



ST. JOHN'S UNIVERSITY

GRADUATE BULLETIN

2022-2024

St. John's University Graduate Bulletin

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Forty-Third Series, Number 1

This is your official guide to academic policies and regulations at St. John's University. Students are required to familiarize themselves with this bulletin. Primary responsibility for knowing and fulfilling all requirements rests on every individual student. The bulletin in effect at the time of admission or readmission governs degree requirements.

The University administration reserves the right (1) to change or modify its schedule of tuition and fees and (2) to withdraw, cancel, reschedule or modify any course, program of study, or degree, or any requirement in connection with any of the foregoing.

Consistent with its mission as a Catholic, Vincentian and Metropolitan institution of higher education, St. John's University complies with all applicable federal, state, and local laws, and prohibits discrimination on the basis of race, color, national origin, religion, disability, age, gender, gender identity, sex (including sexual harassment and sexual violence), sexual orientation, actual or potential parental, family, or marital status, pregnancy and related conditions, alienage, citizenship status, status as a victim of domestic violence, genetic predisposition or carrier status, status in the Uniformed Services of the United States (including veteran status), or any other characteristic protected by applicable law. The University also complies with Title IX of the Education Amendments of 1972. The University's non-discrimination policies and practices extend to employment opportunities, admission of students to its programs, and to the administration of its educational policies, scholarships, and loan programs, athletics, and other institutionally administered programs and activities.

Danielle Haynes, Director of Equal Opportunity and Compliance, is the University's Title IX Coordinator. Ms. Haynes's office is in the Office of Human Resources, University Center, Queens Campus. Ms. Haynes can be contacted at (718) 990-2660 or haynesd1@stjohns.edu. Jackie Lochrie, Senior Associate Dean of Student Services, is a Deputy Title IX Coordinator. Ms. Lochrie's Office is located in The Peter J. Tobin College of Business, Garden Level-Judiciary Suite-17C, Queens Campus. Ms. Lochrie can be contacted at (718) 990-6568 or lochriej@stjohns.edu. Kathleen F. Meehan, Senior Deputy Athletic Director, is a Deputy Title IX Coordinator. Ms. Meehan's Office is located in Lou Carnesecca Arena, Room 157, Queens Campus. Ms. Meehan can be contacted at (718) 990-6173 or meehank@stjohns.edu.

Inquiries concerning the application of anti-discrimination laws may be referred to the Title IX coordinators or to the assistant secretary of the United States Department of Education, Office for Civil Rights. For further information on the notice of non-discrimination, visit: <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the U.S. Department of Education office that serves your area, or call 1-800-421-3481.

Other bulletins and brochures of St. John's University and up-to-date academic information may be obtained by contacting:

Office of Admission

St. John's University
8000 Utopia Parkway
Queens, NY 11439
1-888-9STJOHNS
www.stjohns.edu

St. John's University
300 Howard Avenue
Staten Island, NY 10301
718-390-4500

St. John's University
101 Astor Place
New York, NY 10007
1-888-9STJOHNS
1-888-9STJOHNS

As of August 2022, the University is no longer admitting students to the Staten Island campus due to a proposed substantive change pending approval by the Middle States Commission on Higher Education. For more information, please visit www.stjohns.edu/SITeachOut.

To learn which of the University's campuses offer specific programs, please consult your Academic Dean.

USE OF THE NAME OF ST. JOHN'S UNIVERSITY

Students of St. John's University, either individually or collectively, shall not, without the written consent of the proper authorities, use the name of St. John's University or any of its units in any activity of whatsoever kind outside of the regular work of the school. Violation of this rule is regarded as sufficient cause for dismissal.



ST. JOHN'S UNIVERSITY

2022–2024 GRADUATE BULLETIN

St. John's College of Liberal Arts and Sciences

The School of Education

The Peter J. Tobin College of Business

College of Pharmacy and Health Sciences

The Lesley H. and William L. Collins
College of Professional Studies

8000 Utopia Parkway
Queens, NY 11439
(718) 990-2000

300 Howard Avenue
Staten Island, NY 10301
(718) 390-4500

101 Astor Place
New York, NY 10007
(718) 990-2000

Via Marcantonio Colonna, 21
Rome, Italy
00192
011 39 (06) 393-842

www.stjohns.edu

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Please note: The *Graduate Bulletin* also can be found at our website www.stjohns.edu/bulletin

Academic Calendar

Academic Calendar 2022–2024

Summer 2022

May

- 9 **Monday:**
The School of Education
DAIL final date to apply for doctoral comprehensive examinations for Summer 2022.

June

- 2 **Thursday:**
The School of Education
DAIL doctoral comprehensive examinations – to be administered.
- 16 **Thursday:**
The School of Education
DAIL doctoral comprehensive examinations – to be submitted.

July

- 5 **Tuesday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Readers' copies of doctoral dissertations and master's theses for degrees in September 2022 to be submitted to the department chair by this date.
- 29 **Friday:**
The School of Education
Last day for dissertation defense to be eligible for September graduation.

August

- 10 **Wednesday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final dissertation defense deadline for all candidates for doctoral degrees in September 2022.
- 12 **Friday:**
The School of Education
Last day to upload to ProQuest.
- 30 **Tuesday:**
The School of Education
Last day to be approved by the library for September graduation.

Fall 2022

August

- 31 **Wednesday:**
Fall Semester Begins.

September

- 5 **Monday:**
Labor Day University Closed- No Classes.
- 7 **Tuesday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Dissertation and thesis copies due in Dean's Office for review for September 2022 degree conferral.
- 9 **Friday:**
College of Pharmacy and Health Sciences
Last Day to apply for master's and doctoral comprehensive examinations.
- 14 **Wednesday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final revisions of dissertations and theses for September 2022 degree conferral to be submitted by this date.
- 14 **Wednesday:**
The Lesley H. and William L. Collins College of Professional Studies
Last date to apply for fall master's and doctoral comprehensive examinations.
- 16 **Friday:**
Last day to submit Diploma Application (via UIS) for September 2022 degree conferral.
- 30 **Friday:**
September degree conferral.

October

- Web registration begins. Schedule to be announced. Consult the Web.
- 10 **Monday:**
Fall Break University Closed- No Classes.
- 11 **Tuesday:**
Monday Classes Meet.
- 11 **Monday:**
The School of Education
DAIL final date to apply for doctoral comprehensive examinations for Fall 2022.
- 14 **Friday:**
Last day to submit coursework for Spring and Summer 2022 incomplete grades.

- 17 **Monday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Readers' copies of doctoral dissertations and master's theses for degrees in January 2023 to be submitted to the department chair by this date.
- 31 **Monday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final dissertation defense deadline for all candidates for doctoral degrees in January 2023.

November

- 4 **Friday:**
The School of Education
DAIL doctoral comprehensive examinations – to be administered.
- 9 **Wednesday:**
College of Pharmacy and Health Sciences
Doctoral and master's comprehensive examinations.
- 10 **Thursday:**
The School of Education
Last day for dissertation defense to be eligible for January graduation.
- 10 **Thursday:**
The School of Education
Department of Education specialties comprehensive exam is distributed.
- 11 **Friday:**
Veteran's Day University Closed- No Classes.
- 16 **Wednesday:**
College of Pharmacy and Health Sciences
Final date for oral defense of dissertation by doctoral/master's candidates for January 2023 degree conferral.
- 18 **Friday:**
The School of Education
DAIL doctoral comprehensive examinations – to be submitted.
- 18 **Friday:**
The Lesley H. and William L. Collins College of Professional Studies
Last day to submit approved theses and dissertations to the CCPS Dean's Office for January graduation. Theses and dissertations must meet SJU Library and EDT/Proquest and publication requirements prior to degree conferral.

*Doctoral Cohort programs may be subject to alternative dates.

**Calendar is subject to change. Please consult the Web regularly at www.stjohns.edu/services/registrar/calendar.

For information on school closings, check www.stjohns.edu/closings.

- 21 **Monday:**
Graduate Division of St. John's
College of Liberal Arts and Sciences
Dissertation and thesis copies due in
Dean's Office for review for January
2023 degree conferral.
- 23 **Wednesday:**
Thanksgiving Recess- No Classes.
- 24-26 **Thursday-Saturday:**
Thanksgiving Recess- University Closed-
No Classes.
- 30 **Wednesday:**
The School of Education
Last day to upload to ProQuest.

December

- 7 **Wednesday:**
Friday Classes Meet.
- 8 **Thursday:**
Snow/ Study Day- No Classes.
- 9 **Friday:**
Snow/ Study Day- No Classes.
- 12 **Monday:**
College of Pharmacy and Health
Sciences
Final approved doctoral dissertations
must be submitted to ProQuest ETD for
January 2023 conferral eligibility.
- 12 **Monday:**
The School of Education
Last day to be approved by the library for
January graduation.
- 12 **Monday:**
Graduate Division of St. John's
College of Liberal Arts and Sciences
Final revisions of dissertations and theses
for January 2023 degree conferral to be
submitted by this date.
- 12-17 **Monday-Saturday:**
Final Examination Assessment Week.

Spring 2023

January

- 6 **Friday:**
Last day to submit a diploma application
(via UIS) for January 2023 degree
conferral.
- 16 **Monday:**
Martin Luther King, Jr. Day – University
Closed - No Classes.

- 18 **Wednesday:**
Spring Semester Begins.
- 25 **Wednesday:**
College of Pharmacy and Health
Sciences
Last Day to apply for Spring master's and
doctoral comprehensive examinations.
- 25 **Wednesday:**
The Lesley H. and William L. Collins
College of Professional Studies
Last date to apply for Spring
master's and doctoral comprehensive
examinations.
- 31 **Tuesday:**
January degree conferral date.

February

- 20 **Monday:**
Presidents' Day- University Closed- No
Classes.
- 27 **Monday-Saturday:**
Spring Break- No Classes.

March

Web registration begins. Schedule to be
announced. Consult the web.

- 8 **Wednesday:**
College of Pharmacy and Health
Sciences
Doctoral and master's comprehensive
examination.
- 13 **Monday:**
The School of Education
DAIL final date to apply for doctoral
comprehensive examinations for Spring
2023.
- 13 **Monday:**
Last day to submit coursework for Fall
2022 incomplete grades.
- 15 **Wednesday:**
Graduate Division of St. John's
College of Liberal Arts and Sciences
Readers' copies of doctoral dissertations
and master's theses for degrees in May
2023 to be submitted to the department
chair by this date.
- 24 **Friday:**
The School of Education
Department of Education Specialties –
comprehensive exam is distributed.

- 31 **Friday:**
The School of Education
Last day for dissertation defense to be
eligible for May graduation.
- 31 **Friday:**
Graduate Division of St. John's
College of Liberal Arts and Sciences
Final dissertation defense deadline for all
candidates for doctoral degrees in May
2023.

April

- 6-10 **Thursday-Monday:**
Easter Recess- University Closed-
No Classes.
- 7 **Friday:**
The School of Education
DAIL doctoral comprehensive
examinations – to be administered.
- 12 **Wednesday:**
Monday Classes Meet.
- 14 **Friday:**
College of Pharmacy and Health
Sciences
Final date for oral defense of dissertation
by Doctoral/Master's Candidates for May
2023 degree conferral eligibility.
- 14 **Friday:**
The School of Education
Last day to upload to ProQuest.
- 21 **Friday:**
The School of Education
DAIL doctoral comprehensive
examinations – to be submitted.
- 21 **Friday:**
Graduate Division of St. John's
College of Liberal Arts and Sciences
Dissertation and thesis copies due in
Dean's Office for review for May 2023
degree conferral.
- 21 **Friday:**
The Lesley H. and William L. Collins
College of Professional Studies
Last day to submit approved theses and
dissertations to the CCPS Dean's Office
for May graduation. Theses and
dissertations must meet SJU Library and
EDT/Proquest and publication
requirements prior to degree conferral.
- 24 **Monday:**
The School of Education
DAIL final date to apply for doctoral
comprehensive examinations for Summer
2023.

*Doctoral Cohort programs may be subject to alternative dates.

28 **Friday:**
College of Pharmacy and Health Sciences
Final approved doctoral dissertations must be submitted to ProQuest ETD for May 2023 conferral eligibility.

May

2 **Tuesday:**
Snow/ Study Day- No Classes.

3 **Wednesday:**
Snow/ Study Day- No Classes.

4-10 **Thursday – Wednesday:**
Final Examination Week.

5 **Friday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final revisions of dissertations and theses for May 2023 degree conferral to be submitted by this date.

10 **Wednesday:**
Last day to submit a diploma application (via UIS) for May 2023 degree conferral.

18 **Thursday:**
The School of Education
DAIL doctoral comprehensive examinations – to be administered.

TBA **Sunday:**
Queens and Staten Island campus Undergraduate Commencement.

Summer 2023

June

TBA **Sunday:**
Rome campus Commencement.

1 **Thursday:**
The School of Education
DAIL doctoral comprehensive examinations – to be submitted.

July

6 **Thursday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Readers' copies of doctoral dissertations and master's theses for degrees in September 2023 to be submitted to the department chair by this date.

28 **Friday:**
The School of Education
Last day for dissertation defense to be eligible for September graduation.

August

10 **Thursday:**
College of Pharmacy and Health Sciences
Final date for oral defense of dissertation by doctoral/master's candidates for September 2023 degree conferral eligibility.

10 **Thursday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final dissertation defense deadline for all candidates for doctoral degrees in September 2023.

11 **Friday:**
The School of Education
Last day to upload to ProQuest.

18 **Friday:**
The Lesley H. and William L. Collins College of Professional Studies
Last day to submit approved theses and dissertations to the CCPS Dean's Office for September graduation. Theses and dissertations must meet SJU Library and EDT/Proquest and publication requirements prior to degree conferral.

29 **Tuesday:**
The School of Education
Last day to be approved by the library for graduation.

29 **Tuesday:**
College of Pharmacy and Health Sciences
Final approved doctoral dissertations must be submitted to ProQuest ETD for September 2023 conferral eligibility.

Fall 2023

August

30 **Wednesday:**
Fall Semester Begins.

September

2 **Saturday:**
No Classes.

4 **Monday:**
Labor Day – University Closed- No Classes.

6 **Wednesday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Dissertation and thesis copies due in Dean's Office for review for September 2023 degree conferral.

11 **Monday:**
Last day to submit a diploma application online (via UIS) for September 2023 conferral.

13 **Wednesday:**
College of Pharmacy and Health Sciences
Last Day to apply for master's and doctoral comprehensive examinations.

13 **Wednesday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final revisions of dissertations and theses for September 2023 degree conferral to be submitted by this date.

13 **Wednesday:**
The Lesley H. and William L. Collins College of Professional Studies
Last date to apply for fall master's and doctoral comprehensive examinations.

29 **Friday:**
September degree conferral date.

October

Web Registration begins. Schedule to be announced. Consult the Web.

9 **Monday:**
Fall Mini Break- University Closed- No Classes.

9 **Monday:**
The School of Education
DAIL final date to apply for doctoral comprehensive examinations for Fall 2023.

10 **Tuesday:**
Monday Classes Meet.

16 **Monday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Readers' copies of doctoral dissertations and master's theses for degrees in January 2024 to be submitted to the department chair by this date.

16 **Monday:**
Last day to submit coursework for Spring and Summer 2023 incomplete grades.

31 **Tuesday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final dissertation defense deadline for all candidates for doctoral degrees in January 2024.

*Doctoral Cohort programs may be subject to alternative dates.

**Calendar is subject to change. Please consult the Web regularly at stjohns.edu/services/registrar/calendar. For information on school closings, check stjohns.edu/closings.

November

- 3 **Friday:**
The School of Education
DAIL doctoral comprehensive examinations – to be administered.
- 8 **Wednesday:**
Friday Classes Meet.
- 8 **Wednesday:**
College of Pharmacy and Health Sciences
Doctoral and master's comprehensive examination.
- 9 **Thursday:**
The School of Education
Department of Education Specialties – doctoral comprehensive examinations distributed.
- 10 **Friday:**
Veterans Day Observed- University Closed-No Classes.
- 11 **Saturday:**
Veterans Day- University Closed- No Classes.
- 15 **Wednesday:**
College of Pharmacy and Health Sciences
Final date for oral defense of dissertation by doctoral/masters candidates for January 2024 degree conferral.
- 17 **Friday:**
The Lesley H. and William L. Collins College of Professional Studies
Last day to submit approved theses and dissertations to the CCPS Dean's Office for May graduation. Theses and dissertations must meet SJU Library and EDT/Proquest and publication requirements prior to degree conferral.
- 17 **Friday:**
The School of Education
Last day for dissertation defense to be eligible for January graduation.
- 17 **Friday:**
The School of Education
DAIL doctoral comprehensive examinations – to be submitted.
- 20 **Monday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Dissertation and thesis copies due in Dean's Office for review for January 2024 degree conferral.

- 22 **Wednesday:**
Thanksgiving Recess- No Classes.
- 23-25 **Thursday-Saturday:**
Thanksgiving Recess-University Closed- No Classes.
- 30 **Thursday:**
The School of Education
Last day to upload to ProQuest.

December

- 7 **Thursday:**
Snow/Study Day- No Classes.
- 8 **Friday:**
Snow/Study Day- No Classes.
- 9 **Saturday:**
Saturday Classes Held.
- 11 **Monday:**
College of Pharmacy and Health Sciences
Final approved doctoral dissertations must be submitted to ProQuest ETD for January 2024 conferral eligibility.
- 11 **Monday:**
The School of Education
Last day to be approved by the library for January graduation.
- 11 **Monday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Final revisions of dissertations and theses for January 2024 degree conferral to be submitted by this date.
- 11-16 **Monday-Saturday:**
Final Examination/Assessment Week.
- *This calendar is short one Saturday. Class time will be added to each session to make up the minutes needed for each course.

Spring 2024

January

- 8 **Monday:**
Last day to submit a diploma application online (via UIS) for January 2024 conferral.
- 15 **Monday:**
Martin Luther King, Jr. Day – University Closed- No Classes.
- 17 **Wednesday:**
Spring Semester Begins.

- 24 **Wednesday:**
College of Pharmacy and Health Sciences
Last Day to apply for spring master's and doctoral comprehensive examinations.
- 24 **Wednesday:**
The Lesley H. and William L. Collins College of Professional Studies
Last date to apply for spring master's and doctoral comprehensive examinations.
- 31 **Wednesday:**
January degree conferral date.

February

- 19 **Monday:**
Presidents' Day –University Closed- No Classes.
- 26- **March 2 Monday-Saturday:**
Spring Break- No Classes.

March

Web registration begins. Schedule to be announced. Consult the web.

- 6 **Wednesday:**
College of Pharmacy and Health Sciences
Doctoral and master's comprehensive examination.
- 11 **Monday:**
The School of Education
DAIL final date to apply for doctoral comprehensive examinations for Spring 2024.
- 15 **Friday:**
Graduate Division of St. John's College of Liberal Arts and Sciences
Readers' copies of doctoral dissertations and master's theses for degrees in May 2024 to be submitted to the department chair by this date.
- 15 **Friday:**
Last day to submit coursework for Fall 2023 incomplete grades.
- 22 **Friday:**
The School of Education
Department of Education Specialties – doctoral comprehensive examinations distributed.
- 27 **Wednesday:**
The School of Education
Last day for dissertation defense to be eligible for May graduation.

*Doctoral Cohort programs may be subject to alternative dates.

**Calendar is subject to change. Please consult the Web regularly at stjohns.edu/services/registrar/calendar. For information on school closings, check stjohns.edu/closings.

28-April 1 Thursday-Monday:
Easter Recess- University Closed- No
Classes.

April

- 1 **Monday:**
**Graduate Division of St. John's College
of Liberal Arts and Sciences**
Final dissertation defense deadline for all
candidates for doctoral degrees in May
2024.
- 3 **Wednesday:**
Monday Classes Meet.
- 5 **Friday:**
The School of Education
DAIL doctoral comprehensive
examinations – to be administered.
- 12 **Friday:**
**College of Pharmacy and Health
Sciences**
Final date for oral defense of dissertation
by Doctoral/Master's Candidates for May
2024 degree conferral eligibility.
- 12 **Friday:**
The School of Education
Last day to upload to ProQuest.
- 19 **Friday:**
The School of Education
DAIL doctoral comprehensive
examinations – to be submitted.
- 19 **Friday:**
**Graduate Division of St. John's College
of Liberal Arts and Sciences**
Dissertation and thesis copies due in
Dean's Office for review for May 2024
degree conferral.
- 19 **Friday:**
**The Lesley H. and William L. Collins
College of Professional Studies**
Last day to submit approved theses
and dissertations to the CCPS Dean's
Office for January graduation. Theses
and dissertations must meet SJU Library
and EDT/Proquest and publication
requirements prior to degree conferral.
- 26 **Friday:**
**College of Pharmacy and Health
Sciences**
Final approved doctoral dissertations must
be submitted to ProQuest ETD for May
2024 conferral eligibility.
- 26 **Friday:**
The School of Education
Last day to be approved by the library for
May graduation.

30 **Tuesday:**
Snow/Study Day- No Classes.

May

- 1 **Wednesday:**
Snow/Study Day- No Classes.
- 2-8 **Thursday-Wednesday:**
Final Examination/Assessment Week.
- 3 **Friday:**
Last day to submit a diploma application
online (via UIS) for May 2024 conferral.
- 6 **Monday:**
**Graduate Division of St. John's College
of Liberal Arts and Sciences**
Final revisions of dissertations and theses
for May 2024 degree conferral to be
submitted by this date.
- TBA **Sunday:**
**Queens & Staten
Island campus Undergraduate
Commencement.**

Summer 2024

June

TBA **Sunday:**
Rome campus Commencement.

August

- 8 **Thursday:**
**College of Pharmacy and Health
Sciences**
Final date for oral defense of dissertation
by doctoral/master's candidates for
September 2024 degree conferral
eligibility.
- 23 **Friday:**
**College of Pharmacy and Health
Sciences**
Final approved doctoral dissertations
must be submitted to ProQuest ETD for
September 2024 conferral eligibility.

General Information

Applications for admission to graduate degree programs are accepted throughout the academic year. It is highly recommended that both the application and all supporting credentials be submitted to the Office of Graduate Admission three months prior to the semester in which the student wishes to begin a program of study. Specific program deadlines can be found online at www.stjohns.edu under the Deadlines & Notifications section of the Graduate Admission webpage.

International Students

International students applying for Graduate Admission are subject to the application deadlines noted on the Deadlines & Notifications page of the Graduate Admission website. Otherwise, international students are strongly encouraged to apply by the following suggested dates:

May 1 (Fall)
November 1 (Spring)

Admission to a Degree Program

Admission to a degree program is contingent upon an assessment of the candidate's ability to successfully pursue graduate study.

Ability is demonstrated by previous academic performance, satisfactory achievement on appropriate standardized tests, letters of recommendation and other factors that suggest academic potential and motivation.

Specifically, degree candidates must provide the following for admission consideration:

1. Evidence of a baccalaureate degree from an accredited college or university including *official* transcripts from each institution attended.
2. Letters of recommendation (requirements vary according to program; please refer to appropriate program information in other sections of this bulletin) from instructors in the proposed area of specialization or other qualified individuals as designated by the school, division or program to which the candidate is applying.
3. Official results of performance on standardized tests as appropriate to the requirements of the particular school, division or program.
4. Evidence that conditions or requirements specific to the school, division or program of interest have been met.

The Office of Graduate Admission and International Admission will make every effort to notify students of the status of their

application. Ultimately, however, it is the student's responsibility to make sure that all supporting credentials are received by the application deadline.

A non-refundable application fee of \$70 must accompany the application for admission. Applications to select programs may require an additional fee.

Completed applications and supporting credentials should be forwarded to the University as follows, noting the College to which the applicant is applying:

**Office of Graduate Admission
8000 Utopia Pkwy
Queens, NY 11439**

Admission to a degree program does not guarantee advancement to degree candidacy. Additional requirements must first be met before the student may be considered a degree candidate (see "Degree Requirements"). In special cases, the dean of the college may waive an admission requirement if it is deemed warranted.

Applicants whose transcripts are from international universities must submit an evaluation from a NACES (naces.org) accredited evaluation source.

The Office of Graduate Admission reserves the right to request additional documentation and to waive certain requirements as part of the admission process.

International Student Admission

Applicants whose native language is not English and who have not attended a postsecondary institution in which English is the language of instruction must take the (1) TOEFL (Test of English as a Foreign Language) or (2) IELTS (International English Language Testing System) or (3) Duolingo to demonstrate English language proficiency. Certain programs may require TOEFL or IELTS scores to demonstrate English language proficiency. English as a Second Language: International applicants may be asked to take a University sponsored English placement examination prior to the start of their academic studies at St. John's. Students will be informed of this test in the decision letter. Students requiring additional English language support may be considered for the University's full-time English Language Institute (ELI) or English as a Second Language (ESL) classes.

All students living outside the United States who require a student visa are strongly encouraged to provide completed applications (including all supporting materials) by May 1 for the fall semester and November 1 for the spring semester. However, applicants must first adhere to any specific deadlines for their intended program of study.

Applicants must present a formal application, official school records issued by their college/university and results of an approved English language proficiency examinations. All documents in languages other than English must be accompanied by certified English translations. Upon acceptance to the University, all F1 and J1 students must provide documentation to the International Student and Scholar Services Office (ISSSO) so that an I-20 or DS-2019 can be issued for the student to apply for a visa. ISSSO can be contacted at 718-990-6083, fax 718-990-2070.

The University reserves the right to request additional documentation and to waive certain requirements as part of the admission process.

General Graduate Information

Questions concerning admission procedures or graduate programs offered by the University should be directed to the Office of Graduate Admission, 718-990-1601, fax 718-990-2346, or you may email gradhelp@stjohns.edu.

Transfer Student Admission

Students may seek admission to one of the graduate programs at the University after having successfully completed some graduate coursework at another accredited institution. The student must present the catalog description(s) of the graduate course(s) for which transfer credit or advanced standing is requested and complete a Transfer of Credit form (where applicable), which is available from the office of the appropriate academic dean. No credit will be allowed for courses beyond the stipulated time limit or in which the grade attained is below "B" (3.0). Only after the academic Dean evaluates all documentation may requests for transfer of credit or advanced standing be approved. Transferred or advanced standing grades will not affect the cumulative quality point index.

Transfer Credit

A student may request that credit for previously completed coursework be transferred to the St. John's University program of study, provided that it has not been applied toward the fulfillment of requirements for another degree. The number of transfer credits permitted is contingent upon assessment of the previously earned credit in accordance with department/division and school/college regulations.

A matriculated student may wish to take a course at an accredited institution and transfer the credit toward the St. John's degree program. The student must present the catalog description of the course and a

permission form to his/her department/division chair. Upon the recommendation of the chair and the approval of the academic dean, the student may register for the course. Upon completion of the course, the student must submit an official transcript to the Office of the Registrar.

Advanced Standing

Students enrolled in advanced certificate and doctoral programs may request advanced standing for coursework completed in fulfillment of a previously earned graduate degree.

The number of advanced standing credits permitted is contingent upon assessment of the previously earned credit in accordance with department/division and school/college regulations. All doctoral students in The School of Education are required to take a minimum of 45 credits at St. John's University.

Please refer to the College Section of this bulletin for further information.

Accident and Sickness Insurance

The University makes available health insurance to all students through University Health Plans. This insurance allows students to be covered for illness and accidents. The University requires all international students holding F1 and J1 visas and all resident students to have adequate health insurance coverage.

F1 and J1 Students: All F1 and J1 students will be automatically provided with and charged for health insurance each semester. The mandatory charge for the insurance will be added to the semester invoice, which is due and payable with the tuition and fee charges.

Resident students: Resident students who have not waived the University-provided insurance will be automatically provided with and charged for this health insurance. The charge for this insurance will be added to the semester invoice, which is due and payable with the tuition and fee charges. To waive the insurance coverage, resident students are required to submit their insurance information online at universityhealthplans.com.

Commuter Students: Insurance is also available to our commuter full-time and part-time graduate population and can be purchased at universityhealthplans.com.

Please direct any questions to the Office of Student Financial Services at 718-990-2000 (Queens campus); or University Health Plans at 1-800-437-6448.

Health Insurance Rates 2022-2023

- 1) Resident Students \$3,508 per year
- 2) New Spring 2023 Resident Students \$2,184 for the semester
- 3) F1/J1 Fall 2022 Students \$1,754 for the semester
- 4) F1/J1 Spring 2023 Continuing Students \$1,187.50 for the semester
- 5) New F1/J1 Spring 2023 \$2,184 for the semester

Expenses

All fees and the entire tuition as well as room and/or board charges for each semester are due and payable in full before registration can be completed. All payments must be made by check or money order payable to St. John's University or by credit card. MasterCard, VISA and Discover are currently accepted by the Office of Student Financial Services.

Students holding full-tuition scholarships are required to pay the General Fee and any other fees required for the course(s) they are taking.

Students whose accounts are in arrears will not be permitted to register for a subsequent semester or receive grades. All past due balances are charged interest at the rate of one percent per month. Delinquent accounts may be referred to a third party for collection, which will result in the addition of collection costs to the account balance.

The University reserves the right to change the schedule of tuition and fees when necessary, but every effort is made to maintain them at the lowest possible level.

For the most up-to-date information, check the online version of this bulletin at www.stjohns.edu/bulletin.

2022-2023 Tuition*

Graduate Cost	per credit
Collins College of Professional Studies	\$1,400
The School of Education	\$1,400
The Peter J. Tobin College of Business	\$1,415
St. John's College	
Grad Arts & Sciences	\$1,400
School Psychology	\$1,490
Library Science	\$1,490
Speech-Language Pathology	\$1,490
Audiology	\$1,595
Ph.D. Clinical Psychology	\$1,675
College of Pharmacy and Health Sciences	\$1,610
Public Health	\$1,400
Institute for Biotechnology	\$1,485
Physician Assistant	\$1,610

* Check for regular tuition updates online at www.stjohns.edu.

Fees

General Fee per semester (non-refundable)	\$170
Particular Fees (non-refundable)	
Application fee	\$70
Late registration/payment	\$200
Maintaining matriculation, per semester	\$100
Microfilming of doctoral dissertation and abstract	\$100
Payment Plan Enrollment Fees Between and	\$75 \$250
Examination Fees (non-refundable)	
Comprehensive examination for master's degree	\$100
Qualifying examination for doctoral degree	\$40
Comprehensive examination for doctoral degree, reading of dissertation and oral examination	\$200
Make-up examinations	\$80
Special Assessment	\$50
Dissertation Copy Editing fee	\$150

Laboratory Fees

Individual courses may carry a laboratory fee. Please refer to the online course description for fee information.

Laboratory fees are non-refundable. Additional charges will be made for breakage and losses.

Room and Board

Queens-Residence Village

Academic Year 2022-2023

Single Room	\$6,530 per semester
Standard Double Room	\$5,875 per semester

PLEASE NOTE:

At the time of printing doubles and singles are the only rooms available for 2022-2023 academic year

Meal Plan

Board (Meal) Plan	
Freshman Meal Plan	\$3,520 per semester
Residence Village	
Meal Plan	\$3,470 per semester
Apartment Meal Plan	\$2,460 per semester

Queens Off-Campus (Seton Complex, and Henley)

Academic Year 2022-2023

Single Room	\$7,970 per semester
Double Room	\$6,540 per semester

Queens Off-campus (DePaul)

Academic Year 2022-2023

Single Room	\$7,980 per semester
Deluxe Single Room	\$8,035 per semester
Private Single Room	\$8,135 per semester
Double Room	\$6,540 per semester
Deluxe Double Room	\$6,590 per semester
Private Double Room	\$6,695 per semester

Queens Off-campus (Goethals)

Academic Year 2022–2023

Single Room	\$7,865 per semester
Double Room	\$6,360 per semester

Queens Town Home

Academic Year 2022–2023

Town Home Single Rooms	\$7,130 per person
Town Home Double Rooms	\$6,730 per person

Room and Board Withdrawals

Withdrawal from campus housing could affect your cost of attendance for financial aid purposes. Please contact the Office of Student Financial Services for details.

The withdrawal schedule for Room and Board credits may be found at www.stjohns.edu/admission-aid/tuition-and-financial-aid/tuition/withdrawals-and-refunds.

Withdrawal from Courses and Tuition Credits and Refunds

A student who wishes to withdraw from a course must complete a Change of Program form and have it signed by the appropriate departmental chair and academic dean. The date of withdrawal will be the date of the student's written request as attested by his or her dean.

Withdrawal from courses may entitle the student to a credit for tuition. The credit policy refers only to tuition. Fees are not refundable. Students should allow at least three weeks from the date of filing a Change of Program with the dean for refund claims to be approved and processed, and for checks to be mailed.

Students will not be entitled to any portion of a refund until all federal Title IV programs are credited and all outstanding charges have been paid.

Students are considered in attendance until they officially withdraw from the University or are requested to do so by a dean.

Students who leave school voluntarily or drop a course must do so through the proper channels, or otherwise risk assuming full tuition charges.

Please also see page 12 "Officially Notifying the University of a Withdrawal from Class" and "Withdrawing from Class."

The withdrawal schedule for tuition credits may be found at www.stjohns.edu/admission-aid/tuition-and-financial-aid/tuition/withdrawals-and-refunds.

Academic Information and Regulations

Program Requirements

In addition to the regulations in this section, each student is responsible for becoming familiar with the requirements specific to the college/school, department/division and academic program of study in which they enrolled. For further details, consult the appropriate section of this bulletin.

Academic Units and Programs

Approved Programs of Study

Students may only enroll in programs of study officially registered with the New York State Education Department or otherwise officially approved. Enrollment in non-registered or unapproved programs of study may jeopardize eligibility for certain student aid awards.

Most graduate courses at St. John's are conveniently scheduled for late afternoons, evenings and Saturday mornings. The following is a listing of all approved graduate programs at St. John's University. To learn which of the University's campuses offer specific programs, please consult your academic dean.

As of August 2022, the University is no longer admitting students to the Staten Island campus due to a proposed substantive change pending approval by the Middle States Commission on Higher Education. For more information, please visit www.stjohns.edu/SITeachOut.

St. John's College of Liberal Arts and Sciences

Major Name HEGIS Code Credentials

Applied Mathematics, Computing & Machine Learning	1703.00	M.A.
Audiology	1220	Au.D.
Biological and Pharmaceutical Biotechnology	0499	M.S.
Biology	0401/0401	B.S./M.S.
Biology	0401	M.S.
Biology*	0401	M.Phil.
Biology	0401	Ph.D.
Chemistry	1905/1905	B.S./M.S.
Chemistry	1905	M.S.
Chinese Studies	0399	M.A.
Clinical Psychology	2003	M.A.
Clinical Psychology*	2003	M.Phil.
Clinical Psychology	2003	Ph.D.
Communication Arts/International Communication	0601/0699	B.S./M.S.
Communication Arts/Government and Politics	0601/2207	B.S./M.A.
Communication Arts/Sociology	0601/2208	B.S./M.A.
Computational Biology & Biostatistics	0420.00	M.S.

Computer Science/Library and Information Science	0701/1601	B.S./M.S.
Criminal Justice/Government and Politics	2105/2207	B.S./M.A.
Criminal Justice/Sociology	2105/2208	B.S./M.A.
Criminology and Justice	2209	M.A.
East Asian Studies	0302/0302	B.A./M.A.
East Asian Studies	0302	M.A.
English	1501/1501	B.A./M.A.
English	1501	M.A.
English	1501	Ph.D.
Environmental OMICS	0402.00	M.S.
Environmental Sustainability & Decision Making	0402.00	M.A.
French/Library and Information Science	1102/1601	B.A./M.S.
Global Development and Social Justice	4903	M.A.
Government and Politics	2207 /2207	B.A./M.A.
Government and Politics	2207	M.A.
Government and Politics/Law	2207/1401	M.A./J.D.
Government and Politics/Library and Information Science	2207/1601	M.A./M.S.
History	2205/2205	B.A./M.A.
History	2205	M.A.
International Law and Diplomacy	2210	Adv. Cert.
Information Technology/Library and Information Science	0702/1601	B.S./M.S.
Italian/Library and Information Science	1104/1601	B.A./M.S.
Journalism/Government and Politics	0602/2207	B.S./M.A.
Journalism/Sociology	0602/2208	B.S./M.A.
Latin American and Caribbean Studies	0308	Adv. Cert.
Legal Studies/Government and Politics	0599/2207	B.S./M.A.
Legal Studies/Sociology	0599/2208	B.S./M.A.
Liberal Studies	4901	M.A.
Library and Information Science	1601	M.S.
Management for Information Professionals	1601	Adv. Cert.
Math	1703	M.A.
Applied and Computational Mathematics		
Museum Administration	1099	M.A.
Neuroscience	0425.00	M.A.

Philosophy, Politics & Economics	4901.00	M.A.
Psychology	2202	M.A.
Psychology/Criminology and Justice	2001/2209	B.A./M.A.
Psychology/ Psychology	2001/2001	B.A./M.A.
Public Administration	2102	Adv. Cert.
Public History	4903	M.A.
Public History/Library and Information Science	4903/1601	M.A./M.S.
School Psychologist**	0826.02	M.S.
School Psychology	0822	Psy.D.
Scientific Literacy & Integrity	4901.00	M.A.
Sociology	2208/2208	B.A./M.A.
Sociology	2208	M.A.
Sociology/Criminology and Justice	2208/2209	B.A./M.A.
Spanish/Spanish	1105/1105	B.A./M.A.
Spanish	1105	M.A.
Spanish/Library and Information Science	1105/1601	B.A./M.S.
Social Justice Information Systems	2501.01	Adv. Cert.
Speech Language Pathology	1220	M.A.
Theology	1510/1510	B.A./M.A.
Theology (Religious Studies)	1510	M.A.
World History	2205	Ph.D.

* *The Master of Philosophy (M. Phil.) is an intermediate degree between other academic Master's degrees and the Doctor of Philosophy (Ph.D.) degree. It is awarded to candidates in some of the University Ph.D. programs for completion of all requirements for the Ph.D. except the dissertation.*

** *Leads to permanent bilingual certification.*

The School of Education

Major Name HEGIS Code Credentials

Administrative Studies	0827	Adv. Cert.
Adolescent Education Career Change	0803	M.S.Ed.
Adolescent Education Career Change NON CERT	0803	M.S.Ed.
Adolescent Education Field Change	0803	M.S.Ed.
Adolescent Education 7-12/Teaching Literacy 5-12	0803/0830	B.S.Ed./M.S.Ed.
Adolescent Education: English 7-12	1501.01	M.S.Ed.

Adolescent Education: Mathematics 7–12 1701.01	M.S.Ed.	Clinically Rich Intensive Teacher Inst. 0899.70	Adv. Cert.	Teaching Literacy B-6 (Non-Cert Option) 0830.00	M.S. Ed.
Adolescent Education: Social Studies 7–12 2201.01	M.S.Ed.	In Bilingual Education (CR-ITI-BE/ ESOL)		Teaching Literacy 5–12 and TESOL PK–12 0830.01	M.S.Ed.
Adolescent Education: Spanish 7–12 1105.01	M.S.Ed.	Early Childhood Education: Career Change 0823	M.S.Ed.	TESOL PK–12 (Teaching English to Speakers of Other Languages) 1508	M.S.Ed.
Adolescent Education Residency Program* 0899.50	M.S.Ed.	Early Childhood Education: Career Change NON CERT 0823	M.S.Ed.	TESOL PK–12: ITI 0899.60	Adv. Cert.
Adolescent Education Residency Teaching Students with Disabilities 7–12 Generalist* 0899.50	M.S.Ed.	Early Childhood Education: Field Change 0823	M.S.Ed.		
Alt. Cert. Trans B. Adolescent Math Special Ed* 0899.50	M.S.Ed.	Early Childhood Education B–2 and Teaching Students with Disabilities B–2 0808	M.S.Ed.		
Alt. Cert. Trans B. Adolescent Math 7–12* 0899.50	M.S.Ed.	Education Administration and Supervision 0827	Ed.D.		
Alt. Cert. Trans B. Teaching Students with Disabilities Generalist* 0899.50	M.S.Ed.	Gifted Education 0811	Adv. Cert.		
Bilingual Education: ITI** 0899.60	Adv. Cert.	Instructional Leadership 0829	Adv. Cert.		
Bilingual Education: CR–ITI** 0899.70	Adv. Cert.	Instructional Leadership 0829	Ed.D.		
Bilingual Extension Childhood and Childhood Special Education (Internship) 0808	Adv. Cert. M.S.Ed.	Literacy 0830 Literacy 5–12 0830 Literacy 5-12 and STD 7-12 Gen'l w/SUBJ EXT 0830.01	Ph.D. M.S.Ed. M.S.Ed.		
Childhood and Childhood Special Education (Internship) NON CERT 0808	M.S.Ed. M.S.Ed.	Literacy B–6 0830 Middle Childhood 5–6: Extension 0802	M.S.Ed. Adv. Cert.		
Childhood Education 0802	M.S.Ed.	Middle Childhood 7–9: Extension 0802	Adv. Cert.		
Childhood Education: Career Change 0802	M.S.Ed.	School Building Leadership 0827	Adv. Cert.		
Childhood Education: Career Change NON CERT 0802	M.S.Ed. M.S.Ed.	School Building Leadership 0828	M.S.Ed.		
Childhood Education: Field Change 0802	M.S.Ed.	School Building Leadership/School District Leadership 0827	Adv. Cert. M.S.Ed.		
Childhood Education 1–6/ Literacy B–6 0802/0830	B.S.Ed./ M.S.Ed.	School Counseling 0826.01 School Counseling 0826.01	Adv. Cert. Adv. Cert.		
Childhood Education 1–6/Teaching Children with Disabilities in Childhood 0802/0808	B.S.Ed./ M.S.Ed.	School District Leadership 0827	Adv. Cert.		
Childhood Education and TESOL PK–12 Career Change 1508	M.S.Ed.	Special Education Childhood and TESOL 0808.00	M.S.Ed.		
Childhood Education and TESOL Career Change NON CERT 1508	M.S.Ed.	Teacher Institute in ESL (CR–ITI) ** 0899.70	Adv. Cert.		
Clinical Mental Health Counseling 2104.10	Adv. Cert.	Teaching Children with Disabilities in Childhood 0808	M.S.Ed.		
Clinical Mental Health Counseling 2104.10	M.S.Ed.	Teaching Children with Disabilities in Childhood 0808	Adv. Cert.		
		Teaching Literacy 5-12 (Non-Cert Option) 0830.00	M.S.Ed.		
		Teaching Literacy B-6 (Non-Cert Option) 0830.00	M.S.Ed.		
		Teaching Literacy 5-12 (Non-Cert Option) 0830.00	M.S.Ed.		

* Admission into these Alternative Certification/
Transitional B (Teaching Fellows) programs
is initiated through the New York City
Department of Education.

** Admission into these Intensive Teacher
Institute (ITI) Certificate Program is
initiated through B.O.C.E.S.

The Peter J. Tobin College of Business

Major Name HEGIS Code Credentials

Accounting	0502	M.S.
Accounting	0502	M.B.A.
Accounting/Business Administration	0502/0506	B.S./M.B.A.
Accounting/ Finance	0502.00/5020.00	B.S./M.S.
Accounting/Law	0502/1401	M.S./J.D.
Accounting (non-CPA)/ Business Administration	0512/0506	B.S./M.B.A.
Accounting with Information Systems	0502	M.S.
Accounting with International Financial Reporting	0502	M.S.
Accounting Risk & Financial Advisory	0502.00/0502.00	B.S./M.S.
Accounting/Taxation	0502/0502.10	M.B.A./M.S.
Actuarial Science	0512.00	M.S.
Anthropology/ Business Administration**	2202/0506	B.A./M.B.A.
Asian Studies/ Accounting**	0301/0502	B.A./M.S.
Asian Studies/ Business Administration**	0301/0506	B.A./M.B.A.
Business Administration	0506	M.B.A.
Business Administration Dual Concentration	0506	M.B.A.
Computer Science/ Accounting*	0701/0502	B.S./M.S.
Business Administration	0506.00	Adv. Cert.
Business Analytics	0503.00	M.S.
Business Analytics	0503.00	Adv. Cert.
Computer Science/Business Administration*	0701/0506	B.S./M.B.A.

Cyber Security Systems/ Accounting*	0799/0502	B.S./M.S.
Cyber Security Systems/Business Administration*	0799/0506	B.S./M.B.A.
Economics/ Accounting	0504/0502	B.S./M.S.
Economics/Business Administration	2204/0506	B.S./M.B.A.
English/Business Administration**	1501/0506	B.A./M.B.A.
Enterprise Risk Management	0512	M.S.
Entrepreneurship & Innovation	0506.00	M.S.
Finance	0504	M.S.
Finance	0505.00	Adv. Cert.
Finance/Accounting	0504/0502	B.S./M.S.
Finance/Business Administration	0504/0506	B.S./M.B.A.
French/Business Administration**	1102/0506	B.A./M.B.A.
Global Management	0506.00	M.S.
History/Business Administration**	2205/0506	B.A./M.B.A.
Investment Management	0505	M.S.
Information Technology/ Accounting*	0702/0502	B.S./M.S.
Information Technology/Business Administration*	0702/0506	B.S./M.B.A.
Internal & Information Technology Audit	0502.00	Adv. Cert.
Italian/Business Administration**	1104/0506	B.A./M.B.A.
Management/ Accounting	0506/0502	B.S./M.S.
Management/ Business Administration	0506/0506	B.S./M.B.A.
Marketing/ Accounting	0509/0502	B.S./M.S.
Marketing/Business Administration	0509/0506	B.S./M.B.A.
Marketing Intelligence	0509.00	Adv. Cert.
Marketing Intelligence	0509	M.S.
Mathematical Physics/ Business Administration**	1902/0506	B.S./M.B.A.
Networking and Telecommunications/ Accounting*	0799/0502	B.S./M.S.
Networking and Telecommunications/ Business Administration*	0799/0506	B.S./M.B.A.
Physics/Business Administration**	1902/0506	B.S./M.B.A.
Psychology/Business Administration**	2001/0506	B.A./M.B.A.
Risk Management and Risk Analytics	0512	M.S.
Risk Management and Insurance/ Accounting	0512/0502	B.S./M.S.

Risk and Financial Advisory	0502	M.S.
Risk Management and Insurance/ Business Administration	0512/0506	B.S./M.B.A.
Risk Management	0512.00	Adv. Cert.
Sociology/Business Administration**	2208/0506	B.A./M.B.A.
Spanish/Business Administration**	1105/0506	B.A./M.B.A.
STEM	0506.00	MBA
Taxation	0502.10	M.S.
Taxation/ Accounting	0502/0502.10	M.B.A./ M.S.

* *The UG portion of these Combined Degrees are offered through the College of Professional Studies.*
 ** *The UG portion of these Combined Degrees are offered through St. John's College of Liberal Arts and Sciences.*

College of Pharmacy and Health Sciences

Major Name HEGIS Code Credentials

Health Sciences	1201.00	M.S.
Pharmacy	1211	Pharm.D.
Pharmacy, Practitioner Option	1211	Pharm.D.
Pharmacy Administration	1211	M.S.
Pharmaceutical Sciences	1211	M.S.
Pharmaceutical Sciences	1211	Ph.D.
Physical Therapy	1212.00	DPT
Physician Assistant	1299	M.S.
Public Health	1214	M.P.H.
Toxicology/Toxicology	0426	B.S./M.S.
Toxicology	0426	M.S.

Collins College of Professional Studies

Major Name HEGIS Code Credentials

Computer Science/ Data Science	0701.00/0702.00	B.S./M.S.
Criminal Justice/ Criminal Justice Leadership and Data Science	0702.00	M.S.
Healthcare Informatics	0799.00	M.S.
Homeland Security	2105/2105	B.S./M.P.S.
Homeland Security	2105.00	D.P.S.
Integrated Advertising Communications	0604	M.S.
International Communication	0699	M.S.

Sport Management	0599	M.P.S.
Cyber and Information Security	0701.00	M.S.
International Hospitality Management	0505.00	M.S.
Multi-Sector Communication	0601.00	Ph.D.

Office of the Registrar

The Office of the Registrar is responsible for the accuracy and integrity of the University's official student records. Our chief responsibilities fall into six broad categories: registration; record-keeping; enrollment verifications and transcripts; course offerings; classroom scheduling; and graduation.

The Office of the Registrar facilitates the University course registration process. The Office announces the exact dates for registration in advance of each registration period. Continuing students register in October/November for the spring semester and in March/April for the summer and/or fall semesters. Students are expected to see their advisor before registering.

Students can access grades online through the University Information System (UIS).

Because the University is continually expanding the services and information it makes available online, students should refer to the University's website (www.stjohns.edu) on a regular basis. For the Office of the Registrar site, visit www.stjohns.edu/academics/office-registrar.

Advisement

Advisement policies vary among the individual schools and students should consult with their respective dean's office to ensure that proper procedures are followed.

Students are responsible for consulting with their advisor to plan their schedule each semester. Registering for a class does not guarantee that it is applicable toward one's degree program. Students who register for classes without their advisors' approval put themselves at financial and academic risk.

Any changes in a student's schedule must be completed before the end of the registration period.

Students will not be permitted to enroll in a course after the late registration period has ended, even if the student has been unofficially attending a class. If a student wishes to withdraw from a course, the appropriate Withdrawal form must be approved by the appropriate academic dean and filed in the Office of the Registrar.

Registration

Once advised, students may register according to the schedule published by the Registrar. This schedule can be found on the Office of the Registrar's website.

Students register for classes using UIS. Registration requires students to enter a Priority Registration Number, which is obtained from their advisor or dean.

Students must pay their tuition and fees in full before registration can be completed. Students having no payment due or a refund due must complete their registration process by confirming registration for the semester via UIS by going to the "View/Confirm Term Bill" section.

E-Bills are sent to students after each registration period. Financial services representatives are available year-round to assist students in satisfying their financial obligation to the University. Registration is not complete until payment is made, and the University reserves the right to drop a student from an individual class or from their entire program if payment is not made by the due date.

Officially Notifying the University of a Withdrawal from Class

When a student registers for a class, the University considers it a clear indication of an intention to attend that class. If a student changes their mind about attending class or if circumstances prevent him/her from attending, they must notify St. John's of the change in status. The manner in which this notification is made depends on when during the semester the withdrawal decision is made.

During the first week of the semester, classes can be added or dropped through UIS. Please note that to drop all classes, the dean must be informed in writing.

Classes dropped through the first three weeks of a semester do not appear on a University transcript.

Withdrawing from Class

Students wishing to withdraw from classes may do so by the last day to withdraw found in the academic calendar. These classes are noted as a withdrawal (WD) on transcripts. This mark does not calculate into Grade Point Averages (GPAs). Please consult the academic calendar for the last day to withdraw from a class.

To withdraw from one or more classes, students must contact their dean's office. It is recommended that students visit the office in person so a discussion can be had regarding this decision. If an in-person meeting is not possible, the request to withdraw from class(es) must be put in writing.

Dropping or withdrawing from a class may result in a full or partial refund of tuition paid for the class. Refunds are based on the date the class was dropped or withdrawn, whether via UIS or through the dean's office.

Students who stop attending a class without withdrawing from it officially will receive the appropriate grade or mark as determined by their attendance, participation, and performance and in accordance with the grading criteria

provided by the instructor. See the "Grading Systems" section for additional information.

Advisement Reports

St. John's makes advisement reports available for Graduate programs via signon.stjohns.edu. Advisement reports match courses that students have taken against degree program requirements. All students should bring an advisement report with them when they see their advisors prior to registration. For additional information, consult the Registrar's web site at www.stjohns.edu/academics/office-registrar/student-advisement-reports

Transcripts and Verifications

There are three ways you can order a transcript of your academic record at St. John's University.

Electronic Transcripts (PDF)

Electronic Transcripts (PDF) are now available. Delivery is within hours of the request being processed. Electronic Transcripts are \$6 per copy, payable by credit card only. St. John's University has partnered with Parchment for electronic transcript delivery. To order an eTranscript log into - <https://www.parchment.com/u/registration/33150/institution>

PDF transcripts are not available for students or alumni who attended prior to 1990 (please see below).

If you need a form or document included with your transcript, please use the electronic transcript request method of delivery. You will be able to upload your fully completed documents to be sent along with your transcript.

Requestors will receive an email confirmation when the transcript is available for the recipient to download and another email when the transcript has been downloaded by the recipient.

PDF document delivery is becoming increasingly common across institutions, organizations, and agencies. However, before requesting PDF transcript delivery, please verify that the recipient will accept an electronic transcript. Additionally, it is important that you verify the correct email address for transmission of the transcript.

Official PDF transcripts are transmitted electronically to the recipient and is intended solely for use by the recipient. The official transcript has been digitally signed and therefore contains special characteristics.

The Blue Ribbon Symbol is assurance that the digital certificate is valid, the document is authentic, and the contents of the transcript have not been altered.

If the transcript does not display a valid certification and signature message an invalid digital certificate display means either the digital signature is not authentic, or the document has been altered. The digital signature can also be revoked by the transcript office if there is cause, and digital signatures can expire. A document with an invalid digital signature display should be rejected.

Lastly, one other possible message, Author Unknown, can have two possible meanings: the certificate is a self-signed certificate or has been issued by an unknown or untrusted certificate authority and therefore has not been trusted, or the revocation check could not complete. If this message is received make sure there is a proper connection to the internet. If there is a connection and the digital signature cannot be validated, reject the document.

Via the Web in UIS

Current students may order transcripts and request enrollment and degree verifications via the web by signing into signon.stjohns.edu and clicking on the UIS icon. Under the Student menu click the Student Records link. From the Student Records menu, select Request Printed/Official Transcript or Request Enrollment or Degree Verification and follow the prompts. Please take special care entering the name and address of the recipient of your transcript. These will print on the transcript exactly as you enter them. These transcripts will be mailed to the recipient via U.S. mail.

If you need a form or document included with your transcript, please use the electronic transcript request method of delivery. You will be able to upload your fully completed documents to be sent along with your transcript.

Recent alumni who continue to have access to UIS may also order transcripts online.

Mail-In Requests

All students and alumni may also order transcripts by mail. Any student who attended St. John's in 1984 or prior should submit a written request to the appropriate campus. Students who attended the College of Insurance should submit a written request to the Queens Campus. Requests should be mailed to one of the following addresses:

Students and alumni of the Queens, Manhattan and Rome Campuses:
St. John's University
Office of Registrar
8000 Utopia Parkway
Queens, NY 11439
Attn: Transcript Desk

Students and alumni of the Staten Island Campus:
St. John's University
Office of the Registrar
300 Howard Avenue
Staten Island, NY 10301
Attn: Transcript Desk

When requesting a transcript by mail, please be sure to provide the following information:

- Full name and any other name used while at St. John's University
- "X-number" - If you don't know this number, give us the last four digits of your Social Security number.
- Dates of attendance
- Division of the University you attended
- Degrees you received

- Address and phone number at which we can reach you
- The name and address of the person to whom you want us to send the transcript
- The purpose for which you are requesting the transcript
- **Please be sure to sign your request.**

Transcript Questions: Undergraduate and Graduate students email transcripts@stjohns.edu.

Veterans and their Dependents

Veterans and their dependents should contact the Department of Veterans Affairs regional office in Buffalo, New York for information about education benefits. The telephone number is 888-442-4551. The Department of Veterans Affairs also maintains a very useful website, which can be found at gibill.va.gov.

The Office of Student Financial Services (SFS) certifies the enrollment of veterans and their dependents for educational benefits.

Graduation

The University confers degrees three times a year: January, May, and September. Students awarded degrees in September and January are invited to attend the May commencement ceremony. The Office of University Events informs degree candidates of which commencement ceremony they are invited to attend. Only those students who complete all degree requirements by the end of the spring semester will be eligible to participate in the spring commencement exercise. For details regarding the Rome campus commencement ceremony, which is held in June, please contact the Office of University Events.

To ensure that a diploma is ordered, the Office of the Registrar requires all pending graduates to complete an online Application for Diploma, which is available through UIS.

Replacement Diplomas

If an original diploma is lost, stolen or destroyed, a replacement diploma can be ordered. To order a replacement diploma, a standard application for diploma must be submitted with a notarized affidavit and two forms of identification, one containing a photograph. Examples of identification include a passport, driver's license, social security card, and work ID. There is a \$50 fee for a replacement diploma. Please call 718-990-2000 for applications and affidavits. Loss, destruction, change of name, and theft are the only reasons for which a diploma will be replaced. We do not issue duplicate diplomas.

Applications for replacement diplomas may be mailed to one of the following addresses:

St. John's University
Office of the Registrar
8000 Utopia Parkway
Queens, NY 11439
ATTN: Diploma Desk

St. John's University
Office of Enrollment Services
300 Howard Avenue
Staten Island, NY 10301
ATTN: Diploma Desk

Full-Time Study in Graduate Programs

Full-time study shall mean enrollment for at least 9 credits a semester or the equivalent. This includes independent or individualized study, practice teaching, graduate assistantships, thesis or dissertation research and preparation for language or qualifying examination. Non-credit or prerequisite courses may be considered as contributing toward full- or part-time study on an equivalent basis. Such equivalence is determined through the program or school in which the student is enrolled and must be approved prior to registration. A student carrying a full-time program that includes non-credit prerequisite courses will carry at least six credit hours each semester with the exception of the first semester, in which a student only needs to carry three credit hours. A combination of such credit and prerequisite work shall equal the minimum student effort requirement for full-time study.

Courses taken entirely on a personal or voluntary basis, or solely to meet teacher certification, licensing or other external requirements, not recommended or required by the school, shall not contribute to full- or part-time study.

Students will not be permitted to register for more than 12 credit hours of graduate study in any semester. All students holding F-1 or J-1 visas must be enrolled in a full-time program (9 credits or the equivalent).

Credit Hour Guidelines

All St. John's University degree and certificate programs are approved by the New York State Education Department (NYSED). Therefore, all courses and degree programs at the University must comply with Section 50.1 (o) of the New York State Commissioner of Education Regulations highered.nysed.gov.

The University's method for awarding credit for courses in degree and certificate programs follow NYSED guidelines, which are based on the U.S. Department of Education's definition of credit hour. The U.S. Department of Education definition of a credit hour can be found at ifap.ed.gov/dpletters/attachments/GEN1106.pdf.

Each school's dean is responsible for assuring that their school establishes, maintains, and follows appropriate procedures and protocols for assigning credit hours. The procedures and protocols must meet these minimum guidelines:

- Each school must maintain procedures, written and web-accessible, pertaining

to the assignment of credit hours for all courses offered, regardless of the format or modality of instruction. This includes but is not limited to traditional lectures, individual voice or music instruction, online courses, and any other offering that can result in earned credit.

- Each school must document that its procedures provide for the assignment of credit hours for each course the school offers based on the following criteria:
 - Stated objectives for student learning, including (but not limited to) acquisition of content knowledge, key competencies, (such as skill in oral or written communication), or analytic reasoning skills;
 - Hours of instruction proposed for the course; and
 - Hours of supplementary assignments and student effort that are anticipated to take place outside the classroom. Hours of anticipated student effort outside the classroom can include estimated time spent on reading, writing, laboratory or studio assignments, preparation for examinations, etc.

Time Limit

Students who are unable to devote their full time to graduate study may extend the time for obtaining the master's degree or professional diploma beyond the normal span of two years. All coursework, research tool, residence and examination requirements must be satisfied within five years. No degree credit will be allowed for courses completed more than five years before the granting of the degree or diploma.

Students working towards their doctorate must complete all requirements for the degree within seven years (eight years for The School of Education). No degree credit will be allowed for courses completed more than seven years prior to the granting of the degree.

Examinations

If a student is not present for the regular final examination, a make-up examination may be permitted by the appropriate dean. Permission may be granted in the case of students whose academic work is acceptable and only when the reason for absence from the scheduled examination is of a sufficiently serious nature, i.e., an emergency situation which absolutely precluded attendance and can be documented to the dean's satisfaction. The deferred examination may be taken only on the date published in the Academic Calendar and the student is subject to a make-up examination fee in each case.

Auditing Courses

A student who audits a course is one who is qualified to register for a credit course for which no credit will be granted. *Students may not audit a course which they subsequently would be required to complete for their degree.* Auditors are expected to attend class but are not responsible for examinations or written assignments. A grade of "AU" for the course will be noted on the permanent record.

Permission to audit a course must be obtained on Audit Option Request form from the student's dean and the dean of the school in which the course is offered. This written permission must be presented to the Office of the Registrar. Audit and credit courses may not exceed 12 semester hours per term. Full tuition and fees are charged for an audited courses. A student may not change from audit to credit status or vice versa once the semester begins.

Grading System

A letter system is used in assigning grades for the course with quality points given for each grade:

Grade	Points	
A	Excellent	4
A-	Excellent	3.7
B+	Very Good	3.3
B	Good	3
B-	Good	2.7
C+	Fair	2.3
C	Passing	2
F	Failure	0
INC	Incomplete	0
ABF	Absent/Failure	0
WD	Withdrawal	0
P	Passing	0
AU	Audit	0
UW	Unofficial Withdrawal	0

Credit for courses is given in semester hours. The quality points for a course are obtained by multiplying the points corresponding to the grade given for the course by the number of semester hours of credit attached to the course. The total quality points for all courses divided by the total credits attempted give students their quality point index.

Besides term examinations, courses which carry three semester credits but which meet for only two hours a week require the submission of a research paper or some equivalent research project before credit may be given.

Written tests, term papers and other assignments are given during the term at the discretion of the individual instructor. Credit will not be given for a semesters' work unless all assignments have been satisfactorily completed.

The mark of UW (unofficial withdrawal) may be assigned, at the instructor's discretion, in cases

in which there is insufficient basis for an earned grade. Students may NOT request this mark.

A grade of incomplete (INC) may be given, at the discretion of the instructor, if the student fails to submit a research paper or some equivalent research project. Students receiving an INC grade must submit all required materials no later than the deadline indicated in the Academic Calendar. If the INC is not removed within the time period, it will remain a permanent INC grade on the student's record. In some cases, it may be necessary for the student to repeat the course. The student must request in writing a grade of incomplete from the professor before the end of the semester.

The grade of ABF will be assigned if the student fails to sit for the scheduled final examination if one is required for the course. The grade of ABF will remain on the student's transcript and will be calculated as an F grade if the student fails to sit for the make-up examination.

Academic Standing

Students in the master's and advanced certificate programs must maintain a 3.0 quality point average to continue in graduate work. Students who fail to maintain this average, either in a particular semester or in their overall academic record, are subject to having their academic program terminated. Students in the master's programs of the College of Pharmacy and Health Sciences will automatically become subject to review by the appropriate college committee and dean. Students are subject to academic dismissal as a result of such review.

Students in doctoral programs are required to receive at least a "B" grade in all courses. Grades of "B-" will not count as a "B" where required for doctoral courses. When a student receives a grade of less than a "B," their program enrollment will automatically become subject to review by the appropriate department, inter-departmental graduate committee and the office of the dean.

Residence

Residence requirements assure adequate contact between the University and the graduate student while providing necessary association with scholars in the student's area of specialization.

With the exception of the Master of Arts program in Speech-Language Pathology offered by St. John's College of Liberal Arts and Sciences, the master's and professional diploma programs offered by The School of Education, and the Master of Business Administration offered by The Peter J. Tobin College of Business, all master's degree students must successfully complete 12 semester hours of academic credit during two consecutive academic

semesters. For regulations on satisfying the residence requirement of a particular master's or doctoral program, each student should consult the appropriate college/school and department/division section in this bulletin.

Continuous Enrollment— Maintaining Matriculation

Master's Degree and Advanced Certificate

Continuous enrollment for matriculation until the degree is awarded is obligatory for students enrolled in degree programs. Those who are not enrolled in coursework must maintain their active status each semester by enrolling in a Maintaining Matriculation course at the scheduled registration periods. Students who have not satisfied the continuous enrollment requirement for two or more semesters must

- 1) apply for re-admission,
 - 2) meet the admission requirement in effect at that time,
 - 3) be re-admitted,
 - 4) pay the appropriate maintaining matriculation fees for two semesters.
- In order to register for the proper Maintaining Matriculation course, students should consult their departmental course offerings.

Comprehensive Examination

Most degrees require the satisfactory completion of a comprehensive examination. This examination must be taken within a year after the satisfaction of all courses, language and residence requirements.

Students in The Peter J. Tobin College of Business and the College of Pharmacy and Health Sciences should consult with the appropriate dean's office for complete details and requirements regarding the comprehensive exam.

This examination may be oral, written or both, according to the regulations of a particular department/division. The content of this examination is not limited to the courses taken by the student, but may cover general concepts as well as the whole area of the candidate's field of study. The comprehensive examinations may be held in the fall, spring or summer according to departmental/divisional regulations as noted in the Academic Calendar.

Applications for these examinations should be made in the dean's office no later than the dates assigned in the Academic Calendar. Late fees may apply. The individual examiners report the results of this examination in writing to the dean, who communicates them to the individual candidates. In case of failure, one re-examination may be permitted upon the recommendation of the departmental/divisional chair and the dean.

Doctoral Degree

Before sitting for the comprehensive examination, students must be registered in coursework or be enrolled in the appropriate Maintaining Matriculation course. In order to register for the proper Maintaining Matriculation course, students should consult their departmental course offerings. After successful completion of the comprehensive examination, students must enroll in the appropriate three-credit Doctoral Research course each semester until the degree is awarded. In order to register for the proper course, students should consult their departmental/divisional course offerings.

Students who have not satisfied the continuous enrollment requirement for two or more semesters must

- 1) apply for re-admission,
- 2) meet the admission requirements in effect at that time,
- 3) be re-admitted,
- 4) pay the appropriate fees for two semesters.

Research Review Board

All research carried out by students, faculty or affiliates of St. John's University involving human subjects must be approved by the Institutional Review Board for use of Human Subjects (IRB).

All research involving animals must be approved by the Institutional Animal Care and Use Committee (IACUC). This requirement includes any thesis, dissertation, research project or research essay. Such approvals must be secured before research is begun, *must be renewed each year and expires upon completion of degree.*

**Guidelines and application forms for both IRB and IACUC review are available on-line at: www.stjohns.edu/academics/research/grants-and-sponsored-research*

Master's Thesis

A department or division may require a thesis for the master's degree. Students should consult the appropriate department to ascertain if this is required or optional.

The master's thesis should offer evidence of sound research and an adequate treatment of a well-defined subject. A mere essay or compilation of facts will not be accepted. The thesis must be written on a subject comprehended under the major and approved by the mentor and the departmental committee.

The responsibility for a well-organized presentation of personal research rests with the student and is in no sense a part of the instructional responsibility of faculty members.

Before beginning the writing of the thesis, the student should consult with the chair of the department and become familiar with the

style sheet utilized by the department. The completed thesis should be submitted to the readers no later than the date indicated in the Academic Calendar, normally three calendar months before the end of the semester.

Doctoral Dissertation

The responsibility for a well-organized presentation of personal research (as well as the details involved) rests entirely with the student and is not part of the instructional responsibility of faculty members.

Since the doctoral dissertation research essay must present evidence of a substantial contribution to existing knowledge as a result of personal research, it is considered a criterion of the student's scholarly attainment and will largely determine their final success in reference to the degree.

The title of the dissertation, along with the names of the mentor and members of the research committee, must be submitted to the department and then the dean for approval. When the student's mentor has approved the completed dissertation, the reader's copies, typewritten according to the approved format, must be submitted approximately four calendar months before the end of the semester. The format to be used is specified by the appropriate department or school.

In establishing a doctoral dissertation/ research essay committee, preparing a dissertation proposal and submitting and defending the dissertation, the following guidelines apply:

1. Students have the responsibility for requesting a mentor from the doctoral core faculty.
2. The student and mentor work together to choose a committee adhering to the following procedures and guidelines:
 - a. The committee shall consist of the mentor and at least two other members.
 - b. The two members plus the mentor shall come from the department/division.
 - c. One additional member of the committee may come from outside St. John's University.
 - d. The departmental/divisional chair, dean and mentor must unanimously approve any outside member.
 - e. Final approval of the committee composition rests with the dean.
3. The dissertation proposal must be approved by the committee and then forwarded to the departmental chair for their recommendations and then to the appropriate dean for their approval.
4. There shall be an interim oral presentation of the dissertation in progress made before the doctoral committee which shall be scheduled by the mentor.

5. A manuscript based upon the dissertation and properly prepared for submission to a refereed journal must be submitted to the mentor prior to the scheduling of the oral defense.
6. The oral defense shall be open to the University community.
7. The mentor acts as the chair of the oral defense, unless otherwise determined by the Department GEPC or its equivalent. The chair of the oral defense shall be responsible for conducting the defense according to parliamentary procedure.

Students must consult their respective dean's office, as well as the directors or chairs of their doctoral programs, for the specific guidelines, timelines and stylistic formats which apply to the dissertation within their discipline.

After the completed dissertation has been formally accepted, the candidate must defend the dissertation in a final oral examination before the faculty and the doctoral committee.

Doctoral dissertations are submitted through the ProQuest ETD (Electronic Theses and Dissertations) Administrator Management System. This simplifies the submission and review process for the student, the University Schools and the Library. The process is entirely online. Ultimately, your work is added to the ProQuest Dissertations & Theses Global Database as well as the institutional Repository, St. John's Scholar (<https://scholar.stjohns.edu/>).

Guidelines (https://campusguides.stjohns.edu/ld.php?content_id=52322630) for the formatting of your work are available on the Dissertations & Theses Main Guide at St. John's Libraries (<https://campusguides.stjohns.edu/dissertations/stjrequirements>). There is a convenient checklist (https://campusguides.stjohns.edu/ld.php?content_id=52322631) to review once your work is completed.

College of Pharmacy and Health Sciences students must submit to the CPHS ETD Administrator portal at ETD Administrator-College of Pharm. & H.S. (<https://www.etdadmin.com/student/inst?siteid=929>) and all other students submit to the St. John's ETD Administrator at ETD Administrator- St. John's (<https://www.etdadmin.com/student/inst?siteid=417>).

Please refer to Submitting Your Thesis or Dissertation to ETD Administrator at St. John's Guidelines (https://campusguides.stjohns.edu/proquest_electronic_publishing_agreement) on how to proceed with the submission process. In coordination with your School, "Formatting and Submitting Your ETD" Workshops are offered through the University Libraries prior to graduation each semester.

Please consult with your college or department office for further information.

Graduate Financial Aid Forms

St. John's University participates in the Federal Direct Loan programs and offers a variety of financial aid programs to support graduate study including assistantships and fellowships.

To be considered for Federal student aid (including federal loans) students must:

- Complete and sign the Free Application for Federal Student Aid (FAFSA) and meet federal eligibility requirements
- Be a U.S. citizen or an eligible noncitizen
- Have a High School Diploma or recognized equivalent such as a GED
- Have a valid Social Security Number
- Be registered with Selective Service if you are a male between the ages of 18 and 25
- Enrolled in an eligible degree or certificate program
- Maintain satisfactory academic progress at St. John's University. Please visit StudentAid.gov/eligibility for detailed information on all eligibility requirements for federal student aid.

Please use St. John's University federal institution code number 002823 when filing the FAFSA. Once the FAFSA is processed, the student will receive a federal Student Aid Report (SAR). You may obtain and complete your FAFSA application online at studentaid.gov.

Assistantships and Fellowships

Assistantships and fellowships are awarded annually to academically qualified graduate students. Descriptions of the Award Categories are below.

Doctoral Fellows

Doctoral Fellows are awarded to doctoral students only; these assistantships reside only in academic departments. Doctoral Fellows teach and/or conduct research. Teaching activities might include lab supervision, serving as teacher of record for select undergraduate courses, tutoring, or in some other capacity. Research must be confined to the faculty and/or program needs of the student's department. Doctoral Fellows are expected to devote a specified number of hours per week engaged in the teaching or mentoring of students in some capacity.

Graduate Assistantships

There are several types of Graduate Assistantships. Those assigned to departments are expected to teach and/or conduct research within those disciplines. The purpose

of the Graduate Assistant program is to provide a graduate student the opportunity to supplement coursework with practical experience related to the student's educational course of study and career objectives. Assistantships are an extension to, and application of, classroom instruction through hands-on experience with guidance from experienced faculty, administrators, or staff. Other types of Graduate Assistantships are assigned to offices and capacities throughout the University not directly affiliated with departments. The majority of Graduate Assistants in both categories will be master's students, although doctoral students are also eligible for these positions.

University Doctor of Arts Fellowships

UDAF's are tuition-reimbursement-only fellowships (no stipend) awarded to working professionals in the Doctor of Arts programs in History and English. UDAF's are granted at the discretion of the deans in consultation with chairs and supervisors. The criteria for selection of these awards are solely academic merit.

Summer Graduate Assistants

A limited number of summer Graduate Assistantships are available. Most of these are tuition-reimbursement only and come without stipends. Summer Graduate Assistantships can be for three or six credits but no more; credits can be taken over one or two sessions. Summer stipends are awarded to students in the following departments: Biology, Chemistry, Psychology (St. John's College) and all departments in the College of Pharmacy and Health Sciences.

Scholarships

Scholarship awards are offered primarily on the basis of scholastic achievement and need. They are generally given to full-time students for a period of one year. Application for scholarships should be made to the academic dean's office unless otherwise indicated.

Scholarship awards vary depending on availability of funds.

The School of Education Scholarships

Students interested in applying for any of the following scholarships offered by The School of Education are referred to the Office of the Dean in the Graduate School of Education.

Catholic Scholarship

An academic scholarship is awarded to select eligible graduates with a record of significant achievement from a Catholic college or university who have completed a major or minor in education. This scholarship is extremely

competitive. Each scholarship provides for full-time study in one master's degree program in the Graduate Division of the School of Education. The scholarship commences with the fall term and is applicable to new students applying to a master's degree only. Students are responsible for all fees, books, and other expenses.

Requirements for Consideration

You must be a graduate of a Catholic college or university and have completed a major or minor in education. You must also possess a proven track record of service to your college/university or community. To apply, please submit an application to the University, a statement of professional goals, a resume, and two letters of reference supporting your service to your college/university and/or community

How to Apply

Submit a Catholic Scholarship application along with transcripts, resume, and two letters of reference supporting service to your college/university and/or community, and a statement of goals.

Deadline: All materials are due April 1 for enrollment the following fall semester for master's degree candidates only. This is an extremely competitive scholarship.

Graduate Scholars in Education

In response to the critical need for teachers, St. John's University awards tuition scholarships for a full master's degree in education. This highly competitive, one-time scholarship is worth \$6,000 toward the 33-60 credit program and may be renewed for an additional year. It will be awarded to select eligible applicants commencing in the fall semester.

Requirements for Consideration

You must possess a cumulative grade point average of 3.25 or higher.

How to Apply

Submit an application for the scholarship signed by the chair, granting the student permission to apply.

Deadline: This is an extremely competitive scholarship. Students are urged to apply as far in advance as possible. Fall and spring awards are available.

Catholic School Educator Grant

Description: As part of our mission as a Catholic university, St. John's awards a 40 percent tuition reduction to full-time teachers and administrators in Catholic schools for one master's degree, one advanced certificate, and/or one of the following doctoral degrees; Doctorate in Education (Ed. D), Doctorate of

Arts in English (D.A.) or Doctorate in School of Psychology (Psy. D.). For up to six credits.

Requirements for Consideration

You must be a full-time employee at a Catholic school. Student must be employed at the school during the academic year for which grant funds are requested. Proof of employment must be submitted each academic year.

How to Apply

Submit your application along with all other necessary materials. If accepted by the University, you must complete a written form each semester with supporting documentation and submit it to the Office of Student Financial Services. The form can be found at www.stjohns.edu/catholiceducationapp.

Excellence in Education Scholarship

Description: This scholarship acknowledges outstanding academic achievement and is based on the recommendation of the faculty. The scholarship is awarded to three students continuing in a graduate program in the fall semester from each department in the Graduate division of the School of Education. This highly competitive, one-time scholarship is worth \$7,500 toward a master's degree, advanced certificate or doctorate.

How to Apply

Please speak with your department chair.

Special Graduate Scholarship Program for Public Employees

Each semester St. John's University awards a limited number of graduate scholarships to students who are Public Management employees pursuing a master's degree in the Graduate Division of Liberal Arts and Sciences, Department of Government, and Politics. Applicants may inquire through the Department of Government and Politics.

Endowed Scholarships

The University offers students the opportunity to apply for Endowed Scholarships which have been made possible by the generosity of our donors who include trustee, alumni parents, and friends of St. John's University.

Federal Financial Aid—Staying Eligible

A recipient of any type of federal financial aid must make appropriate satisfactory academic progress in order to continue to be eligible to receive federal financial aid. Students who fail to make satisfactory academic progress lose eligibility for federal aid. Please review SAP policy at www.stjohns.edu/sapelibility.

Federal Direct Student Loan Programs

What is a Federal Direct Student Loan?

Federal Direct Student loans are one form of student aid from the federal government. Under the Federal Direct Student Loan program students borrow money for school from the federal government. The student must be enrolled at least half-time in degree applicable coursework, to be eligible to borrow a Federal Direct Student Loan. The Office of Student Financial Services encourages students to evaluate loan options carefully, borrow only what is really needed and remember that loans must be repaid. All federal funding is subject to congressional action.

How much can I borrow?

\$20,500 is the maximum annual amount a graduate student is eligible to borrow in the form of a Federal Direct Unsubsidized Loan. Please note loan limits are set by federal regulation and determined by Congressional action.

What is an Unsubsidized loan?

A federal loan made to eligible students who file the FAFSA. Interest accrues during all periods.

Federal Direct Unsubsidized Student Loan payments can defer until after graduation, but interest on the loan accrues and is capitalized on the loan while you are enrolled in school and/or in deferment. Loan repayment must begin six months after the student ceases to be enrolled at least half-time (including leaves of absence or maintaining matriculation periods). The interest rate for Federal Direct Unsubsidized Loans is calculated annually by the Federal Government based on the 10-year Treasury note index.

Are there any other federal loans available to graduate students?

The Federal Direct Graduate PLUS Loan is a federal loan available to graduate students. The maximum amount you will be eligible to borrow for the school year will be indicated on your St. John's award letter. Students often elect to limit the amount which they borrow to the difference between annual direct costs and other financial aid received. Direct costs are those paid directly to St. John's including tuition and fees, and room and board for resident students. Indirect costs consist of all other expenses that relate to attendance at St. John's University. Your entire estimated cost of attendance is available on your UIS account. The interest rate for the Federal Direct Graduate PLUS Loan is calculated annually by the Federal Government based on the 10-year Treasury note index.

What fees, if any, are associated with these loans?

For Federal Direct Unsubsidized Loans, an origination fee is assessed and is automatically deducted by the federal government. For Graduate PLUS loans, an origination fee is assessed and is automatically deducted. Since origination fees are deducted before the federal government disburses loans to St. John's, the amount credited to the student's account will be less than the loan amount borrowed. Origination fees are determined by the U.S. Department of Education and are subject to change on an annual basis. Go to studentaid.gov for current origination fees.

How do I apply for a Federal Direct Student Loan?

Federal Direct Unsubsidized Stafford Loan Process

Step 1: All students who wish to borrow a Federal Direct Unsubsidized Stafford Loan must first accept their loans. Loans are accepted or declined on the student's personal UIS account by following the instructions below:

- Log in to UIS and click on the Financial Aid tab
- Click on My Award Information then Award by Aid Year
- Select the current aid year and submit
- Click on the Accept Award Offer tab
- Follow the on screen instructions to fully accept, partially accept, or decline your loan awards.

*Important note: If you wish to reinstate a loan you already declined or modify a loan you have already accepted, please print, complete and return a Student Loan Change Form available online at www.stjohns.edu.

Step 2: First-time Direct Loan borrowers only must complete a Federal Student Loan Entrance Counseling Session in accordance with federal regulations. Visit studentaid.gov and click on Entrance Counseling. Borrowers will need their FSA ID in order to complete Entrance Counseling. (When selecting a school during entrance counseling, search for "Saint John's University" without using abbreviations.)

Step 3: First-time Direct Loan borrowers must complete a Direct Loan Master Promissory Note (MPN) at studentaid.gov. Borrowers will need their FSA ID in order to complete the MPN.

Federal Direct Graduate PLUS Loan Process

All new Direct Grad PLUS borrowers must complete a separate Grad PLUS Entrance interview at Studentaid.gov. All borrowers must have their credit history checked by the Department of Education. Approved borrowers

will then have to complete a Master Promissory Note in order to obtain a loan. Students should go to studentaid.gov to complete the PLUS process.

Where can I learn about the various federal student loan programs?

For more information, please visit the following websites:

- www.stjohns.edu/financialaid
- www.studentaid.gov

Withdrawal from the University

Students are strongly encouraged to reach out to the Office of Student Financial Services, to discuss the possible impacts of a withdrawal. A withdrawal from courses could affect a student's eligibility for Title IV Aid as outlined below and in subsequent terms. Students who decide to withdraw from a course should see their academic advisor to complete a Change of Program Form. Learn more.

Return of Federal Title IV aid

Students who withdraw from all courses, either officially or unofficially in a semester/term, on or before completing 60% of the semester/term and who have received federal Title IV funds in the form of a Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), Teacher Education Assistance for College and Higher Education (TEACH) Grant, Federal Direct Loan and/or Federal PLUS loan, in accordance with federal regulation are required to have their eligibility for those funds reviewed. The University is required to apply a federally mandated formula to determine how much of the federal funding was "earned" up to the determined date of the student's withdrawal. This review and calculation is referred to as a "Return of Title IV Aid Calculation".

Federal regulations mandate that federal Title IV funds disbursed in excess of the "earned" amount must be returned to the federal government by the university and/or the student. If a student received a refund from the Office of Student Financial Services, that was to be used for educationally related expenses, the student may be required to return all or a portion of the funds to the University. This portion represents funds that were intended to pay for educationally related expenses through the end of the semester/term. The amount to be returned to the University will be determined by federal formula.

The amount to be returned to the federal government will be calculated based on the date the student officially withdrew from classes or the determined date of an unofficial withdrawal. A student who fails to officially notify the academic advisor of intent to withdraw from classes and fails

to earn grades for all classes is considered an unofficial withdrawal. In the case of an unofficial withdrawal, the withdrawal date will be computed as the last date the student was involved in an academically related activity or the 50% point in the term in the event that a last date of academic activity is not available. Academically related is defined as academic participation in a course such as submitting an assignment, taking an exam or participating in an online academic-related discussion. Academic activity is not considered to be simply logging into a course or academic counseling or advisement.

Determining Federal Title IV Aid Earned

To determine the amount of federal aid a student earned, the Office of Student Financial Services will first calculate the student's percentage of the semester/term attended. The calculation is based on the number of days the student attended classes divided by the number of days in the semester (excluding breaks of 5 days or more). That percentage is then calculated, together with other required elements including the institutional cost, and total federal funds received or that a student was eligible to receive, to determine the amount of federal aid a student is eligible to retain.

Any "unearned" federal Title IV aid must be returned to the federal government. The University will return the unearned funds and will adjust the student's semester/term bill accordingly. Students will be responsible to repay the University due to an outstanding balance resulting from the return.

Post-Withdrawal Disbursement

A student may be entitled to a Post-Withdrawal disbursement if the student withdrew prior to the disbursement of Title IV funds. The institution will notify the student if he or she is eligible for a Post-Withdrawal disbursement of loan and/or grant federal funds. A student may opt to accept or decline an offer of a Post-Withdrawal disbursement of grant or loan funds if the student desires to save the funds for enrollment at another institution.

Module Programs

A course that does not span the entire length of a semester is considered a module course. Students who are enrolled in module courses and cease attendance in any course are considered to have withdrawn and may be subject to a Title IV recalculation unless the student notifies the University in writing of their intent to enroll in another module that falls within the same enrollment period. The confirmation of the student's intent to re-enroll must be submitted by the student within two weeks of receiving communication from the Office of Financial Services. If the student does not begin attendance in the later course,

then the student will be considered to have withdrawn and a Title IV recalculation will be completed.

Return of Federal Title IV Aid Allocation

Funds that are returned to the federal government are used to reduce the outstanding balances in an individual federal program. Federal regulation requires that "unearned" funds be returned in the following order:

1. Federal Unsubsidized Direct Loan
2. Federal Subsidized Direct loan
3. Federal Perkins Loan
(Program currently not funded)
4. Federal Direct Parent Loan (PLUS)
5. Federal Direct Grad PLUS
6. Federal Pell grant
7. Federal SEOG
8. Federal TEACH Grant
9. Iraq Afghanistan Service Grant

Important Notes

Withdrawal from courses could also affect your institutional aid eligibility based on the type and amount of funding received and the resulting tuition liability. Be sure to review this information with the office of Financial Services.

A withdrawal could also affect your Satisfactory Academic Progress standing impacting future aid eligibility.

Your loans may go into repayment once you withdraw from school. It is important to pay close attention to communications about loan repayment. Be sure to make payments on time in order to avoid the possibility of default that could result in the loss of future federal aid eligibility.

Student Support Services and Resources

Alumni Relations

The Office of Alumni Relations is dedicated to keeping our over 195,000 graduates connected to each other and to St. John's University. It strives to continually enhance services and develop new programs to engage St. John's alumni. Through our affinity groups and regional chapters, there are opportunities to volunteer both locally and regionally. Realizing that today's students are tomorrow's alumni, it offers support through partnerships with Student Affairs, Career Services, Residence Life and others. Graduates and supporters of the University can enjoy a wealth of year-round discounts, services and resources provided through its wide selection of corporate partners. Stay connected with St. John's University and fellow classmates by visiting www.stjohns.edu/alumni.

The Office of Alumni Relations:

- Engages alumni through social and career networking functions throughout the year
- Provides leadership opportunities through alumni volunteer committees both locally and nationally
- Supports regional engagement activities and chapter programs
- Hosts alumni receptions and athletic events both home and away
- Collaborates with Career Services and Admission on alumni programming
- Provides exclusive programming and pricing for GOLD (Graduates of the Last Decade)

For more information about the Office of Alumni Relations, please visit www.stjohns.edu/alumni. Contact us:

- Queens campus
718-990-6232
alumni@stjohns.edu
- Staten Island campus
718-390-4094
statenisdalumni@stjohns.edu

Follow St. John's Alumni social media pages @stjohnsalumni:

- Facebook
- Instagram
- LinkedIn
- Youtube
- Flickr
- Twitter

Athletics

St. John's University offers 17 sports programs which compete at the highest level of intercollegiate athletics. The University participates at the Division I level of the National Collegiate Athletic Association (NCAA) and is a founding member of the BIG EAST Conference. Red Storm teams are also affiliated with the Eastern College Athletic Association (ECAC), the Intercollegiate Association of Amateur Athletics of America (IC4A), the Metropolitan Track and Field Association (MTFA), the Intercollegiate Fencing Association

(IFA) and the National Intercollegiate Fencing Association (NIFA).

The University has 10 intercollegiate offerings for women, including basketball (10 NCAA Tournament appearances), cross country, fencing (2001 NCAA National Champions), golf (2011 BIG EAST individual champion), indoor and outdoor track and field (28 NCAA Championship appearances), soccer (four NCAA Tournament appearances), volleyball (2007 and 2019 BIG EAST Champions), tennis (2018 BIG EAST Champions) and softball (2016 BIG EAST Champions).

The seven men's intercollegiate team offerings consist of baseball (Tied for 8th all-time with 37 NCAA Tournament appearances, six College World Series appearances), basketball (29 NCAA Tournament appearances, ninth-most wins in NCAA history), fencing (2001 NCAA National Champions), golf (five NCAA Regional appearances), lacrosse, tennis (five BIG EAST Championships) and soccer (1996 NCAA National Champions, four College Cups, 21 NCAA Tournament berths).

Campus Recreation

Campus Recreation is designed for the purpose of providing the the St. John's Student body with the opportunity to participate in a variety of leisure and recreational activities. These activities encompass team sports, individual and dual sports, as well as competitive and non-competitive activities. In addition to the obvious benefits of physical fitness, it is hoped the participants will also obtain improved skills, new and lifelong leisure time skills, along with social and ethical qualities (cooperation, trust, regard for others, etc.) from this program. It is felt these objectives are consistent with the University's educational mission. A high level of skill is not a prerequisite to participate in any activities offered by this department. All eligible students are urged to take part in as many activities as time and interest permit.

The Fitness Center

The Fitness Center offers a wide variety of cardio equipment including treadmills, arc trainers, ellipticals, stationary bikes, rowers, and Stairmasters. Strength training equipment, free weights, cross-fit area and a stretch/abdominal area are also available.

The Fitness Center is located on the east side of Carnesecca Arena. You may enter the Fitness Center from the lower level of Carnesecca Arena. A valid St. John's ID Card is required.

Intramurals

Having the opportunity to participate in both formal and informal recreational activities is

a vital part of everyday life. The Intramural program at St. John's University provides formal recreational sports opportunities to all students, faculty, staff and administrators by offering an opportunity for interesting and rewarding competition in men's, women's and co-recreational activities. The program offers a variety of activities that the entire university community can participate in regardless of preference or athletic ability.

Personal Training

The Personal Training program offers one-on-one sessions with a qualified personal trainer. The personal trainer will design a fitness program specifically designed to meet your needs and interests. This is the best way to receive high-quality instruction, motivation and support for your new fitness routine.

Club Sports

Campus Recreation's Club Sports Program provides opportunities for students with similar interests to participate in various sport and recreational activities. It is administered by Campus Recreation and is dedicated to improving the quality of life for students as well as encouraging healthy life choices. Club Sports are formed so the participants can learn new skills, improve existing skills, enjoy recreation and engage in competition. Participants can also enjoy both social and recreational fellowship through teamwork and develop their leadership skills. Current Clubs include: Bowling, Kickline, Men's Basketball, Running/Track, Tennis, Ultimate Frisbee, and Women's Soccer.

For more information about Campus Recreation services and hours of operation please visit www.stjohns.edu/crec

Campus Ministry

Campus Ministry at St. John's University is people, programs, places and most importantly, a presence. At St. John's, your journey is as spiritual as it is intellectual. Our passion for creative teaching and learning guides you as you take your place in this world and become the person you are truly called to be. Campus Ministry supports many Catholic and interfaith initiatives that help promote spiritual engagement and worship, encourage reflection and dedicated service, offer social justice and leadership opportunities, and foster a supportive and inclusive community among students, faculty, administrators, staff, and the Vincentian family.

We provide spiritual experiences that expand horizons, invite exploration, and challenge assumptions for all people of all faiths. For those who are Catholic, we help foster involvement in experiences designed to fulfill the Gospel call to justice, as well as invite

active participation in celebrations of the Eucharist and other sacraments.

Vincentian in tradition, Campus Ministry also seeks to instill in the University community a deep concern for the rights and dignity of the human person, especially the poor and most vulnerable.

The retreat experience is an important part of the Campus Ministry program, offering students time away from the pressure of classes and working to reflect, make friends, relax and give thanks. Retreats are conducted by student leaders and staff.

The St. Vincent de Paul Society is a student service organization sponsored by Campus Ministry. The members are involved in weekly service opportunities such as serving in soup kitchens, shelters and schools. They also sponsor service projects and fundraisers throughout the year.

The Queens and Staten Island campuses invite students, staff, faculty and administrators to participate in various ministries in the Chapel such as readers, Eucharistic Ministers, singers and musicians.

The RCIA program is available for those who are thinking of becoming Catholics and for Catholics who wish to receive First Communion or Confirmation or would like to be a sponsor for a candidate.

On the Queens campus, the Eucharist is celebrated daily at 8 a.m. and 12:15 p.m. in St. Thomas More Church. There is a Sunday celebration at 11 a.m. followed by a coffee hour. The opportunity for reconciliation is also available each day. A special mass for students is held on Sunday evenings at 5:30 p.m.

On Staten Island, Campus Ministry offers many of the same programs offered in Queens, including weekly service, plunges, retreats, the RCIA program, and Mass and Reconciliation. Mass is celebrated at 12:15 p.m. on class days and at 6:00 pm on Sunday's in St. Vincent de Paul Chapel in Lavelle Hall. There is an opportunity for reconciliation before mass, by requested appointment and during special days of Reconciliation during Advent and Lent. Special masses for campus groups are arranged with the Campus Ministry Office.

The Campus Ministers are always available to students to help with bereavement, or other issues that students may be facing in their lives. Campus Ministry welcomes all students to find a home.

University Career Services

University Career Services is excited to welcome you to St. John's and to work with you as you continue your professional journey. Career Services supports master's and doctoral students as they explore, prepare for, and choose meaningful careers. Our office

offers students a wide range of career-related education and development, which includes, but is not limited to:

Personalized Advisement

Career Services is committed to serving and walking alongside our graduate student population to help you understand yourself, explore career options, and take action to achieve your career goals. We offer one-on-one career advising sessions including resume writing/cover letters, internship/job search strategies, networking and evaluating job offers/salary negotiations.

Internships and Employment

Are you looking for internships or job opportunities?

If your answer is yes, connect with University Career Services to learn about resources and to assist you with identifying, researching and obtaining meaningful internships, part- and full-time employment.

Through Career and Internship Fairs, networking events, and information sessions you will be able to tap into a network of more than 190,000 alumni and top employers from all industries who connect with and recruit St. John's students. They are willing to offer advice about careers in their organizations and are seeking to meet qualified candidates to fill internships, part-time and full-time positions. Handshake visit signon.stjohns.edu.

Leadership and Professional Development

Our Leadership and Professional Development programs focus on developing and practicing competencies that you need to further develop yourself, so you are successful upon graduation in any profession or career path. Career Services helps you acquire leadership skills that are essential to the educational experience and can lead to greater personal enrichment, academic success, and career readiness in the global workforce.

We look forward to seeing you throughout your journey at St. John's. Follow us on Instagram [@getheredstjohns](https://www.instagram.com/getheredstjohns)

QUEENS | Chiang Ching Kuo Hall (CCK) | (718) 990-6375 | careers@stjohns.edu

STATEN ISLAND | Flynn Hall | (718) 390-4438 | jobs@stjohns.edu

Center for Counseling and Consultation

As part of the Department of Student Wellness, the Center for Counseling & Consultation (CCC) work closely with all members of the St. John's community to help create a healthy and positive living

and learning environment. The staff at the CCC is dedicated to helping students with a whole range of challenges that may interfere with the ability to live well, relate to others, and succeed academically. These challenges may include: stress, anxiety, family or social concerns, relationship difficulties, grief, trauma, alcohol or substance abuse, food relationship issues, homesickness and loneliness.

Our services include assessment, individual and group counseling, crisis intervention, consultation and referral and outreach programming. Psychiatric consultation is also available when appropriate. Center uses a short-term counseling model but should you need more longstanding or specialized support referrals can be made to resources within the community that best suit your needs.

All CCC services are **free and confidential** within the limits of legal and ethical restrictions. Information about students will not be shared with anyone without their written consent except in emergency situations if harm is imminent.

Who We Serve/ Eligibility for Services

The Center for Counseling and Consultation serves the entire St. John's University community including students, faculty, and staff:

- **Students:** Undergraduate and graduate students taking 6 or more credits at St. John's University are eligible for all CCC services. Students taking 5 or fewer credits and non-matriculating students are eligible for consultation and referral.
- **Faculty and Staff:** Faculty and staff are not eligible for direct counseling services, however available services include consultation regarding of students of concern, classroom presentations, workshops and trainings offered by the center.
- **Parents and Family:** Services for students are confidential including whether they are being seen for counseling at the center. However, parents and family are encouraged to contact CCC if they have concerns about the welfare of their child.

Queens Campus

Marillac, Room 130
Tel: 718-990-6384

Staten Island Campus

Spellman Hall, Room 101
Tel: 718-390-4451

Students at the Manhattan campus may use the services at the above campuses or be assisted with a referral to community practitioners.

For more information about the Center for Counseling and Consultation services and hours of operation please visit www.stjohns.edu/counseling

Dining Services

St. John's Dining Services are proudly operated by Chartwells Higher Education. Offering a wide variety of meal options in more than ten dining locations on two campuses, you're sure to find something to satisfy your hunger.

St. John's Dining also features a full service catering department. From casual meetings to gala affairs, our catering staff is available to guide the way to a successful event.

Should you have any questions regarding campus dining, please visit our website at DineOnCampus.com/StJohns or call us at 718-990-1535, or stop by our offices in Marillac Hall B-6.

Student Health Services

Student Health Services offers free and confidential services to all eligible students on the Queens and Staten Island campuses. You can get treated for minor illnesses and injuries. If there is a need for any additional testing, such as X-rays or blood work, we can assist you in finding an off-campus local health provider.

Immunization Requirements

As per New York State Public Health Laws 2165 and 2167, all St. John's University students must provide St. John's with proof of immunity to measles, mumps, and rubella and acknowledge receipt of information regarding meningococcal disease or provide proof of meningococcal vaccine. Failure to comply with this law will result in the University unenrolling you from classes. For more information about how to comply with New York State Public Health Laws 2165 and 2167 please visit www.stjohns.edu/healthforms

St. John's requires students to be vaccinated against the COVID-19 virus and to provide proof of vaccination before the start of each term. Proof of vaccination to COVID-19 must be submitted online via Medicat, the online patient portal. Please submit your health forms online via Medicat, the Student Health Services portal, at signon.stjohns.edu.

DaSilva Hall
Tel: 718-990-6360

Staten Island Campus
Campus Center, Room B-17
Tel: 718-390-4447

SOAR (Sexual violence Outreach, Awareness, and Response)

The SOAR Office works with community stakeholders to prevent and reduce the traumatic impact of sexual assault, dating and relationship violence, and stalking at St. John's University

The SOAR office also provides access to a Campus Support Advocate (CSA). The CSA is a confidential resource to any student who has been a victim of sexual violence. The CSA helps students recover from sexual violence by supporting them through the institution's response protocols, informing them of their options to report, and providing a survivor-centered space to talk. If preferred, the CSA may also connect students to off campus service providers. Please contact the Campus Support Advocate by calling 718-990-8484.

For more information about the SOAR Office please visit www.stjohns.edu/soar

Housing: Non-University Housing

The Residence Life office is located in Donovan Hall C16 and can be contacted at 718-990-2417. Residence Life has a relationship with a third-party vendor who provides a non-university rental listing website at <https://stjohns.jumpoffcampus.com/>. The University does not inspect these facilities. The evaluation of suitability of any facility is the responsibility of the potential renter.

International Student and Scholar Services

The International Student and Scholar Services Office, located on the Queens campus in Marillac Hall, Room 210 assists international students and scholars in all matters related to their life at St. John's University and in the community including: immigration assistance; applying for an I-20/DS-2019 and non-immigrant visa, orientation to life at St. John's; New York City and the American culture; counseling for financial, adjustment, personal, legal and other matters; advisement concerning medical insurance, Social Security, taxes, campus and community services; coordinating workshops for non-immigrants on employment, travel and maintaining status, documentation for foreign exchange, enrollment certification; liaison with foreign consular offices, U.S. government agencies/ departments and University offices.

The Global Language and Culture Center

The Global Language and Culture Center, located in St John Hall 104–106, is one of the academic support services offered by the University and a language resource center where all students can come to practice one of the 12 languages currently offered at St. John's University. Through immersion and interaction, with the help of trained language assistants, they can build on the language skills acquired in the classroom in a convivial and relaxed atmosphere. Students enrolled in the Speech Pathology Program can also do their required labs for phonetics and language acquisition at the Center under the supervision of a trained tutor.

The Center offers large seating and study areas equipped with computers, large screen TVs, and reference material. Individual language pods lend privacy to small study groups.

Students can receive individual tutoring or practice their language skills by engaging in group activities under the guidance of a native speaker of the language: grammar, pronunciation and writing workshops, round table conversations or C.V. preparation in the target language before an internship abroad in France, Italy, or Spain. Lectures and cultural events are held regularly at the Center. Language placement tests are also administered for students interested in majoring or minoring in French, Italian or Spanish.

The Center for Nonpublic School Building Leadership

The Nonpublic School Building Leadership Program (NPSLPD) is a St. John's University School of Education partnership program that, in conjunction with the NYCDOE Office of Non Public Schools and the New York State Office on Nonpublic Schools Services, provides school leadership professional development and School Building Leadership(SBL) degree preparation—Master in SBL or Advanced Certificate in SBL—leading to New York State Education Department SBL Certification for *aspiring non public school leaders, who teach and work in Catholic, Independent and Religious Schools*. Leadership, administrative competencies development and career development are emphasized and tailored specifically to each participant and to the school community in which each aspiring leader currently works.

This unique, multifaceted program is grounded in SJU Vincentian **core values of truth, love, respect, opportunity, excellence and service.** Steeped in the most current educational research, each participant is prepared to lead and administer in diverse communities, especially those with significant populations of English Language Learners (ELLs) and Multilingual Learners (MLs). NPSLPD not only aligns with the National Professional Standards for Educational Leaders (PSEL), but also with the Performance Indicators and Competencies required for School Building Leadership Certification in NYS. Faculty's ongoing research of the impact the program's preparation courses on aspiring school leaders continues to inform accreditation processes, field experiences, and program changes. For Catholic educators, the NPSLPD serves and prepares students in collaboration with the Emerging Leaders Programs of the Catholic Schools Administrators Association of New York State (CSAANYS), with the Archdiocese of New York, the Diocese of Brooklyn and the Diocese of Rockville Centre. For participating students, St. John's School of Education faculty continue to create unique learning and leadership opportunities that align with the National Standards and Benchmarks for Effective Catholic Schools and offer graduates opportunities to present at the Annual RISE Conference for NYS Coalition of Independent and Religious Schools and other local and national conferences.

The Institute for Catholic Schools

The Institute was established to serve as a valuable collaborative resource for local dioceses to support and enhance Catholic elementary and secondary education. Its overarching purpose is to foster long-term sustainability of Catholic school education and facilitate the growth and excellence of Catholic education in enhancing the administrative and academic infrastructure of schools. Past programs, such as the Curriculum Leadership Team (CLT) and Marketing the Mission, were developed with the input of the diocesan leaders and in conjunction with the School of Education as well as the Peter J. Tobin College of Business and the Vincentian Center for Church and Society.

Most recently, ICS has collaborated closely with the School of Education and St. John's University leadership to develop and implement a Catholic School Teacher Scholarship (CSTS) to assist current Catholic School educators in the Brooklyn Diocese, the Archdiocese of New York, and the Diocese of Rockville Centre to pursue a master's degree or Advanced Certificate in the School

of Education at a substantial savings. Send inquiries regarding the CSTS to moss@mstjohns.edu.

In addition, The Institute for Catholic Schools has partnered with the School of Education and the Catholic School Administrators Association of New York (CSAANYS) in assisting teacher leaders in the discernment process as to their pursuit of Catholic school leadership positions. Future programs of the Institute will continue to be responsive to the needs of Catholic educators to continue the mission of Catholic education.

Speech and Hearing Center

The Speech and Hearing Center, under the direction of Anne-Marie Maher, MA, CCC-SLP, has offered diagnostic and therapeutic services for communication disorders since 1976. Located off the Queens campus on Union Turnpike, the Center serves Queens, Long Island and the metropolitan New York community. The population served ranges from infants to adults. The Center's staff consists of ASHA certified and New York State licensed professionals who work with graduate clinicians to assess each client's communication impairment and design an appropriate therapy program to address the needs of the client. Therapy sessions are scheduled on a semester basis according to the Academic Calendar. When indicated, referrals are made to other appropriate agencies.

The Center serves as a training site for St. John's University graduate students enrolled in the Speech-Language Pathology and Audiology Program. Therapy is provided by graduate clinicians under the direct supervision of licensed and highly experienced Speech-Language Pathologists. The Center is a fully equipped, modern facility, housing the latest diagnostic, therapeutic materials and instrumentation. Two complete audiometric suites are on site to provide audiological evaluation and hearing aid fitting.

The Center provides comprehensive evaluation services and treatment for impairments in articulation, fluency, voice, expressive and receptive language, motor-speech skills and language-based-learning disabilities. In addition, highly experienced Speech-Language Pathologists provide intervention for adults with aphasia, accent modification services, aural rehabilitation services, social skills groups, aphasia groups and cognitive-language stimulation groups. The Speech and Hearing Center also provides community based services such as: speech-language screenings, hearing screenings, as well as

intervention in nursing homes, schools, churches and community centers.

Audiology Services include audiological evaluations, such as pure tone and speech audiometry, impedance and site of lesion testing; brainstem-evoked response testing; hearing aid evaluation: dispensing and orientation; early childhood testing; and otoacoustic emission testing. The Center provides free screenings on and off-site as well as free hearing-aid help on designated days. Complete evaluations and treatment services are offered for nominal fees. Call for information: 718-990-6480.

StormCard ID Cards

Your StormCard must be carried and used as Your PRIMARY means of identification while on St. John's University properties. It must be presented or surrendered to all St. John's personnel who request it when acting within the scope of their official University duties. Failure to comply with this type of request is a violation of the Student Code of Conduct and subjects the cardholder to disciplinary action. Your StormCard is the property of the issuer and is non-transferable. The access allowed by your StormCard is for your personal use only.

If you find a StormCard, please return it to any one of the Public Safety Officers or office. If you lose your StormCard, please report it via UIS immediately, and then proceed to the Public Safety office upon your return to campus to obtain your replacement card. If stolen, provide your police report and contact numbers, and a new card will be issued for free. If you are unable to come to campus, you may suspend your card through the UIS system, but will be required to come to a Public Safety office listed below upon your return.

Queens Campus: (718-990-6281) in the R.O.T.C. office outside of Gate 6.

Manhattan Campus: 212-277-5155 on the first floor by the security desk.

Staten Island: 718-390-4487 on the first floor inside Spellman Hall.

In Staten Island and Queens, you may receive a replacement StormCard 24 hours a day. On the Manhattan campus, 24 hour carding is not available at this time. For the replacement of a lost StormCard, there is an escalating fee which starts at \$25 initially and graduates to a maximum of \$35 for each occurrence thereafter.

Student Computing Facilities

St. John's University is committed to preparing its students with the technological skills necessary to meet the 21st-century marketplace's challenges. Under the leadership of the Information Technology Division, the University is prepared to meet the instructional needs of students and faculty through state-of-the-art academic computing facilities. Students have access to facilities that consist of several computer laboratories, over 250 technology-equipped classrooms, specialized labs, hands-on computer classrooms, and Library patron computers. For more information please use this link: www.stjohns.edu/IT

St. John's College of Liberal Arts and Sciences

Teresa Delgado, Ph.D.,
Dean

Alison G. Hyslop, Ph.D.,
Associate Dean

Brittany Dotson, Ed.D.,
Assistant Dean

Jenna Shanley, M.A.,
Assistant Dean

Maggie Panzera, M.A.,
Assistant Dean, Rome Campus

For general information regarding St. John's College of Liberal Arts and Sciences, call the Queens campus at 718-990-6271, Staten Island campus at 718-390-4412, or the Rome campus at +39 (06) 393-842.

Objectives

In harmony with the general objectives of the University, the Graduate Division of St. John's College of Liberal Arts and Sciences provides an opportunity for the development and maintenance of continuing scholarly growth for faculty and students in certain fields of academic specialization. To this end, it offers programs of advanced study in selected disciplines, provides adequate resources in support of these programs, and establishes an atmosphere of creative scholarship. This fosters the acquisition of advanced knowledge, a thorough mastery of research methods, and a spirit of searching inquiry.

The Graduate Division of St. John's College of Liberal Arts and Sciences is organized as an integral unit of the University, administered by the Dean, who shall act in conformity with University statutes and the academic policies prescribed by the departments/division(s), Liberal Arts Faculty Council, and the Graduate Council.

Academic Status

In addition to the general University policies set forth in this bulletin, the following information specifically applies to the Graduate Division of St. John's College of Liberal Arts and Sciences. Students are expected to meet all of the requirements of their academic programs and should refer to their respective departmental/divisional listings. Each student must conform to the policies stated in the Student Handbook, which may be obtained from the Division of Student Affairs.

Programs of Study

Doctor of Philosophy

Biology
Clinical Psychology
Child and Adolescent
Adult
English
World History

Doctor of Psychology

School Psychology
Bilingual
General

Doctor of Audiology

Audiology (consortium with Hofstra University and Adelphi University)

Master of Science

Biology
Biological and Pharmaceutical
Biotechnology (Institute for Biotechnology)
Chemistry
Computational Biology and Biostatistics
Environmental OMICS
Library and Information Science
Neuroscience
School Psychology
Bilingual
General

Master of Arts

Applied Mathematics, Computing, and
Machine Learning
Chinese Studies
Criminology and Justice
East Asian Studies
English
Environmental Sustainability and
Decision Making
Global Development and Social Justice
Government and Politics
American Government
Comparative Politics
International Relations
Political Theory
Public Policy and Administration

History

American
European
Global
Women and Gender

Liberal Studies

Cultural Studies (Women and Gender)
Humanities
Interdisciplinary Studies
Social Science

Museum Administration
Philosophy, Politics, and Economics
Public History
Psychology
Scientific Literacy and Integrity
Sociology
Spanish
Speech-Language Pathology
Theology
Biblical Studies
Historical and Theological Studies
Pastoral Theology

Master of Divinity

Ministerial Studies

Combined Graduate Degree Programs
Government and Politics/Library and Information
Science – M.A./M.S.
Government and Politics/Law – M.A./J.D.

Public History/Library and Information Science –
M.A./M.S.

**Please visit the College website for regular
program updates.**

The Master of Philosophy (M.Phil.) degree is available in the Biology and Clinical Psychology programs awarding a Ph.D. The M.Phil. is normally reserved for students who have advanced to candidacy in a Ph.D. program but are unable to complete the remaining Ph.D. dissertation requirements; it is intended as a formal recognition of what is informally known as A.B.D. (all but dissertation) status. Students must be advanced to candidacy for one full year before receiving the M.Phil.

The Master of Science in Biology may be awarded to Ph.D. candidates who have successfully passed their comprehensive exam.

The Master of Science in School Psychology may be awarded to Psy.D. candidates who have successfully passed their comprehensive exam.

The Master of Arts in English may be awarded to Ph.D. candidates who have successfully passed their qualifying exam.

The Master of Arts in History may be awarded to Ph.D. candidates who have successfully passed their qualifying exam.

For doctoral students in the Clinical Psychology, School Psychology, Biology, History, and English programs, registration in doctoral research (i.e., 950, 951, 975) is mandatory for each semester following the successful completion (passing) of the Doctoral Comprehensive Examination for Clinical Psychology, School Psychology, and English, or the Doctoral Qualifying Examination for Biology and History including the semester of defense of dissertation, until the candidate graduates.

Certificate Programs

Post-Baccalaureate Certificates

Students interested in these certificates must possess at least a baccalaureate degree.

- International Law and Diplomacy
- Latin American and Caribbean Studies
- Management for Information Professionals
- Public Administration
- Certificate in Social Justice for Information Professionals

Post Master's Degree Certificates

Students interested in these certificates must possess at least a master's degree:

- East Asian Cultural Studies
- Theological Studies

Certificates Offered On the Way to Degree

Application for these certificates must be made within the appropriate department:

- International Law and Diplomacy
- Latin American and Caribbean Studies
- Management for Information Professionals
- Public Administration
- Certificate in Social Justice for Information Professionals

Combined Degree Programs

The Graduate Division of Arts and Sciences, in conjunction with the Undergraduate Division of St. John's College, and the Lesley H. and William L. Collins College of Professional Studies, offers accelerated combined degree programs for highly qualified, motivated undergraduate students who demonstrate potential for graduate studies.

These students are given the opportunity to complete both the baccalaureate and master's degree in five years of full-time study by enrolling in approved graduate courses while still an undergraduate. By completing all necessary undergraduate requirements, students are assured of the bachelor's degree if for any reason they decide not to complete the master's degree.

Graduate level courses that are applied to the baccalaureate degree as part of the major may not be applied to a graduate degree should the student decide not to complete the combined degree program.

At the time of application, students must have a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in their undergraduate major, except for programs leading to the M.A. in Government and Politics, which requires 12 credits in Government and Politics. Eligibility to participate and continue in a combined degree program is determined by the Dean's Office. Undergraduate students accepted into combined degree programs choose their graduate coursework in consultation with the academic department, and the Dean's Office provides final approval. Undergraduate students may not take more than six credits of graduate coursework in a semester.

St. John's College of Liberal Arts and Sciences:

B.S./M.S.	Biology
B.S./M.S.	Chemistry
B.A./M.A.	East Asian Studies
B.A./M.A.	English
B.A./M.S.	French and Library and Information Science
B.A./M.A.	Government and Politics
B.A./M.A.	History
B.A./M.S.	Italian and Library and Information Science
B.A./M.A.	Psychology
B.A./M.A.	Psychology and Criminology and Justice
B.A./M.A.	Sociology
B.A./M.A.	Sociology and Criminology and Justice
B.A./M.A.	Spanish
B.A./M.S.	Spanish and Library and Information Science
B.A./M.A.	Theology

The Lesley H. and William L. Collins College of Professional Studies:

B.S./M.A.	Communication Arts and Government and Politics
B.S./M.A.	Communication Arts and Sociology
B.S./M.S.	Computer Science and Library and Information Science
B.S./M.A.	Criminal Justice and Government and Politics
B.S./M.A.	Criminal Justice and Sociology
B.S./M.S.	Information Technology and Library and Information Science
B.S./M.A.	Journalism and Government and Politics
B.S./M.A.	Journalism and Sociology
B.S./M.A.	Legal Studies and Government and Politics
B.S./M.A.	Legal Studies and Sociology

Consult the relevant departmental listings of this bulletin for further information on specific programs.

Pathways

St. John's College of Liberal Arts and Sciences offers pathways allowing students to streamline their study between undergraduate and graduate programs. Undergraduate students pursuing a pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the appropriate graduate program is seamless upon completion of the undergraduate degree. Students in pathways receive their bachelor's degrees once the undergraduate requirements are completed and receive their master's

degrees once the graduate requirements are completed. By completing all necessary undergraduate requirements, students are assured of the bachelor's degree if for any reason they decide not to complete the master's degree.

Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade point average (GPA) and at least 12 major credits completed at St. John's with a major GPA of 3.0. Eligibility to participate and continue in a pathway is determined by the Dean's Office. Undergraduate students participating in pathways choose their graduate coursework in consultation with the academic department, and the Dean's Office provides final approval. Undergraduate students may not take more than six credits of graduate coursework in a semester.

St. John's College undergraduate to graduate pathways include:

- B.A. Art History / M.A. Museum Administration
- B.S. Biology / M.S. Chemistry
- B.S. Biology / M.S. Computational Biology and Biostatistics
- B.S. Biology / M.S. Neuroscience
- B.S. Chemistry / M.S. Biology
- B.S. Computing and Machine Learning / M.A. Applied Mathematics, Computing, and Machine Learning
- B.S. Environmental Science / M.A. Environmental Sustainability and Decision Making
- B.S. Environmental Science / M.S. Environmental OMICS
- B.S. Environmental Science / M.A. Global Development and Social Justice
- B.A. Environmental Sustainability and Decision Making (Queens) / M.A. Environmental Sustainability and Decision Making
- B.A. Environmental Sustainability and Decision Making (Staten Island) / M.A. Environmental Sustainability and Decision Making
- B.A. Environmental Sustainability and Decision Making / M.A. Global Development and Social Justice
- B.F.A. Fine Arts / M.A. Museum Administration
- B.A. Global Development and Sustainability / M.A. Government and Politics
- B.S. Mathematics / M.A. Applied Mathematics, Computing, and Machine Learning
- B.F.A. Graphic Design / M.A. Museum Administration
- B.A. Mathematics / M.A. Applied Mathematics, Computing, and Machine Learning
- B.A. Public Administration and Public Service / M.A. Government and Politics

- B.F.A. Photography / M.A. Museum Administration
- B.A. Psychology / M.S. Neuroscience

Pathways between undergraduate degree programs in other colleges and master's degree programs in St. John's College provide additional opportunities to streamline study.

The Lesley H. and William L. Collins College of Professional Studies

- B.S. Criminal Justice / M.A. Criminology and Justice

Concerning pathways, please contact your faculty advisor, undergraduate academic dean, and the appropriate director of graduate studies. Additional information regarding specific programs can also be found in the relevant departmental listings of this bulletin.

External Pathways

St. John's College of Liberal Arts and Sciences has also established pathways with external partners. External pathway opportunities are available for undergraduates to pursue graduate study and master's students to pursue doctoral study. Each external pathway has its own admission requirements. Students interested in an external pathway should contact their home institutions for detailed information.

Please consult www.stjohns.edu/pathways for a current listing of established pathways.

Digital Badges

St. John's College of Liberal Arts and Sciences offers several graduate digital badges. Digital badges are online credentials students can display on a variety of platforms, including LinkedIn, Twitter, Facebook, and a resume or curriculum vita (CV). They demonstrate skill and knowledge in the designated area.

Courses applied to badges at St. John's may be applied to masters and graduate certificate programs within the College, with approval of the program director and Dean's office.

If digital badges are earned independently from a full graduate degree as a non-matriculated student, no federal financial aid is available for coursework.

After successful completion of courses required to earn a digital badge, the student should contact the Dean's office to receive the badge file.

The required courses for each badge are listed below:

Autism

- PSY 744 Assessment Methods for Students with Autism Spectrum Disorders
- PSY 745 Applied Behavior Analysis
- PSY 746 Single Case Design in Autism Spectrum Disorder

Behavioral Research Methods

- PSY 603 Statistical Design in Research
- PSY 604 Psychology Laboratory

- PSY 659 Psychological Measurement and Scaling

Coding and Data Science

- MTH 580 Database Management Systems
- Select one course in Computing:
 - MTH 165 Introduction to Computing with Applications
 - MTH 169 Computing with Statistical Applications
 - MTH 177 Software Systems
- Select one course in Probabilistic/Statistical Methods:
 - MTH 161 Introduction to Probability
 - MTH 163 Statistical Modeling
 - MTH 164 Statistics and Data Analytics

Computational Biology

- BIO 209 Bioinformatics
- MTH 165 Introduction to Computing with Applications
- One of the following:
 - BIO 207 Biochemistry
 - BIO 208 Molecular Biology
- One of the following:
 - MTH 172 Operations Research I
 - MTH 177 Software Systems
 - MTH 180 Computer Algorithms

Computational Mathematics for Chemists

- CHE 101 Instrumental Methods of Analysis
- Choose one course in Computing:
 - MTH 165 Introduction to Computing with Applications
 - MTH 169 Computing with Statistical Applications
- Choose one course in Model Analysis:
 - MTH 161 Introduction to Probability
 - MTH 167 Mathematical Modeling
 - MTH 173 Operations Research I
 - MTH 222 Machine Learning
 - MTH 228 Introduction to Modern Topics in Machine Learning
 - MTH 600 Topics in Applied and Computational Mathematics

Curating

Select three of the following courses:

- ART 103 Writing for Museums
- ART 105 Introduction to Curating
- ART 107 Special Topics
- ART 600 Internship

Environmental Analysis

- BIO 299 Scientific Literacy and Integrity
- CHE 202 Separation Techniques in Chemistry
- CHE 200 Environmental Chemistry

Global Development Research and Project Management

- MGD 120 Information Resources for Global Development and Social Justice Practices
- MGD 172 Project Management and NGOs
- Choose one:
 - MGD 130 Impact of International Organizations in Global Development
 - MGD 140 Economics of Development

Intercultural Competencies and Global Development

- MGD 100 Models of Intervention in Global Development
- MGD 120 Information Resources for Global Development and Social Justice Practices
- MGD 180 Media Strategy and the Politics of Peace Building

Mathematical Biology

- BIO 207 Biochemistry
- MTH 161 Introduction to Probability
- MTH 167 Mathematical Modeling

Museum Education

Select three of the following courses:

- ART 101 Introduction to Working in Museums
- ART 106 Special Topics
- ART 301 Museum as Learning Environment
- ART 600 Internship

Museum Studies

Select three of the following courses:

- ART 101 Introduction to Working in Museums
- ART 103 Writing for Museums
- ART 105 Introduction to Curating
- ART 106 Special Topics
- ART 600 Internship

School Neuropsychological Assessment

- PSY 772 School Neuropsychological Assessment
- PSY 773 Practicum in School Neuropsychological Assessment I
- PSY 774 Practicum in School Neuropsychological Assessment II

Synthesis and Characterization of Organic Compounds

- CHE 121 Advanced Organic
- Select one course:
 - CHE 227 Organic Spectroscopy
 - CHE 202 Separation Techniques
 - CHE 266 Physical Methods in Inorganic Chemistry
- Select one course:
 - CHE 238 Advanced Organic Synthesis
 - CHE 237 Bioorganic Chemistry
 - CHE 236 Natural Products
 - CHE 214 Bioinorganic Chemistry

Teaching American Politics

- GOV 205 Modern Political Research
- One three-credit course in American Politics, as listed in the current Graduate Bulletin
- EDU 7291 Innovative Strategies in Secondary Education: Social Studies, or an equivalent course in secondary teaching methodology, as defined by the Department of Curriculum and Instruction

Teaching Global Politics

- GOV 205 Modern Political Research
- One three-credit course in International Relations or Comparative Politics, as listed in the current Graduate Bulletin

- EDU 7291 Innovative Strategies in Secondary Education: Social Studies, or an equivalent course in secondary teaching methodology, as defined by the Department of Curriculum and Instruction

Teaching Political Ideas

- GOV 205 Modern Political Research
- One three-credit course in Political Theory, as listed in the current Graduate Bulletin
- EDU 7291 Innovative Strategies in Secondary Education: Social Studies, or an equivalent course in secondary teaching methodology, as defined by the Department of Curriculum and Instruction

Academic Information

Admission Requirements

Applicants must submit the following credentials in conjunction with their applications for admission:

1) Grade Point Average:

Combined Degrees: All combined degree applicants must have a cumulative 3.0 GPA and a minimum 3.0 GPA in at least 12 credits in their major, except for programs leading to the M.A. in Government and Politics, which requires 12 credits in Government and Politics.

Master's Programs: All applicants must present evidence of a 3.0 GPA and a 3.0 index in the major field of study.

Doctoral Programs: Doctoral programs have individual entrance requirements. See departmental entry.

2) Standardized Test Scores:

The following programs require submission of the Graduate Record Examination (GRE) in support of applicants for admission:

- Ph.D. Clinical Psychology: General Examination is optional for all applicants; Subject Examination (Psychology) is required of all applicants except those who majored in psychology or completed a graduate degree in psychology.
- M.S. School Psychology: General Examination required of all applicants; Subject Examination (Psychology) required of all applicants except those who majored in psychology or completed a graduate degree in psychology.
- Psy.D. School Psychology: General Examination required of all applicants, except applicants entering with advanced standing, which includes a passing score on the PRAXIS examination; Subject Examination (Psychology) required of all applicants excepting those who majored in psychology or completed a graduate degree in psychology.

Applicants to other programs may strengthen their credentials by submitting GRE scores as well.

3) Letters of Recommendation:

Master's Programs: All applicants must submit at least two letters of recommendation, except the master's programs in Psychology, School Psychology, and Speech-Language Pathology, all of which require three letters.

Doctoral Programs: All applicants must submit a minimum of three letters, at least one of which should attest to the research potential of the applicant.

4) Writing Samples/Personal Statements:

Applicants to all Psychology programs must submit two papers from psychology courses, one a laboratory paper and the other a term paper, as well as a personal statement of educational or career goals.

Applicants to the Doctor of Philosophy programs in English and World History must submit a recent sample of written work and a personal statement of professional experience and career goals.

Applicants to the master's program in Library and Information Science must submit a statement of professional purpose.

Applicants to the master's program in Speech-Language Pathology must submit a 300-word statement of career goals.

5) International students who have not received a U.S. degree will also be required to present evidence of English proficiency either through a standardized English exam or by certification from their previous institution.

6) See specific entrance requirements listed in each departmental entry.

Applicants must have sufficient academic preparation to be eligible for matriculation.

Requirements for the Doctorate

- Academic Credit Hours:** Minimum of 32 beyond the master's degree.
- Research Tool:** Foreign Language Reading Course or other appropriate research tool at the department's option. This requirement must be satisfied during the course of the program.
- Quality Point Index:** 3.0 or better for credit in each course.
- Colloquia:** See departmental entry.
- Comprehensive Examination:** Written, oral, or both. See departmental entry.
- Continuous Enrollment:** Required.
- Dissertation:** Procedures and format guidelines are available in the Doctoral Dissertation Handbook.
- Dissertation Defense:** Final oral examination.

9. Submission of Final Approved Dissertation to the Dean's Office.

Requirements for the Master's Degree

- Academic Hours:** See departmental entry.
- Quality Point Index:** 3.0 or better (good academic standing).
- Colloquia:** See departmental entry.
- Culminating Assessment (comprehensive examination, capstone, or portfolio):** Written, oral, or both. See departmental entry.
- Continuous Enrollment:** Required.
- Thesis:**
THESIS PROGRAM—Procedures are available in the Graduate Division office.
NON-THESIS PROGRAM—Not applicable.
- Defense:**
THESIS PROGRAM—Departmental option.
NON-THESIS PROGRAM—Not applicable.

Requirements for the Advanced Certificates

- Academic Hours:** See departmental entry.
- Quality Point Index:** 3.0 or better (good academic standing).
- Continuous Enrollment:** Required.
N.B. For specific requirements, see departmental entry.

Advisement and Registration Procedure

The University calendar stipulates the periods for registration. During this period, students must register for their courses in the following semester, since courses with small enrollments may be cancelled or courses with large enrollments may be closed.

Students should consult with their academic department to determine when the advisement period is scheduled and make an appointment to see their advisor during this period in order that appropriate programming may be arranged. At this time, with the counsel and approval of an advisor, a registration form will be completed. Continuing students will receive a priority code from their advisor to be used with the University's online registration system. No registration priority codes will be issued without advisor approval.

New students, students with academic holds, and undergraduate students registering for graduate courses are registered by the Dean's Office and do not receive priority codes. In order to be registered by the Dean's Office, students must submit a registration form with an advisor's signature. Any changes from the original registration form (i.e., add/drop) require a new form with an advisor's signature. Unauthorized registration may result in being withdrawn from the course.

Non-Matriculated Students

A student who has not met all the admission requirements but has, on the evaluation of the faculty and Dean, the potential to pursue graduate studies is considered a non-matriculated student. Non-matriculated students may, upon approval, take a maximum of six credits per semester for a total of 12 credits, with a grade of "B" (3.0) or better in each course. If a student, upon completion of 12 credits, is accepted into a degree program, the Committee on Admission will determine which credits will be applicable to the degree. In any case, no more than 12 credits completed as a non-matriculated student may be applied toward the degree. A non-matriculated student will not be evaluated for admission with any grade of Incomplete (INC) on the student's transcript.

A student who has met all the admissions requirements (i.e., GPA and solid academic preparation) but who wants to take graduate courses for professional development may also request to take courses as a non-matriculated student. A maximum of 12 credits is permitted as a non-matriculated student. If a student wishes to be considered for matriculation into a degree program the student must file the appropriate application. There is no guarantee that a non-matriculated student will be matriculated into a degree program.

All non-matriculated students must submit transcripts of all prior academic work, undergraduate and graduate, and complete the appropriate forms. Only those students who are qualified and possess the necessary background will be permitted to enroll in graduate courses.

Special Research

Special permission to perform research off campus must be approved by the department and the Dean's Office.

Students may enroll for special research in the summer session as well as in the regular academic year.

Transfer of Credit

The general policy of the Graduate Division of the College of Liberal Arts and Sciences pertaining to transfer of credit and advanced standing is as follows:

1. In graduate programs requiring the completion of 30–36 credits, a maximum of six credits may be transferred with the approval of the chair and the dean.
2. In programs leading to the master's or Doctor of Philosophy degree, requiring the completion of 37–54 credits, a maximum of nine credits may be transferred with the approval of the chair and the dean.
3. In programs leading to the master's or Doctor of Philosophy degree, requiring the completion of 55 or more credits, a maximum of 12 credits may be transferred with the approval of the chair and the dean.

4. Students enrolled in advanced certificate and doctoral programs may request advanced standing for coursework completed in fulfillment of a previously earned graduate degree. The number of advanced standing credits permitted is contingent upon assessment of the previously earned credit in accordance with the department and the Dean's Office. Please refer to departmental entry for further information.
5. Requested transfer credits must not have already been used in fulfillment of another degree. The student must present catalog descriptions of the graduate courses for which transfer credit is requested. No credit will be allowed for courses in which the grade attained is below "B (3.0)." Transfer grades do not affect cumulative quality points. In addition, no degree credit will be allowed for courses completed beyond the stipulated time limit ("Time Limit").

Incomplete ("INC") Grades

Students receiving an "INC" (incomplete) grade must submit all required materials no later than the deadline indicated in the Academic Calendar in the front of this bulletin. All "INC" grades not removed by the deadline will become permanent on the transcript. In some cases, it may be necessary for the student to repeat the course involved. The student must request a grade of incomplete from the professor before the end of the semester. Requests for an extension of the INC grade must be filed in the Graduate Division office. Faculty hold the prerogative in establishing a date earlier than identified in this bulletin. Please note that no more than one extension will be granted per INC grade.

Scheduling of Courses

Departments strive for accuracy with regard to the scheduling of courses. They reserve the right, however, to alter the schedule as needs may dictate. Moreover, the dean maintains the right to cancel courses when deemed necessary.

Certification of Full-time or Part-time Status

In conjunction with registration each semester, graduate students enrolling for only Master's Research (900) or Doctoral Research (950 or 975) must complete appropriate certification regarding full-time or part-time status. Psychology students enrolling in an internship must also complete appropriate certification. All Graduate Assistants and Research Assistants must complete appropriate certification attesting to their full-time status. Those students needing to be certified full-time must complete the necessary forms each semester. Full-time status as a graduate student requires nine credits (or equivalent) per semester.

Comprehensive Examination

Doctoral and master's students in all departments or divisions must pass a comprehensive examination, or submit a thesis or portfolio as specified by the department. This examination may not be taken earlier than the last semester or session of coursework and must be taken within one year of the completion of all coursework. Students must be in good academic standing (3.0 or better) and must have completed language requirements before their applications to sit for comprehensive examinations will be approved. Students may not sit for the comprehensive examination with a grade of incomplete (INC).

The examination may be oral or written or both, according to department regulations. This examination may cover general concepts as well as the whole area of the candidate's field of study.

Students must register for the appropriate comprehensive examination section as set forth by their departments. The department chair or program director reports the results of this examination by assigning the student a Pass (P) or Fail (X) grade in the appropriate course section. Failing a comprehensive examination will result in review of academic standing by the department and Dean's Office.

Candidacy

A doctoral student acquires the status of "candidate" after he or she has successfully completed: 1) all coursework excluding Doctoral Research (950 or 975) and Departmental Seminars (e.g., BIO 599) or Colloquia; 2) language and/or research tool requirements; 3) the comprehensive examination for Clinical Psychology, School Psychology, and English, or the qualifying examination for Biology and History; and 4) approval of a dissertation topic by a department faculty committee and the dean.

Doctoral Dissertation and Master's Thesis

Responsibility for a well-organized presentation of personal research, as well as the details involved, rests primarily upon the student. Some of these details are:

- 1) There is a procedure for the doctoral dissertation and the master's thesis which the student must follow. These directives can be obtained from the office of the Graduate Division of Arts and Sciences.
- 2) Each dissertation requires a mentor and a minimum of two committee members.
- 3) Each master's thesis requires a mentor and at least one committee member.

- 4) Doctoral students or master's students in a thesis program must submit a proposal for their research to the appropriate department. Upon departmental approval, the proposal and a Dissertation Approval Form or Master's Thesis Approval Form must be forwarded to the associate dean for approval and registration of the topic. The associate dean may request that additional members be appointed from outside the department to the research committee.
 - 5) Research involving human subjects requires the permission of the University's Institutional Review Board (IRB). Such permission must be sought and obtained prior to any experimentation with human subjects.
 - 6) Research to be conducted outside the University (in a hospital, laboratory or psychiatric center, for example) must have the approval of the associate dean.
 - 7) Final copies of the dissertation or thesis, bearing the approval of the mentor, must be submitted to the Graduate Division office for final approval in accordance with the dates published in the Academic Calendar.
2. The costs associated with the criminal background check will be incurred by the student and will be paid directly to the University-specified background check company. If an error occurs in the submission of the request, the student will be responsible for resubmitting the request at an additional cost.
 3. All finalized student requests will be submitted electronically to background check company. The company will then submit finalized reports for each student to St. John's Office of Human Resources for review and evaluation.
 4. In the event of a positive finding, the case will be reviewed by Human Resources, the University's General Counsel, and the Dean of St. John's College of Liberal Arts and Sciences.
 5. In the event that an offense prevents the student from progressing to the experiential components of the program, the student may be dismissed, regardless of the student's academic standing.

Insurance

Enrolled students must be covered by insurance obtained through the University or present evidence of other coverage to the treasurer's office. For example, "other coverage" may be through the student's own health insurance plan or the student may still be covered under a parent or spouse's policy. Those who apply for coverage through the University will receive an insurance identification card which must be presented upon request. All F-1 and J-1 visa students are automatically enrolled in the University mandatory medical insurance plan. See the "Student Support Services and Resources" section for more information.

Criminal Background Checks

Policy:

In order to meet the requirements of University and affiliated clinical facilities, all students in the Au.D. Audiology, M.A. Speech-Language Pathology, Ph.D. Clinical Psychology, and Psy.D. and M.S. School Psychology programs will complete a University-specified criminal background check prior to placement in the clinical learning sites. This background check will meet the requirements outlined by affiliated clinical sites and/or state law.

Procedures:

1. Prior to registration, students will complete a criminal background check. The finalized, approved background check must be received from Human Resources before the student can register.

Department of Art and Design (ART)

Programs of Study

Master of Arts (M.A.) in Museum Administration

The M.A. Museum Administration program offers opportunities for research and professional training in the history, theory, and preservation of cultural artifacts. The 36-credit program—encompassing collections, curatorial practice, education, and the application of museum-specific communication and technology platforms—requires a 18-credit Museum Administration core, a three-credit internship, and 15 credits of electives, which may be fulfilled with interdisciplinary coursework in Museum Administration, Public History, or Library and Information Science. Students may also undertake an additional three-credit internship, or final research or exhibition project. Opportunities for coursework, internship, or independent study are available in Queens, New York; Manhattan, New York; Rome, Italy; or Paris, France.

Entrance Requirements

Acceptance into the M.A. in Museum Administration requires evidence of successful completion of a B.A. with 24 credits in art history, or a major in a related area of the humanities (e.g., anthropology, communications, English, history) and

coursework in art history; a cumulative 3.0 grade point index; two letters of recommendation; and a written personal statement describing the student's interest in the program, relevant work experience, and career goals.

B.A. Art History / M.A. Museum Administration Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.A. Program in Art History and the M.A. program in Museum Administration. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

B.F.A. Fine Arts/M.A. Museum Administration Pathway

B.F.A. Graphic Design/M.A. Museum Administration Pathway

B.F.A. Photography/M.A. Museum Administration Pathway

St. John's College of Liberal Arts and Sciences offers pathways enabling undergraduate students to streamline study between the B.F.A. program in Fine Arts and the M.A. program in Museum Administration, the B.F.A. program in Graphic Design and the M.A. program in Museum Administration, and the B.F.A. program in Photography and the M.A. program in Museum Administration. Undergraduate students pursuing a pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Courses

Core Courses

101 Introduction to Working in Museums

An introduction to museums' functions and professional specializations with exposure to contemporary issues and controversies in the museum field and contact with professionals working across a range of museum disciplines. *Credit: 3 semester hours.*

102 The Modern Museum: History, Theory, Practice

The rise of modern art museums and display practices in the 20th century and 21st century are studied in light of the birth of public museums in 18th-century Europe and the rise of encyclopedic museums in the 19th century. *Credit: 3 semester hours.*

103 Writing for Museums

This course develops proficiency in techniques of writing for a variety of museum functions, introduces students to standard museum formats and individual style requirements for museum texts, and encourages critical analysis of how meaning is produced through the interplay of texts and objects in museum exhibitions. *Credit: 3 semester hours.*

105 Introduction to Curatorial Studies

Prerequisite: ART 103. This course examines the history, definition, and practice of curating, past and present. Students are exposed to the various agents who participate in exhibition-making: collectors, dealers, artists, and publishers, as well as experts in marketing, development, and technology. *Credit: 3 semester hours.*

106; 107 Topics in Museum Administration I; II

Topics courses provide a platform for a changing roster of classes dedicated to contemporary issues in art history and museum administration. *Credit: 3 semester hours per semester.*

600 Internship I

Internships provide professional experience in museums and exposure to the internal workings of an institution of the student's choice. Internship placements are initiated by students and overseen by the Program Director in collaboration with an outside mentor. *Credit: 3 semester hours.*

Elective Courses

200 Collections Management

Focusing on best practices in the field of collection management, students examine current thinking on the management and care of collections including ethical and legal issues, local to global. *Credit: 3 semester hours.*

301 The Museum as Learning Environment

A survey of theories and practices in museum education addressing issues of interpretation, learning styles, programming, audience cultivation, community outreach, and evaluation. *Credit: 3 semester hours.*

500 The Business of Museums

An overview of museum governance and administration, addressing issues of public and private accountability, strategic planning, fundraising, and community relations. *Credit: 3 semester hours.*

502 Museums and Technology in the 21st Century

An introduction to the history and function of technology in museums focusing on internal operations, as well as areas of public access including exhibitions, education, marketing, audience development, and evaluation. *Credit: 3 semester hours.*

601 Internship II

Internships provide professional experience in museums and exposure to the internal workings of an institution of the student's choice. Internship placements are initiated by students and overseen by the Program Director in collaboration with an outside mentor. *Credit: 3 semester hours.*

602 Supervised Research

Students may elect to undertake one semester of supervised research, which can be based on internship experience, the academic study of museums, or the realization of an individually-curated exhibition. *Credit: 3 semester hours.*

Maintaining Matriculation

925 Maintaining Matriculation

Master's students not registered for other courses must register for ART 925 until all degree requirements are completed and the degree is granted. *No Credit. Fee: \$100 per semester.*

For a complete listing of approved courses, please contact the Dean's Office.

Institute for Asian Studies (ASC)

The Institute for Asian Studies offers programs leading to the M.A. degree in East Asian Studies or Chinese Studies, the B.A./M.A. degrees in East Asian Studies, and the advanced certificate.

Programs of Study

Master of Arts (M.A.) in East Asian Studies

The program in East Asian Studies seeks to provide a comprehensive and critical study of the historical, social, economic, political, and cultural developments of the Asian world, both as a whole and as individual societies. To attain these ends, language courses or linguistic

studies in Chinese and Japanese are provided. The program also seeks to provide intensive knowledge of the field and experience in the critical use of sources and in the presentation of research.

Entrance Requirements

Acceptance into the program presupposes that the applicant has sufficient background in area studies and humanities. International students who have not received a U.S. degree must demonstrate English proficiency through a standardized English exam. Students are expected to have an undergraduate preparation of at least six semester hours in the field. In lieu of this, subject to departmental review, students may be accepted provided that some of their undergraduate credits are in related fields.

Program Requirements

- Two options are offered:
 - Thesis option:** the program of study consists of a minimum of 33 semester hours of coursework, six of which include master's thesis research and a written thesis. Prescribed courses include: (i) one of the following two courses—ASC 102 (Great Books from China) or ASC 300 (Introduction to Source Materials on China); & (ii) ASC 900 (Master's Research) in the East Asian field. The remainder of the program will be arranged in consultation with the student's advisor.
 - Non-Thesis option:** 33 credits. The program of study requires a minimum of 33 hours of coursework, including one of the following two courses: ASC 102 (Great Books from China) or ASC 300 (Introduction to Source Materials on China). The remainder of the program will be arranged in consultation with the student's advisor.
 - The student matriculating for the M.A. degree will choose either of these two options. It is strongly recommended that the thesis option be pursued by those students who may continue their graduate studies beyond the M.A. degree and teach on the college or university level.
- Language:** At least one semester of Chinese or Japanese or any other language pertinent to the student's major field.
- Comprehensive Examination:** A written examination will test the student's knowledge of four selected fields, areas or problems of historical scholarship. The examination may not be taken earlier than the last semester or session of coursework and must be taken within one year of the completion of all coursework, language, and residence requirements.

Master of Arts (M.A.) in Chinese Studies

The Institute of Asian Studies offers a program of graduate study in the language and civilization of China leading to the Master of Arts degree. The aim is to broaden the student's use of language skills and to provide a solid foundation in the history and culture of China. This specialized study and familiarity with research are intended to equip the student for a teaching career or for further scholarship.

Entrance Requirements

In addition to the entrance requirements for the M.A. program in East Asian Studies, the minimum background preparation for graduate study leading to the degree in Chinese Studies should also include at least one year of Chinese language studies.

Program Requirements

- Two options leading to the M.A. in Chinese Studies are offered:
 - Thesis option:** a minimum of 33 semester hours of coursework, six of which include master's thesis research and a written thesis. Prescribed courses include: (i) one of the following two courses—ASC 102 (Great Books from China) or ASC 300 (Introduction to Source Materials on China); & (ii) ASC 900 (Master's Research) in the Chinese Studies field. The remainder of the program will be arranged in consultation with the student's advisor.
 - Non-thesis option:** a minimum of 33 hours of coursework, including one of the following two courses: ASC 102 (Great Books from China) or ASC 300 (Introduction to Source Materials on China). The remainder of the program will be arranged in consultation with the student's advisor.
 - The student matriculating for the M.A. will choose either of these two options. It is strongly recommended that students who may continue their graduate studies beyond the Master of Arts degree and teach on the college or university level pursue the thesis option.
- Language:** The student is required to take 12 semester hours in the Chinese language if the student is a non-Chinese native speaker.
- Comprehensive Examination:** A written examination will test the student's knowledge of four selected fields, areas, or problems of historical scholarship. The examination may not be taken earlier than the last semester or session of coursework and must be taken within one year of the completion of all coursework, language, and residence requirements.

Advanced Certificate in East Asian Cultural Studies

Along with the increasing importance of Asia, there is a corresponding increase in demand to hire professionals with a background in Asian Studies. To meet this need, the Institute also offers a 18-credit certificate.

B.A./M.A. in Asian Studies

The Institute for Asian Studies offers an accelerated combined degree program leading to both the B.A. and M.A. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in Asian studies at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

The Chin-Ying Scholarships for Graduate Asian Studies

Established in 2005, two scholarships will be awarded annually to two graduate students, preferably of Chinese descent, pursuing a master's degree in East Asian or Chinese Studies. These scholarships are provided by Prof. and Mrs. Chin Ling Wang. Prof. Wang was a dedicated faculty member of St. John's for nearly thirty years until his retirement. Qualified applicants must possess a minimum 3.5 cumulative index. Recipients are selected by the Office of Student Financial Services with the recommendation of the Institute for Asian Studies.

Courses

Required (choose one)

102 Great Books from China

The purpose of this course is to introduce several extraordinary Chinese classics, including Lao Tzu, The Confucian Analects, and Chuang Tzu, by discussing and analyzing selected chapters. All readings are in English. *Credit: 3 semester hours.*

300 Introduction to Source Materials on China

A survey of essential bibliographies, periodicals, research aids, source materials, and books about China from prehistoric times to the present. Emphasis is placed on English-language works. *Credit: 3 semester hours.*

Elective I

103 The Art of War by Sun Tzu

The Art of War, composed probably in the 4th century B.C., is the earliest treatise on the subject. It is forever current in its wisdom and insightful analysis of military strategy and tactics, and it teaches a winning philosophy and the strategies and tactics for winning, applicable to business as well as to politics and the military. *Credit: 3 semester hours.*

104 History of Chinese Painting

This course is an introduction to the history of Chinese painting from the Tang to the Qing period (9th to 19th century). The course introduces historical elements in the styles of Chinese painting from each period. *Credit: 3 semester hours.*

354 Women in Chinese Literature

Literary works are a major source for the study of the history of Chinese society in general and Chinese women in particular; the lives and changing conditions of Chinese women are investigated through readings in poetry, fiction, and drama from the earliest times to the present. *Credit: 3 semester hours.*

359 Seminar on Chinese Literature

The course aims to examine major works of Chinese philosophy, history, poetry, prose, and fiction from ancient times to the pre-modern period. All readings are in English. *Credit: 3 semester hours.*

553; 554 Classical Chinese Civilization

An introduction to the historical development of Chinese civilization from prehistoric times to the early 19th century with emphasis on political and intellectual trends. *Credit: 3 semester hours.*

563 Seminar: China in the Modern World

An analysis of China in the 19th and 20th centuries; the erosion of the traditional political and social systems and various attempts to construct new political and social forms to meet the needs of the modern world. Emphasis is on political, economic, military, population, and social developments, but some attention is also given to intellectual and cultural changes. *Credit: 3 semester hours.*

582 Western Images of China

A survey of Westerners' impressions and perceptions of China from the earliest times to the present. Particular attention will be given to American descriptions of China and the Chinese in writings and films. *Credit: 3 semester hours.*

Elective II

CHI 118 Contemporary China

A study of the place of China in modern science, literature, architecture, the fine arts, and music, and of the political, social, and

economic problems confronting China in our times. *Credit: 3 semester hours.*

180 International Investment and Trade in China

China has become a top destination for foreign direct investment (FDI). The Chinese market is vital to the U.S. and to the world economy. The purpose of this course is to introduce students to opportunities and strategies for investments and trade in/with China. *Credit: 3 semester hours.*

254 U.S.–China Relations

A survey of the cultural, economic, diplomatic, and military relations between the two countries, from the discovery of America to the present. The emphasis will be on contemporary developments, from the Nixon administration to the present. The Taiwan issue will also be discussed. *Credit: 3 semester hours.*

349 Women and Family in Modern China: Changing Patterns of Social Relations

An analysis of the changes in the status of modern Chinese women; women's status in traditional China and the changing social and political roles of Chinese women from the late 19th century to the present will be examined in the context of modern Chinese history. *Credit: 3 semester hours.*

352 China after the Communist Revolution

The political culture and history of the People's Republic of China. Explores long-term social change and institutional development, and discusses China's current economic relations with the world. *Credit: 3 semester hours.*

541; 542 Seminar—Taiwan in the Modern World

A study of historical changes in Taiwan in the context of major world trends; internal developments of Taiwan; the influence of external forces. *Credit: 3 semester hours.*

572 Chinese Business Law

This course will explore main issues in Chinese business law since 1978. It will also discuss Chinese approaches to arbitration and dispute resolution, bankruptcy, corporate corruption, foreign investment, intellectual property, joint ventures, and taxation. *Credit: 3 semester hours.*

Elective III

121 Japan as an Economic Power

A study of political, economic, and social factors which contributed to the unusually fast development of the Japanese economy during the post-war period and its domestic and international impacts. *Credit: 3 semester hours.*

256 Banking in East Asia

Banking in East Asia: core banking functions, types of banks, diversification of banking activities, risk management issues, bank failure and financial crises, and competitive issues. *Credit: 3 semester hours.*

320 Classical Japanese Literature

A study of Japanese literature from the Yamato period to 1868, concentrating mostly on poetry and drama. *Credit: 3 semester hours.*

321 Modern Japanese Literature

An examination of Japanese literature since the Meiji Restoration in 1868. This includes discussion of the peculiar social and cultural milieu in modern Japan, with primary focus on major writers. *Credit: 3 semester hours.*

347 The United States and East Asia

International and intercultural relations from the 18th century to the present, with an emphasis on imperialism, nationalism, immigration, evangelization, modernization, globalization, and the role of ideas and images. *Credit: 3 semester hours.*

Elective IV

101 Asian American Cinema

This course introduces students to films made by and about Asian Americans. Using a chronological and thematic approach, various genres—including narrative dramas, documentaries, and experimental films—will be analyzed within the context of Asian American history and contemporary issues concerning the development of Asian American identities. *Credit: 3 semester hours.*

257 Asian American History

The aim of this course is to provide a balanced survey of the history of the major Asian ethnic groups in the United States: Chinese, Japanese, Korean, Indian, and Vietnamese. The primary focus is on developments during the past half-century. *Credit: 3 semester hours.*

258 Asian American Art

This course is a survey of the achievements of Asian American artists, beginning with the early 20th century, but concentrating on more recent developments and trends. *Credit: 3 semester hours.*

583 Asian American Literature

This course concentrates on some important Asian American novelists, short story writers, and dramatists, their major themes and their connections with the literary traditions of Asia. *Credit: 3 semester hours.*

584 Asian American Women

This course is a survey of three major groups of Asian American women—Chinese, Japanese, and Korean. The focus is on the interplay between these women's cultural heritages and the changing social environment in the United States. *Credit: 3 semester hours.*

Electives V

CHI 108 Beginning Chinese

Practice in the acquisition of pronunciation,

tones, vocabulary, and grammar. For students with little knowledge of Mandarin Chinese. *No Prerequisite. Credit: 3 semester hours.*

CHI 103; 104 Advanced Conversational Chinese

Drill in the audio-lingual skills; the learning of speech patterns, sounds, intonation, and basic vocabulary. *Prerequisite: Elementary level Chinese courses or equivalent. CHI 103 is a prerequisite for CHI 104. Credit: 3 semester hours.*

CHI 111 Readings in Contemporary Prose

Materials selected from contemporary Chinese writings of general interest. *Credit: 3 semester hours.*

CHI 203; 204 Advanced Reading in Modern Chinese

Readings from modern/contemporary Chinese texts, such as newspapers and periodicals. *Prerequisite: Intermediate level Chinese language courses or equivalent. CHI 203 is a prerequisite for CHI 204. Credit: 3 semester hours.*

CHI 210; 211 Chinese for Business Managers

This course provides students with commonly used vocabulary and idioms necessary for doing business with the Chinese. It will also discuss social etiquette in doing business. *Credit: 3 semester hours.*

CHI 305; 306 Seminar on Chinese Literature I; II

The course examines major works of Chinese poetry, prose, and fiction from ancient times to the present. The first semester concentrates on the pre-modern period, while the second semester focuses on the 20th century. *No Prerequisite. Credit: 3 semester hours.*

114 Chinese Calligraphy: Theory and Practice

This course introduces students to the essential elements of calligraphy by describing and analyzing its theoretical structure and aesthetic values. In addition to classroom lectures, several well-known calligraphers will demonstrate the uses of brushes and ink. *No Prerequisite. Credit: 3 semester hours.*

JPN 103; 104 Conversational Japanese

The aim of this course is to give the student basic training in Japanese conversation based on the Japanese grammar and vocabulary that the student has learned. *Prerequisite: Elementary level Japanese language courses or equivalent. JPN 103 is a prerequisite of JPN 104. Credit: 3 semester hours.*

Research and Comprehensive Examination

105 Comprehensive Examination

This exam tests the student's knowledge in their field. *No credit.*

900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the M.A. requirements. *Credit: 3 semester hours.*

901 Directed Readings

Supervised research on a single topic determined jointly by the student and a member of the faculty. *Credit: 3 semester hours.*

Maintaining Matriculation**925 Maintaining Matriculation**

Master's students not registered for other courses must register for ASC 925 until all degree requirements are completed and the degree is granted. *No credit. Fee: \$100 per semester.*

For a complete list of approved courses, please contact the Dean's Office.

Department of Biological Sciences (BIO)

General Entrance Requirements

Applicants should have successfully completed an undergraduate major in the biological sciences or a related field, including one year each of inorganic and organic chemistry, physics, and mathematics through introductory calculus with a "B" (3.0) or better average. One semester of either genetics, molecular biology, or biochemistry is required and a semester of each is highly recommended. Preferably, an applicant will also have one or more courses in an area of biology in which they hope to specialize.

All prerequisite courses should be completed prior to commencing graduate studies. The department may require a student to make up certain deficiencies during the first year of study. This may preclude the possibility of obtaining the master's degree within the usual two-year period.

Programs of Study

Master of Science (M.S.) in Biology

Entrance Requirements

Applicants must submit transcripts demonstrating that in completing the program described above under "General Entrance Requirements" they have achieved an overall cumulative index of "B" (3.0) including a "B" or better average in biology and the cognate sciences. Acceptance into the M.S. program in Biological Sciences presupposes that the

applicant is interested in a career in which the understanding of research objectives plays a substantial role.

International students who have not received a U.S. undergraduate degree will also be required to demonstrate evidence of English proficiency through a standardized English exam.

Program Requirements

- Courses:** The M.S. program requires a minimum of 33 credit hours of coursework including the core courses Biology 207, 208, and 212. Students may register for upper-level courses in accordance with their career goals and upon recommendation from their graduate advisor.
- Research:** Research is emphasized at all levels of graduate study. M.S. candidates are strongly advised to take at least two semesters of special research (Biology 352, 353). The thesis option requires six credits of Biology 900, the submission of a research thesis, and an oral defense, which documents a student's ability to conduct independent research.
- Seminars:** Enrollment in and attendance at the Biological Sciences Department Seminars (Biology 599 or 599A) is required every semester. Students will earn credit during a total of three semesters and no credit thereafter. At these meetings, research topics of current interest are discussed by distinguished outside speakers, faculty, and advanced graduate students.
- Graduate Research Presentations:** Enrollment in and attendance at the Graduate Research Presentations (BIO 500) are required for credit during a total of three semesters and thereafter as a no-credit course (BIO 500A). Graduate students will present their research and participate in discussions.
- Comprehensive Examination:** All students who do not elect the thesis option must pass a comprehensive examination covering current theory, application, and research in areas appropriate to their training and interests. (See "Comprehensive Examination.")
- Time Limit:** All academic requirements for the M.S. degree must be completed within five years. (See "Time Limit.")
- Academic Standing:** A 3.0 quality point average must be maintained both in the core courses and in the overall academic record. Failure to do so may result in being placed on probation or lead to dismissal from the program.

B.S./M.S. in Biology

The Department of Biological Sciences offers an accelerated combined degree program leading to both the B.S. and M.S. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA

in at least 12 credits in biology at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.S. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.S. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. Chemistry/M.S. Biology Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Chemistry and the M.S. program in Biology. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.S. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Doctor of Philosophy (Ph.D.) in Biology

Entrance Requirements

Acceptance into the Ph.D. program in Biological Sciences presupposes that the applicant is interested in and qualified for a career directing research in an academic, medical, or biotechnology setting. Students with a strong grounding in some combination of biology, chemistry, physics, mathematics, and computer science are encouraged to apply.

Admission to the Ph.D. is for the fall and spring semesters. Applications received by March 1 and October 1 will be given priority consideration for fall and spring admission, respectively.

Program Requirements

- The academic curriculum consists of a minimum of 60 credits beyond the B.S. degree. Applicants with a master's degree

in biology may apply up to 18 credits of advanced standing with the approval of the department and Dean's Office. The core curriculum consists of Biology 207, 208, 212, and at least two research rotations (BIO 550 and 551). The third research rotation (BIO 552) is optional and requires approval from the Graduate Education Policy Committee (GEPC). In each of these rotations, students are introduced to the specific techniques and the research approaches of individual faculty.

2. **Qualifying Examination.** Ph.D. students will generally register to take the qualifying exam in their third or fourth semester. In this oral examination, students demonstrate a basic knowledge of material from the core courses and how it relates to their chosen area of research specialization, which should be established by this time. Acceptable performance on this examination by the Graduate Education Policy Committee and formal acceptance of the student by a faculty mentor confers acceptance to the doctoral research level.
3. **Upper-Level Courses.** Further training consists of a series of upper-level specialized research courses leading to the development of a doctoral dissertation, and advanced seminars in which specific research questions are examined through use of experimental literature. Courses are selected by the student in consultation with faculty advisors and reflect the specific career orientation of the student. The selection of upper-level courses to be taken will be recommended by the student's research advisor and other professors. Ordinarily, a plan will be established during the first year of study. The student's thesis committee will guide the student's research and will form the nucleus of examining committees.
4. **Comprehensive Examination.** The doctoral comprehensive examination should be scheduled by the student at least one semester before their defense. This oral examination is administered by the thesis committee (jointly chosen by student and thesis mentor) to review the thesis proposal, considering both the methodological soundness of the proposed research and its significance in the light of current developments in the field.
5. **Research and Dissertation.** All doctoral students are required to take a minimum of six credits of Doctoral Research (BIO 950) and to submit a dissertation. Not more than 15 credits of Doctoral Research (BIO 950) will be counted towards the completion of the degree. Upon the recommendation of the student's advisor, Special Research (BIO 352 or BIO 353) may be taken as a preparation for dissertation research. The dissertation should embody the results

of significant original research which has been accepted for publication in two peer-reviewed scientific journals. These publications must be included in the Ph.D. thesis.

Doctoral candidates must defend the dissertation in a final oral examination before a committee of the faculty. Doctoral-level students will be expected to communicate in both oral and written presentations with clarity, organization, and accuracy. The doctoral dissertation is a major document that is expected to demonstrate high-level skills in writing and presentation as well as in the scientific context. The public defense of the doctoral dissertation is not scheduled until the candidate submits evidence to the department chair that the two manuscripts derived from the dissertation have been accepted for publication in peer-reviewed scientific journals.

6. **Seminars.** Enrollment in and attendance at the Departmental Seminars (BIO 599) are required for credit during a total of three semesters and thereafter as a non-credit course (BIO 599A).
7. **Publications.** Requirement for defense for all Ph.D. students are two accepted, peer-reviewed publications with an impact factor of 2 or above. One publication must be first authorship and represent original research. The second publication does not require first authorship and does not need to represent original research. In cases where the impact factor for either accepted manuscript is below 2, then two or more manuscripts would need to be accepted with a combined impact factor of 2 or above. The publications must be included in the Ph.D. thesis.
8. **Time Limit.** Students must complete all requirements for the degree within seven years from the date of matriculation. Degree credit may be denied for courses more than seven years old. (See "Time Limit.")
9. **Transfer Credit.** Students may seek admission to the Ph.D. program after having successfully completed some graduate work at another accredited institution. Students may request transfer of credit for this work, provided it has not been offered in fulfillment of another graduate degree.
10. **Academic Standing.** A 3.0 quality point average must be maintained both in the core courses and in the overall academic record. Failure to do so may result in being placed on probation or lead to dismissal from the program.

Special Requirements

1. All laboratory work must be done at the University unless special permission is granted by the associate dean to do research elsewhere.

2. Students may enroll for special research in the summer session as well as in the regular academic year.
3. It is strongly recommended that students plan for full-time attendance, since it is not advisable to attempt completion of this degree program by part-time study.

Candidacy

A student will be admitted into candidacy for the Ph.D. program upon the successful completion of all courses other than Doctoral Research (950), the doctoral qualifying examination, research tool requirements, and acceptance of a thesis proposal by the chair.

Assistantships and Fellowships

Master's students are eligible to apply for graduate assistantships which offer a stipend, provide tuition remission, and require service to the department. Doctoral program students are eligible to apply for doctoral fellowships which are awarded competitively based on criteria such as grades, GRE scores, effort, and progress in research. Female doctoral students who are U.S. citizens are eligible for the prestigious Clare Booth Luce Fellowships which are awarded on the basis of academic merit and are intended for women who expect to pursue careers in higher education.

Some of the biology faculty may have funds available from research grants for the support of student assistants; these awards are made by the faculty member. Interested students may consult the chair for specific information and application procedures required for any of these assistantships or fellowships.

Courses

The core curriculum is an integrated series of three courses encompassing the fundamentals of biochemistry and molecular biology in the context of prokaryotic and eukaryotic cell biology. It is designed so that BIO 207 (Core A) is taken during the fall semester, BIO 208 (Core B) in the spring semester, and BIO 212 (Core C) in the following fall semester. All students will take BIO 599 (Departmental Seminars) and BIO 500 (Graduate Seminar) for credit during the first three semesters and for 0 credits thereafter. Doctoral students beginning in the fall are required to enroll in BIO 550 (Research Rotation I) in the spring semester of their first year and in BIO 551 (Research Rotation II) during the summer between their first and second years. Doctoral students beginning in the spring semester are required to enroll in BIO 550 (Research Rotation I) in the summer of their first year and in BIO 551 (Research Rotation II) during the following fall semester of their first year.

207 Core A Biochemistry

Structure and function of biomolecules; enzymes; introduction to the organization and chemical economy of the cell; an overview of metabolism. *Credit: 3 semester hours.*

208 Core B Molecular Biology

Structure and function of DNA; protein synthesis and the genetic code; mechanisms of genetic transfer; recombinant DNA; viruses; chromosomes; gene expression and its regulation. *Credit: 3 semester hours.*

209 Bioinformatics

Information technology and computational thinking applied to biological systems, including genomics, proteomics, biological networks and graphical display of complex data sets. *Credit: 3 semester hours.*

210 Molecular Neuroscience

A broad overview of the principles governing the structure and function of nervous systems at the molecular level. *Credit: 3 semester hours.*

212 Core C Cell Biology

Integration of cellular systems through regulated transport, biological information processing, and signal transduction, with an emphasis on the current literature. *Credit: 3 semester hours.*

234 Selected Topics in Medical Microbiology

The host-microbe interaction in health and disease; role of microbial agents as biological response modifiers; the molecular basis of chemotherapy and microbial resistance to antibiotics. *Credit: 3 semester hours.*

236 Microbial/Molecular Genetics

Prerequisite: BIO 207. The focus of this course is on modes of genetic transfer, plasmids, and mobile genetic elements. Molecular techniques used in prokaryotic research will be emphasized. *Credit: 3 semesters hours.*

240 Virology

The nature and molecular biology of viruses and their relationship to the host cell. *Credit: 3 semester hours.*

248 Laboratory Techniques and Applications I

Project-based hands-on experience with a variety of modern cellular, biochemical, and molecular techniques. *Credit: 3 semester hours.*

249 Communication Skills in the Sciences

Prerequisite: BIO 207. An introduction to life science communication and the practical applications of oral and written formats of communication. *Credit: 3 semester hours.*

250 Topics in Immunology

Prerequisites: BIO 207, 208, 212. This course focuses on the organization and functions of the immune system, with a special emphasis on molecular biology and biomedical research. *Credit: 3 semester hours.*

253 Laboratory Techniques and Applications II

Second part of BIO 248. *Credit: 3 semester hours.*

275 Principles of Electron Microscopy

Corequisite: BIO 275L. This course is intended to instruct the student in the basic techniques of electron microscopy. It will also describe the analytical methods used to identify various biological systems. Cf. PHS 240. *Credit: 4 semester hours.*

275L Electron Microscopy

Corequisite: BIO 275. This course will instruct the student in the preparation of tissue for electron microscopy and the interpretation and analysis of electron micrographs. *Laboratory fee: \$60 per semester. Credit: 3 semester hours.*

299 Scientific Literacy and Integrity

Designed to assist graduate students in STEM disciplines in reading, interpreting, and discussing the responsible conduct of scientific research. *Credit: 3 semester hours.*

500; 500A Graduate Research Presentations

Students will present their research and participate in discussions. Enrollment and attendance are required of all graduate students. *Credit: 2 semester hours per semester for the first three semesters; 0 semester hours during subsequent semesters.*

599; 599A Departmental Seminar

Enrollment and attendance at this weekly seminar is required of all students. Presentations by invited speakers from St. John's and other universities and research institutions. *Credit: 1 semester hour per semester for first three semesters; 0 semester hours during subsequent semesters.*

700 Business in the Biological Sciences

This course introduces students to concepts of business such as management, marketing, finance, legal regulation, and intellectual property within the context of biological sciences. *Credit: 3 semester hours.*

708 Topics in Molecular Biology

Organization, function, regulation, and manipulation of genes at the molecular level. Applications of recombinant DNA technology to basic research medicine and biotechnology. *Credit: 3 semester hours.*

715 Yeast and Other Fungi as Experimental Organisms

The focus of the course is on molecular genetic manipulations of yeast and other fungi. *Credit: 3 semester hours.*

722 Biology of Aging

Current theories of aging. Emphasis will be on readings in one of the currently popular theories and its future development. *Credit: 3 semester hours.*

Research**350; 351 Internship in Biology**

This research course is designed for M.S. students who wish to gain research experience outside of the University. *Laboratory fee: \$60 per semester. Credit: 3 semester hours.*

352; 353 Special Research in Biological Sciences

Consists of conferences on specialized topics and accompanying laboratory work. A formal written report is required. May not be repeated. *Credit: 3 semester hours per semester. Laboratory fee: \$100 per semester.*

550 Research Rotation I

Required of all doctoral students. This course represents the first laboratory experience in a research laboratory. *Credit: 3 semester hours. Laboratory fee: \$100 per semester.*

551 Research Rotation II

Required of all doctoral students. This course consists of a second laboratory experience in a research laboratory. *Credit: 3 semester hours. Laboratory fee: \$100 per semester.*

552 Research Rotation III

This course is an optional third laboratory experience. The goal is to give the student additional research experience. *Credit: 3 semester hours. Laboratory fee: \$100 per semester.*

900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirements. Students enrolled in the thesis program are obliged to complete six credits of master's research. *Credit: 3 semester hours per semester. Laboratory fee: \$60 per semester.*

901 Independent Study

Individual study under the direction of a selected faculty member. The area of research must be approved in advance by the chair and in consultation with the supervising faculty member. *Credit: 3 semester hours.*

950 Doctoral Research

Original research leading to the doctoral degree. Doctoral students may register for 950 while completing degree requirements. However, upon the successful completion of all formal courses and qualifying examination, doctoral candidates must register for 950 until the dissertation is completed and the degree is awarded. No more than 15 credits of 950 will be counted towards the completion of the degree. All doctoral students are required to take a minimum six credits of 950 and to submit a dissertation. *Credit: 3 semester hours per semester. Laboratory fee: \$100 per semester.*

Maintaining Matriculation, Comprehensive Examination, Qualifying Examination, and Thesis Defense

105 Comprehensive Examination

This exam tests the student's knowledge in the field. *No credit.*

105Q Doctoral Qualifying Examination

Students should register for this placeholder section in the semester they will complete the qualifying examination. *No credit.*

105T Master's Thesis Defense

Master's students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

105D Doctoral Comprehensive Examination

Students should register for this placeholder section in the semester they will submit their dissertation proposal. *No credit.*

105P Doctoral Dissertation Defense

Doctoral students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

925 Maintaining Matriculation

M.S. students who do not register for other courses must register for BIO 925 until all degree requirements are completed and the degree is granted. *No credit. Fees: \$100 per semester, \$60 laboratory; Total \$160 per semester. (Students who do not use laboratory facilities may petition the chair and the dean to waive the laboratory fee.)*

940 Maintaining Matriculation

Ph.D. students who have not registered for other courses must register for BIO 940. May not be taken consecutively for more than two semesters. *No credit. Fees: \$100 per semester; \$100 laboratory; Total: \$200 per semester. (Students who do not use laboratory facilities may petition the chair and the dean to waive the laboratory fee.)*

For a complete listing of approved courses, please contact the Dean's Office.

Institute for Biotechnology (BIT)

Programs of Study

Master of Science (M.S.) in Biological and Pharmaceutical Biotechnology

A collaborative, interdisciplinary effort between the College of Pharmacy and Health Sciences and St. John's College of Liberal Arts and Sciences, the M.S. program in Biological

and Pharmaceutical Biotechnology prepares students for careers in the fastest-growing and most research-and-development intensive industries in America. Biotechnology is a collection of techniques from the disciplines of microbiology, biochemistry, and molecular and cellular biology. Biotechnology companies include the large pharmaceuticals, small start-ups, information technology firms, clinical and research laboratories, and others. All of these companies are looking for skilled, self-motivated, proficient employees.

Entrance Requirements

Applicants to the program are required to submit the following items with their admission application:

- B.S. or B.A. equivalent with a major in life sciences or physical sciences
- Official transcripts reflecting a minimum GPA of 3.0 on a 4.0 scale
- Satisfactory GRE scores
- A minimum of two letters of recommendation
- International students who have not received a U.S. degree will also be required to demonstrate English proficiency through a standardized English exam.

Program Requirements

The outlined curriculum provides a strong conceptual foundation upon which students can build the practical skills necessary to excel in this exciting field. Students must complete 33 credits, 18 of which are satisfied by the completion of the required core courses, including an off-campus internship taken in the final semester or after completing a minimum 21 credits with a 3.0 index or higher.

A student may transfer up to six graduate credits from another fully-accredited institution of higher learning to substitute for courses in the curriculum. The student should present a syllabus of the course for which he or she is requesting credit and an official transcript for the college or university to the Director of the Institute for Biotechnology. The syllabus will be evaluated by the chair of the department offering the corresponding course in the curriculum. If it is deemed to be equivalent, the student will receive transfer credit for the course.

Core Courses (3 credits each)

BIT (BIO)	207	Biomolecules and Cell Structure
BIT (BIO)	248	Laboratory Techniques and Applications I
BIT (BIO)	249	Communication Skills in the Life Sciences
BIT (PAS)	252	Biostatistics
BIT (PHS)	270	Introduction to Biotechnology
BIT	900	Internship in Biotechnology

Elective Courses (3 credits each) – Choose five from among the following:

BIT (CHE)	201	Instrumental Methods of Analysis
BIT (PHM)	203	Research Methods in Pharmacology
BIT (BIO)	208	Molecular Genetics
BIT (BIO)	209	Bioinformatics
BIT (BIO)	212	Cell Biology
BIT (PAS)	215	Foundation of Regulatory Affairs
BIT (BIO)	236	Microbial Genetics I
BIT (PHS)	250;L	Cell and Tissue Culture; Laboratory
BIT (BIO)	253	Laboratory Techniques and Applications II
BIT (IPP)	255	Biotechnological Drug Delivery Systems
BIT (PAS)	256	Principles of Experimental Design
BIT (PHS)	257	Gene Technology in the Pharmaceutical and Health Sciences
BIT (PHS)	261	Laboratory in Gene Technology in the Pharmaceutical and Health Sciences
BIT (MCM)	263	Laboratory in Analysis of Biomacromolecules
BIT 264/MCM	265	Principles of Drug Design I
BIT (PAS)	265	Scientific Inquiry: Regulation and Ethical Challenges
BIT	352	Special Research in Biotechnology

Department of Chemistry (CHE)

Programs of Study

Master of Science (M.S.) in Chemistry

The Master of Science in Chemistry at St. John's University provides a strong background in all areas of chemistry: analytical, biological, inorganic, organic, and physical chemistry. The program offers two degree options – a thesis track and a non-thesis track. Students in the thesis track conduct research with a faculty member, exploring a chemistry topic in depth, and write and defend a thesis. Students in the non-thesis track take an extra course and sit for a comprehensive examination at the end of the program (See "Comprehensive Examination"). The program provides an opportunity for original investigation in a specialized field. The master's program in chemistry may be completed through part-time study.

Entrance Requirements

The undergraduate preparation of the student who expects to undertake graduate work in chemistry is a B.S. in a chemical science. Alternately, a non-chemistry degree student may submit evidence of undergraduate preparation that normally includes courses of eight or more credit hours in each of the following: inorganic chemistry, organic chemistry, analytical chemistry, physical chemistry, and general physics. In addition, they should be equipped with six credits of mathematics, including differential and integral calculus. Where there is a deficiency, the department chair will determine what basic courses the student must make up to matriculate for an advanced degree in chemistry.

Program Requirements

- 1. Program:** Students who elect to undertake a thesis as partial fulfillment of the degree requirements must complete a total of 30 credits, comprised of 24 lecture credits and six research credits. Students who elect to meet degree requirements without undertaking a thesis must complete a total of 33 credit hours and pass a comprehensive exam.
- 2. Required Courses:** All students must pass CHE 101, 111, 121, and 141.
- 3. Research:** Students in the thesis program must take CHE 900 Master's Research (three credits). This sequence of courses requires the completion of a research problem by the student under the supervision of a staff member and the presentation of the results in the form of a written thesis.

The research topic must be approved by the research advisor, the chair, and the dean. All research must be done at the University. In rare cases, permission may be obtained from the dean to carry out a portion of the research outside the University.
- 4. Comprehensive Examination:** A written comprehensive examination is required of students in the non-thesis program. In the thesis program, an oral comprehensive examination is given that includes defense of the thesis (See "Comprehensive Examination").

B.S./M.S. in Chemistry

The Department of Chemistry offers an accelerated combined degree program leading to both the B.S. and M.S. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in chemistry at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.S. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.S. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. Biology/M.S. Chemistry Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Biology and the M.S. program in Chemistry. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.S. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Assistantships

A limited number of graduate assistantships are available for qualified students who meet all entrance requirements outlined above and in the Admission Requirements section in the front of this bulletin. The department chair and faculty will determine the responsibilities and professional development of graduate assistants.

Courses

101 Instrumental Methods of Analysis

A lecture and laboratory course on the application of modern physical and chemical techniques to chemical analysis. Emphasis is placed on the unifying principles underlying analog and digital data acquisition and evaluation. *Credit: 3 semester hours. Laboratory fee: \$100.*

105 Comprehensive Examination

This exam tests the student's knowledge in their field. *No credit.*

105T Master's Thesis Defense

Master's students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

111 Advanced Inorganic Chemistry

Atomic structure, molecular bonding and structure, intermolecular forces, acid-base chemistry, coordination chemistry, descriptive chemistry, and organometallic chemistry are discussed in detail. *Credit: 3 semester hours.*

121 Advanced Organic Chemistry

The structure, energetics and reactivity of organic compounds are discussed in detail and are explored through discussions of Molecular Orbital Theory, advanced conformational analysis, and stereochemistry. *Credit: 3 semester hours.*

141 Chemical Thermodynamics

The laws of thermodynamics with chemical applications. Heat work, thermochemistry, entropy, free energy, chemical potential, chemical equilibrium. *Credit: 3 semester hours.*

145 Physical Chemistry of Macromolecules

Biophysical chemistry and physical polymer chemistry are united into a single course of study. Key concepts and principles of both fields will be investigated. *Credit: 3 semester hours.*

200 Environmental Chemistry

An introduction to environmental chemistry, including understanding chemical equilibrium and kinetics and the influence of human actions. Additional topics include pollution, green chemistry and analysis. *Credit: 3 semester hours.*

202 Separation Techniques in Chemistry

The underlying unity of differential migration techniques applicable in the fields of chemistry, biology, and the pharmaceutical sciences is the basis for this course. Current instrumentation and new trends in separations will be discussed. *Credit: 3 semester hours.*

207 Biochemistry

See *Biological Sciences* entry.

214 Bioinorganic Chemistry

The role of inorganic elements in compounds found in living systems. Topics covered include the role of metals in the biological electron transfer reactions, oxygen transport, enzymes, metal uptake, toxicity of metals, and chemotherapy. *Credit: 3 semester hours.*

224 Mechanisms of Organic Reactions

Aliphatic nucleophilic substitution, intramolecular cationic rearrangements, carbanions, carbenes, electrophilic aliphatic substitution, addition and elimination reactions, reactions of carbonyl compounds, and radical reactions. *Credit: 3 semester hours.*

227 Organic Spectroscopy

The principles of infrared, nuclear magnetic resonance, ultraviolet and visible spectroscopy, and mass spectrometry are presented. The primary emphasis is on spectral interpretation and structure determination. *Credit: 3 semester hours.*

231 Chemistry of Organometallic Compounds

The preparation, structure, and reaction chemistry of transition metal organometallic compounds. The chemistry of ligands possessing a metal to carbon bond is examined. Mechanisms for achieving various

organometallic transformations are also discussed. *Credit: 3 semester hours.*

232 Supramolecular Chemistry

Organo-molecular interactions; non-covalent forces; synthetic systems/analytical techniques for probing same. Includes materials science, biomimetic chemistry, and nano-science. Assessed by mandatory research presentations. *Credit: 3 semester hours.*

233 Stereochemistry of Carbon Compounds

Chirality, optical activity, configurational and conformational stereoisomerism in acyclic and cyclic carbon compounds, geometrical isomerism, methods of determination of configuration and conformation are discussed. *Credit: 3 semester hours.*

236 Natural Products

The structure, synthesis, reactions, and biosynthesis of the most important naturally occurring organic compounds are developed. *Credit: 3 semester hours.*

237 Bioorganic Chemistry

This course provides an understanding of biological systems at the molecular level by applying the principles of Organic Chemistry. *Credit: 3 semester hours.*

238 Advanced Organic Synthesis

An in-depth study of modern synthetic methodologies, incorporating the elements of functional group transforms, mechanism, stereochemistry, conformational control, and strategy. *Credit: 3 semester hours.*

239 The Development of Modern Organic Chemistry

This course covers the discoveries, theories and techniques of the last 200 years, which brought organic chemistry to its present-day dramatic vigor. *Credit: 3 semester hours.*

242 Reaction Kinetics

This course involves the detailed study of the rates of chemical reactions, treatment of experimental data, theories of simple reactions, and mechanisms of complex reactions. *Credit: 3 semester hours.*

249 Quantum Chemistry

Exact solution to the Schrodinger equation for simple systems and methods of approximation for more complex systems. The application of wave mechanics to problems of chemical bonding. *Credit: 3 semester hours.*

250 Electronic Spectra and Group Theory

Theory of electronic and vibrational transitions in molecules and the spectra resulting from these transitions. Detailed discussion of group theory related to the determination of selection rules in molecular spectroscopy. *Credit: 3 semester hours.*

255 Chemical Bonding

Introduction to a quantitative understanding of chemical bonding with applications to atomic and molecular systems. The development and application of mathematical tools for classical

and quantum mechanical description of molecular phenomena. *Credit: 3 semester hours.*

260 Independent Study

Experimental research is performed under the guidance of a faculty member. Permission of the Chair required. *Credit: 3 semester hours. Laboratory Fee \$100 per semester.*

900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirements. Students enrolled in the thesis program are obliged to complete six credits of master's research. An approved research plan is required prior to registration for this course. *Credit: 3 semester hours per semester. Laboratory fee: \$100 per semester.*

925 Maintaining Matriculation

M.S. students who do not register for other courses must register for 925 until all degree requirements are completed and the degree is granted. *No credit. Fees: \$100 per semester.*

Additional courses to be offered as needed:

262; 263 Special Topics in Organic Chemistry

264; 265 Special Topics in Physical Chemistry

266; 267 Special Topics in Inorganic Chemistry

268; 269 Special Topics in Analytical Chemistry

For a complete listing of approved courses, please contact the Dean's Office.

Department of Communication Sciences and Disorders (CSD)

Programs of Study

Master of Arts (M.A.) in Speech-Language Pathology

The 54-credit Master of Arts degree program in Speech-Language Pathology offers education courses and clinical experiences leading to ASHA certification, New York State licensure, and the Professional Certificate as a Teacher of Students with Speech and Language Disabilities (TSSLD). Students may also complete the required coursework and clinical experiences for the Bilingual Extension (BE). Each student must complete either 48 course credits and a six-credit master's thesis or 51 course credits and a three-credit research project. Students must also complete a minimum 400 hours of

supervised clinical experience. All students must meet the knowledge and skills requirement for ASHA certification and the NYS license.

The Master of Arts education program in Speech-Language Pathology at St. John's University is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology of the American Speech-Language-Hearing Association, 220 Research Boulevard, #310, Rockville, MD, 20850, 800-498-2071 or 301-296-5700.

Entrance Requirements

Admission into the program requires an earned bachelor's degree (with a minimum cumulative index of 3.0), competence in oral and written communication; three letters of recommendation; a 300-word written statement of career goals; three credits of undergraduate coursework in each of the following: biology (human or animal), physical science (either chemistry or physics), and statistics; six credits of undergraduate coursework in behavioral and/or social sciences; and 18–21 credits of undergraduate coursework in the speech and hearing sciences, anatomy and physiology of speech, phonetics, language acquisition or linguistics, audiology, and speech-language pathology. Graduate Record Examination (GRE) scores are optional.

Students must demonstrate a level of English language proficiency commensurate with the demands of graduate-level academic and clinical coursework. As per ASHA's 1998 Technical Report, *Students and Professionals Who Speak English with Accents and Nonstandard Dialects: Issues and Recommendations*, students who speak with accents can effectively provide speech, language, and audiological services as long as they have the expected level of knowledge and skills, and are capable of providing needed models. International students who have not received a U.S. undergraduate degree will be required to demonstrate English proficiency through a standardized English exam. Prior to matriculation in the program, students will be required to undergo and successfully pass a Criminal Background Check (See "Criminal Background Checks").

Program-Specific Requirements

This program has specific requirements for: maintenance of a minimum GPA, student academic/clinical remediation, student professionalism, and student availability for clinical placements among others. Accepted students are provided these program-specific requirements upon matriculation into the program.

Degree Requirements

A. Required Courses: All students must complete a minimum of 42 credits including 39 credits of required courses CSD 203, 210,

314, 312, 315, 317, 318, 329, 330, 331, 354, and 381.

B. Electives Courses: Choose two elective courses for 6 credits: CSD 320, 321, 322, and 340.

C. Research: Students must complete research in one of three ways: 1) complete CDS 201; 2) complete CSD 201 and CSD 452 as a three-credit research project; or 3) complete a six-credit master's thesis (a 3.5 GPA is required and this replaces two elective courses.)

D. Residency: Each student must satisfy a full-time residence requirement (a minimum of nine credits) during one academic semester, excluding summers.

E. Practicum: Students must complete a minimum of 400 hours of supervised clinical experience, distributed among broad categories of communication disorders across the lifespan. A student may apply a maximum of six credits of practicum toward the 54 credits required for the degree (CSD 405, 406, 407 and 408).

F. Comprehensive Examination: Students are required to pass a written comprehensive examination during the last semester of coursework, unless they are enrolled in CSD 900 Master's Thesis Research.

Certificate: Teacher of Students with Speech and Language Disabilities

Students will be eligible to obtain a Certificate as Teacher of Students with Speech and Language Disabilities (TSSLD) issued by the New York State Department of Education provided that they meet the education, practicum (student teaching), and observation requirements. The M.A. program coursework meets requirements for the TSSLD certificate, and students who complete the degree, including CSD 407, will be endorsed for certification.

Bilingual Extension

Students may also complete the necessary coursework for institutional recommendation to the New York State Department of Education for the Bilingual Extension Certificate (BE). This extension is required to work with bilingual students in public schools in New York State. Students seeking institutional recommendation for the BE must complete nine additional credits: CSD 325, EDU 9001 and either EDU 9003 or EDU 9005. In addition, students must engage in a minimum of 50 student teaching hours with bilingual students. Student teaching hours with bilingual students may be completed during the CSD 407 practicum placement. Additional New York State testing is required for the student to receive the BE from the State of New York and

is not part of the BE option (student completes them on their own).

Doctor of Audiology (Au.D.)

The Long Island Au.D. Consortium

Three academic institutions on Long Island –Adelphi, Hofstra, and St. John's Universities –have joined together to offer their combined resources for a ground-breaking Doctor of Audiology program. Students have access to the resources of all three schools, including the laboratories, equipment, faculty, and externship sites. The objective of this clinical program is to produce highly-skilled practitioners who have the ability to perform the wide variety of diagnostic, remedial, and other critical services included within the scope of practice for audiologists to meet the ASHA requirements for certification.

Each audiology doctoral student selects a home university, but the Audiology faculty reserves the right to assign students to another campus to balance enrollment among the participating universities, as needed. The home institution maintains student transcripts, provides advisement, and monitors ASHA certification and New York State licensing requirements. The home institution awards the degree, noting that it was completed in conjunction with the two other universities. All coursework and practica are administered through the consortium. Admission to the Au.D. Consortium Program requires completion of a bachelor's degree from a regionally accredited institution. Applicants are admitted based on established admission criteria. One applies for the Au.D. program through Adelphi University.

The curriculum includes advanced coursework in vestibular assessment, hearing aid technology, early intervention, and electrophysiology. Consistent with the 2020 Standards for the Certificate of Clinical Competence in Audiology (CCC-A) described by ASHA, the program of study for the Au.D. consists of a minimum 86 post-baccalaureate semester credit hours of academic coursework, including a minimum 12 months full-time equivalent of supervised clinical practicum in the requisite areas of foundations of practice, prevention and identification, assessment, (re)habilitation, advocacy/consultation, and education/research/administration.

Please refer to the Long Island Doctor of Audiology Consortium Handbook for academic policies and procedures.

Facilities

The Speech and Hearing Center, located off campus at 152-11 Union Turnpike, serves as a training facility for students while providing diagnostic and remediation services to the community. It has substantial resources including tests, materials, and instrumentation necessary to provide required practicum experiences. The Center is open six days a

week, including evenings. More than 100 outside facilities, including medical centers, hospitals, schools, day care centers, and nursing homes also serve as externship sites for students, providing experience in a variety of settings.

Courses

M.A. in Speech-Language Pathology

201 Introduction to Research Methods

Prepares students to become well-informed consumers of research. Principles and practices of scientific research, including experimental design, statistical methods, and application to clinical practice. *Credit: 3 semester hours each semester.*

203 Models of Language Behavior

Psycholinguistic theories of language and speech development, including syntax, semantics, and pragmatics. Relation between language and cognition, including attention, perception, storage, and retrieval. *Credit: 3 semester hours.*

210 Origin and Assessment of Speech-Language Problems

Assessment of speech and language disorders including developmental status, differential diagnosis, use and limitations of standardized instruments, scoring and interpretation, and application of dynamic assessment procedures. *Credit: 3 semester hours.*

308 Voice and Fluency

Normal and abnormal adaptation of voice and fluency across the lifespan; materials and instrumentation for voice and fluency assessment and intervention. *Credit: 3 semester hours.*

312 Motor Speech Disorders

Understand the basic neuromuscular systems and pathological disturbances, acquired and developmental causes, and diagnosis, treatment, and management of motor speech disorders. *Credit: 3 semester hours.*

314 Disorder of Articulation and Phonology

Theories of the etiology, diagnosis and therapeutic management of functional and organically-based articulatory and phonological impairments. Normal and impaired development of the articulatory and phonological systems will be covered. Speech impairments in individuals with cerebral palsy and cleft palate will be discussed. *Credit: 3 semester hours.*

315 Augmentative and Alternative Communication

Alternate communication systems for individuals across the range of communication handicaps, including sign systems,

communication boards, electrical-mechanical aids, and other assistive technologies. *Credit: 3 semester hours.*

317 Acquired Language Disorders

Syndromes of language impairments resulting from neurological damage. Includes differential diagnosis and rehabilitation of pathologies in the adult population (e.g., aphasia, traumatic brain injury, and right hemisphere disorder). *Credit: 3 semester hours.*

318 Developmental Language Disorders

Characteristics, assessment, and treatment of language disorders in children resulting from syndromes, autism, receptive/expressive language problems, cognitive deficits, and social/pragmatic deficits, using evidence-based criteria. *Credit: 3 semester hours.*

320 Language-Based Learning Disabilities

Cognitive and linguistic foundations of literacy development. Differential diagnosis and intervention methods for language-based learning disabilities, such as dyslexia. Theories, models, and contemporary issues are reviewed. *Credit: 3 semester hours.*

321 Assessment and Intervention of Infants, Toddlers, and Pre-School Children

This course focuses on typical and atypical development of children from birth to five years, including cleft lip and palate. Aspects of physical, cognitive, speech/language, feeding, and social-emotional development are covered. *Credit: 3 semester hours.*

322 Communication Problems of Geriatric Persons

Study of the speech, language, cognitive, and hearing difficulties challenging the geriatric population. Primary focus on prevention, assessment, and treatment/management of cognitive-communication disorders. *Credit: 3 semester hours.*

325 Studies in Bilingualism

Theories of bilingual first and second language acquisition and bi-dialectal use for speech, language, and literacy skills in typical and atypical development across the lifespan. *Credit: 3 semester hours.*

329 Neurobiology of Speech and Language

Functional classification and principles governing brain function; levels of organization of speech motor function; clinical/diagnostic technologies in medical speech-language pathology and research. *Credit: 3 semester hours.*

330 Speech-Language Pathology Practice in Educational Settings

Implementing speech-language services in schools. Service delivery models; education

law; due process; strategies for effective participation in services for speech- and language-impaired students. Includes 15 hours of observation. Required for students enrolled for the NYS TSSLD. *Credit: 3 semester hours.*

331 Principles of Dysphagia

Swallowing physiology; behavioral and mealtime correlates of swallowing; associated diagnoses and conditions; evaluation methods; treatment and management; clinical decision-making and counseling. *Credit: 3 semester hours.*

340 Special Topics in Speech-Language Pathology

The course is devoted to the in-depth study of areas of speech-language pathology to which no standard course is dedicated and whose study is felt to be warranted. *Credit: 3 semester hours.*

341 Management of Pediatric Dysphagia in a Developing Country

Anatomy and neurophysiology of normal swallowing and pathophysiology in infants and children. Assessment, treatment, management, and models of delivery in the U.S. and in a developing country. *Credit: 1 semester hour.*

343 Global Perspectives on Communication Disorders

How societal expectations, parenting styles, social resources, access to information and education/therapeutic services influence developmental outcomes when a communication disorder exists. *Credit: 1 semester hour.*

354 Habilitation of Children Who Are Deaf or Hearing Impaired

Theories of language, speech production, and perception of children with hearing loss. Current approaches to assessment, speech training, and the use of sensory aids including computer-based devices and cochlear implants. *Credit: 3 semester hours.*

381 Cultural Diversity in Speech-Language Pathology and Audiology

Methods of assessment and intervention focusing on alternate practices that address the impact of diversity on language, speech, and literacy skills in multicultural and multilingual populations. *Credit: 3 semester hours.*

405; 406 Speech-Language Pathology Practicum I; II

Clinical evaluation and remediation of disorders of speech and language; on- and off-campus sites; children and adults. Approximately 50-60 hours of direct clinical practice. Sufficient background in coursework required. *Credit: 1-3 semester hours.*

407 Practicum in Speech-Language Pathology in Educational Settings

Prerequisite: CSD 330. School-based practicum (student teaching). Minimum 150 hours of direct contact. Authorization of Completion Letter must be filed with the NYS Department of Education for this experience to fulfill requirements for state teacher certification. *Credit: 2 semester hours.*

408 Speech Pathology Practicum in Adult Setting

Clinical evaluation, treatment, and remediation of disorders of speech, language, cognition, and swallowing; off-campus site with adults. Minimum 150 hours of direct clinical practice. May be repeated for a maximum three credits. Sufficient background in coursework required. Must register with clinical coordinator. *Credit: 2 semester hours.*

CSD 440 Advanced Research Methods

Students will engage in the direct analysis and graphing of data. Emphasis will be on the application of evidence-based practice principles to the evaluation and design of identification and treatment studies in CSD. *Credit: 3 semester hours.*

CSD 452 Special Research in Speech-Language Pathology

Students will design and carry out an independent research project. *Credit: 3 semester hours.*

105 Comprehensive Examination

This exam tests the student's knowledge in their field. *No credit.*

105T Comprehensive Examination

Master's students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

Doctor of Audiology (Au.D.)

Required Courses

501 Advanced Audiology

This course will integrate theoretical and practical aspects of audiologic assessment. The standard audiometric battery (pure tone air and bone conduction testing, speech testing, and acoustic immittance testing) will be presented in detail, preparing students with the skills necessary to administer these tests and to interpret test results. Current ASHA documents concerning the scope of practice of audiology, practice patterns in audiology, and guidelines for audiometric assessment and screening will be discussed. An overview of selected topics in audiology with discussion of other specialized diagnostic audiometric tests will also be provided. *Credit: 3 semester hours.*

502 Research Methods

This course will prepare students to become well-informed consumers of research. Students will learn the principles and practices of research, including experimental design, statistical methods, and application to clinical practice. *Credit: 3 semester hours.*

503 Anatomy, Physiology, and Neurology of the Auditory and Vestibular Mechanisms

This course will provide a description of normal anatomy and neuroanatomy of the auditory and vestibular systems. Theories of physiology and the effects of certain pathological conditions on normal physiology will also be discussed. *Credit: 3 semester hours.*

504 Auditory Pathologies

Students will gain knowledge and understanding of the pathologies in the auditory system, their audiological and medical diagnosis and treatment. Emphasis is placed on the differential diagnosis of auditory, cortical, and vestibular pathologies using behavioral and electrophysiologic techniques. *Credit: 3 semester hours.*

505 Psychoacoustics

This course provides an advanced level of study of the psychoacoustic principles involved in the practice of audiology. Laboratory exercises in the topic areas are required. *Credit: 3 semester hours.*

506 Genetics

This course explores embryologic development and various teratogenic agents that affect development, particularly those related to genetic mutations affecting speech, language, and/or hearing. The application of clinical and molecular genetics to the diagnosis and treatment of syndromic and non-syndromic communication disorders will be discussed. The clinical features of genetic syndromes and disorders associated with speech, language, and hearing disorders will be described, and management strategies will be introduced. *Credit: 3 semester hours.*

507 Aural Rehabilitation

This course provides an advanced level of study of the effects of hearing loss, noise, and reverberation on the process of auditory (and auditory-visual) speech perception. Also discussed are the factors involved in amplification selection (including cochlear implants) and the benefits of assistive listening devices and sensory aids. Issues concerning the Deaf and Deaf Culture are covered, but the emphasis of the course is on auditory approaches to aural (re)habilitative assessment and intervention. *Credit: 3 semester hours.*

508 Acoustics and Instrumentation for Audiologists

Students learn fundamental concepts of acoustics in clinical audiology practice and its related clinical and research instrumentation. Topics related to sound measurement, noise

legislation, and hearing conservation are also discussed. Laboratory exercises required. *Credit: 3 semester hours.*

509 Speech-Language Pathology for Audiologists

This course will provide students with an appreciation of the diversity of speech and language disorders across the lifespan, and the relationship of cultural factors to communication and speech and language disorders. Students will learn to identify symptoms and behaviors associated with specific speech and language disorders and will be prepared to screen for same and to make appropriate referrals for more comprehensive evaluations. *Credit: 3 semester hours.*

510 Amplification I

This course will provide a background on the effects and management of hearing loss using amplification. Hearing aid design, electroacoustic characteristics of hearing aids, and recent advances in hearing aid technology will be covered. State and Federal hearing legislation, including current ASHA guidelines on amplification systems will be discussed. Circuit options and components of personal hearing aids will be studied in detail. Laboratory exercises in the areas of electroacoustic analysis, otoscopic examination, and earmold acoustics/impressions/modifications will be required. *Credit: 3 semester hours.*

511 Pediatric Audiology

This course will provide an advanced level of study of the audiological principles and practices specific to children. Topics will include embryological and fetal development of the auditory and vestibular structures; the development of auditory behavior; identification audiometry; and pediatric audiological evaluation procedures, including behavioral protocols, immittance testing, ABR testing, and OAE testing. Counseling families with hearing-impaired children will also be covered. Lectures will be accompanied by laboratory exercises, allowing students to make informed decisions about test protocol selection and implementation for the pediatric client. *Credit: 3 semester hours.*

512 Electrophysiology I

Procedures for evaluating the auditory system in children and adults, including the recording techniques, interpretation, clinical application, and synthesis of results using auditory evoked potentials will be covered. This will be accomplished via lectures and hands-on workshops. Students will be required to perform laboratory exercises and demonstrate proficiency in performing each test. Case examples will be studied. *Credit: 3 semester hours.*

513 Electrophysiology II

This course will provide an in-depth discussion of otoacoustic emissions: principles and clinical applications; middle-latency auditory

evoked potentials; basic issues and potential applications; and late cortical event-related potentials to auditory stimuli. Basic issues and potential applications. *Credit: 3 semester hours.*

514 Amplification II

This course will provide students with an understanding of the principles and practices of hearing aid dispensing, including assessment for candidacy, prescriptive fitting protocols, validating and verifying hearing aid outcomes, and considerations in special populations and audiometric configurations. *Credit: 3 semester hours.*

516 Central Auditory Processing

This course will describe the anatomical and neurophysiological aspects of auditory processing. The course will discuss the nature and causes of auditory processing disorders, including their symptomatology, assessment, treatment, clinical management and referrals. The impact of auditory processing disorders on language and learning will be discussed and recommendations for maintaining treatment efficacy data will be presented. *Credit: 3 semester hours.*

517 Advanced Research Seminar

This seminar is designed to assist the Level 3 AuD student in formulating, developing and executing a clinical research project. Concepts of research design and statistical analyses will be discussed with regard to individual projects in seminar fashion. *Credit: 3 semester hours.*

518 Vestibular Assessment and Management I

This course will provide a theoretical understanding and practical knowledge of the vestibular system, and its objective diagnosis via Videonystagmography (VNG) and Electronystagmography (ENG). This is accomplished via lectures, demonstrations, and hands-on laboratory workshops using VNG instrumentation. *Credit: 3 semester hours.*

519 Cochlear Implants

This course is designed to give students an understanding of the medical, surgical, engineering, and audiological aspects of cochlear implants, including speech processor programming, and the (re)habilitative programs and strategies used with infant, child, and adult implant recipients. *Credit: 3 semester hours.*

521 Amplification III

This course provides an advanced level of study of hearing aid design and selection. Concepts and procedures introduced in Amplification I and Amplification II will be expanded upon, and verification and validation methods associated with advanced technology will be discussed and demonstrated. Laboratory exercises in the topic areas will be required. *Credit: 3 semester hours.*

522 Vestibular Assessment and Management II

Evaluation of balance function beyond electronystamography including Rotational and Posturographic tests, and Vestibular Evoked Potentials; programs and protocols for vestibular rehabilitation will also be detailed. *Credit: 3 semester hours.*

541 Intraoperative Monitoring: Audiology in the Operating Room

This course is designed to introduce the advanced audiology student to the growing field of neurophysiologic intraoperative monitoring. The course will present the anatomic and physiologic bases of monitoring for spine, neck, cranial, and cardiothoracic and peripheral nerve surgeries. SSEP, MEP, ABR, CNAP, CMAP, and EMG tools; the evaluation of the data from these tools; and the effects of surgical, patient, and anesthesia control on the interpretation of these data. *Credit: 1 semester hour.*

544 Business Practices in Audiology

This course examines planning and execution of a comprehensive, quality, cost-effective private practice in audiology. Content includes variables such as the physical layout, location, organization, and marketing of a private practice. Methods of procuring instrumentation, retaining patient populations, and the business of audiology including hearing aid dispensing will be discussed. *Credit: 3 semester hours.*

546 Pharmacology/Ototoxicity

This course explores theories in pharmacology including drug absorption, bioavailability, administration and treatment, mechanisms of interaction, and toxicity related to the ear, hearing and the vestibular mechanism. Methodologies and technologies for monitoring use of ototoxic medications will be explored. *Credit: 3 semester hours.*

547 Cerumen Management

This course will provide students with the knowledge and skills necessary for proficiency in cerumen management. In accordance with ASHA 1992 guidelines, students will acquire practical, supervised training in the use of hand-held, video, and pneumatic Otoscopy, recognition of the external auditory canal (EAC) and tympanic membrane (TM) condition, and removal of cerumen when it can be performed comfortably and safely. *Credit: 1 semester hour.*

549 Counseling in Audiology

This course will provide students with the knowledge and skills necessary to conduct effective audiologic counseling to patients and their families/caregivers based on individual patient need and cultural sensitivity. Counseling techniques will be tailored to specific audiologic diagnoses and services. *Credit: 3 semester hours.*

550 Current Issues in Audiology

This course provides students with an in-depth discussion of current and relevant topics in

audiology with some invited lectures. Topics include, but are not limited to: auditory neuro-anatomy, geriatric audiology, tinnitus management, deafness, global audiology, multicultural and bilingual audiology, legislation, and inter-professional education. *Credit: 3 semester hours.*

560 Clinical Instruction in Audiology

This course is designed to introduce the student to the basic principles and procedures involved in assessment of the auditory system and rehabilitation of auditory disorders. Students will learn clinical procedures for conducting a diagnostic behavioral evaluation using pure tone, speech and Immittance audiometry. Procedures for the various tests will be described and students will begin to gain hands-on experience in their home institution clinics. Interpretation of clinical data and generating a diagnostic statement and recommendations will be stressed. Issues involved in counseling and taking case histories for diverse populations will be addressed. Various professional and legal issues, such as licensure and certification requirements, Code of Ethics, and confidentiality will be discussed. *Credit: 3 semester hours.*

561; 562 Clinical Practica in Audiology: In-House

Study the development of advanced clinical and rehabilitative audiology skills, the clinical application of theory and concepts obtained in advanced audiology coursework. Seminars: open discussion forums encouraging discussions on specific clinical problems, disorders, situations, case resolutions, and diagnoses they have been involved with at their various placements. *Credit: 1 semester hour each.*

563; 564; 565 Clinical Practica in Audiology

Study the development of advanced clinical and rehabilitative audiology skills, the clinical application of theory and concepts obtained in advanced audiology coursework. Seminars: open discussion forums encouraging discussions on specific clinical problems, disorders, situations, case resolutions, and diagnoses they have been involved with at their various placements. *Credit: 1 semester hour each.*

568 Clinical Practicum in Speech-Language Pathology

Supervised clinical practice in speech-language pathology. *Credit: 1 semester hour.*

570 Clinical Externship in Audiology

This seminar course, conducted during the clinical externship experience, is designed to supplement the student's understanding of the advanced principles and practices of diagnostic audiology, balance disorders, audiologic (re) habilitation, electrophysiological measures and audiological counseling. Further seminar discussion will include review of

ASHA guidelines/requirements and New York State license requirements for practicing Audiologists. Seminar will include but is not limited to discussion and presentation of audiologic cases from routine to challenging. *Credit: 3 semester hour.*

For a complete listing of approved courses, please contact the Dean's Office.

Department of English (ENG)

Programs of Study

English graduate studies at St. John's feature combined Bachelor of Arts/Master of Arts (B.A./M.A.), Master of Arts (M.A.), and Doctor of Philosophy (Ph.D.) degree programs. We offer courses in traditional and emerging fields of literature, cultural studies, critical theory, creative writing, and writing and composition studies. All English graduate courses are seminars taught by research faculty who are committed to teaching and mentoring graduate students. The M.A. and Ph.D. programs are designed for both full-time graduate students and for professional educators, administrators, and writers who want to pursue an advanced degree part-time. The English graduate curriculum offers students the flexibility to develop individualized programs of study that meet their intellectual and professional goals. Because the number of required courses for each program is limited, the curriculum appeals to students seeking either broad exposure to advanced English studies or more intensive concentrations in specific fields. Among the areas of study are British and American literary history, creative writing, composition studies, and interdisciplinary fields such as American studies, critical race and ethnic studies, gender studies, and postcolonial studies. The department also sponsors a student-edited journal, *The St. John's Humanities Review*, and hosts an annual Graduate Student Conference.

B.A./M.A. in English

The Department of English offers an accelerated combined degree program leading to both the B.A. and M.A. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in English at St. John's University are encouraged to apply. Students accepted into the program typically complete 15 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please

consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Master of Arts (M.A.) in English

The M.A. program in English is designed for students interested in a broad but intensive engagement with literary and cultural studies, creative writing, and composition studies. Recent graduates of the M.A. program have received fellowships for doctoral study at some of the best graduate programs in the U.S. and abroad. Other graduates have been accepted at prestigious law schools, established careers in publishing and editing, and obtained tenure-track secondary school teaching positions.

The English master's degree curriculum offers students the opportunity to develop programs of study that meet their intellectual and professional goals. Because there is only one required foundational course (ENG 100 Modern Critical Theories), the program provides flexibility for students seeking either broad exposure to advanced English studies or more intensive concentrations in specific fields. The capstone for the M.A. is either a portfolio of graduate work, containing representative essays and a critical synthesis, or master's thesis, which fulfills three M.A. credits. Students who plan to write a thesis should register for ENG 900 Master's Research.

Entrance Requirements

1. Applicants must present a minimum of 24 credits in English.
2. Applicants must have a cumulative G.P.A. of 3.0 and a G.P.A. of 3.5 in English courses.
3. Graduate Record Examination (GRE) scores are optional.
4. Applications must submit three letters of recommendation, two of which need to be academic letters attesting to the applicant's work as a student.
5. Applicants must also submit a recent sample of written work, as well as a personal statement detailing the student's academic and professional goals.

Program Requirements

Students must take a minimum of 33 credit hours, and those receiving Graduate Assistantships can receive tuition support up to but not beyond 33 credits. If students opt to write a master's thesis in their final year of the program to fulfill three of these credits, they should register for ENG 900 Master's Research.

The only course required of all M.A. students is ENG 100 Modern Critical Theories, which should be taken during the student's first year of study. Otherwise, students are free to choose courses that suit their needs and interests. All courses in the English graduate

curriculum are open to students in the M.A. program. The capstone for the M.A. is either a portfolio of graduate work, containing representative essays and a critical synthesis or a master's thesis.

Assistantships

A limited number of graduate assistantships are available on a competitive basis through the English department. These assistantships provide tuition remission and a stipend in exchange for various work assignments in the department. New students who are interested in an assistantship should indicate their interest on the application form and include the assistantship application essay. Current students should submit a full graduate school application, including a statement of purpose, two letters of recommendation, and a writing sample to the English Chair. The deadline for assistantship applications is February 15.

Doctor of Philosophy (Ph.D.) in English

The Ph.D. program in English is a terminal degree that combines advanced study in literary and cultural studies, creative writing, and composition studies. Courses and research prepare students for English and interdisciplinary college teaching as well as professional fields that value the advanced degree. The program is designed for both full-time graduate students and professional educators, administrators, and writers who want to pursue a doctoral degree.

After completion of 48 credits of coursework, Ph.D. students, in consultation with department faculty, design three exam areas in fields the student wishes to claim as areas of specialization. Following successful completion of the exams, the student works with a committee of three or more faculty on a dissertation to be defended orally.

Entrance Requirements

1. Applicants must present verification of their completion of a bachelor's degree, with a minimum of 24 credits in English.
2. Applicants must possess at least a cumulative G.P.A. of 3.0 and a 3.5 in English courses.
3. Graduate Record Examination (GRE) scores are optional for the Ph.D. program.
4. Applicants possessing a recent master's degree with at least 15 graduate credits in English and an index of at least 3.5 in these courses can receive advanced standing up to 18 credits, as determined by the Department's Admissions Committee and the Dean.
5. Applicants must submit three letters of recommendation, two of which need to be academic letters attesting to the applicant's work as a student.
6. Applicants must also submit a recent sample of written work, as well as a personal statement detailing the student's academic and professional goals.

Program Requirements

1. The Ph.D. degree entails 48 credits of coursework and six credits of dissertation research, for a total of 54 credits. Applicants with a recent M.A. or M.F.A. in English may receive up to 18 credits of advanced standing with approval of the department and Dean's office. Students in the program must maintain a minimum GPA of 3.0; courses for which the student receives a grade lower than a "B" will not count towards the degree.
2. Students must take ENG 100: Modern Critical Theories and ENG 110: Introduction to Graduate Studies. The student determines all remaining courses in consultation with a faculty mentor.
3. All students must demonstrate proficiency in a foreign language prior to taking their comprehensive exams by one of the following: 1) a grade of "B (3.0)" or better in an advanced college-level language class that requires reading proficiency in the language (3000-level or above at St. John's or the equivalent at another college or university, with the approval of the graduate program director); 2) successful completion of a translation exam administered by the English faculty.
4. Upon successful completion of coursework, students must pass an oral comprehensive examination. The student selects three graduate faculty to serve on the student's exam committee, who then work closely with the student to design three areas of specialization. The student, in consultation with this committee, assembles a reading list of approximately 25 books and critical essays for each of the three exam areas. In addition to providing an opportunity for the student to demonstrate mastery in these exam areas, the comprehensive exam serves as preliminary research for the dissertation.
6. After successfully completing the comprehensive examination, the student will undertake the dissertation for a minimum of six credits. Students complete these six credits by attending the Dissertation Writing Workshop for one semester to earn three credits, and then by registering for ENG 975 each semester until the dissertation is successfully defended. Students pursue a topic that allows them to conduct research an original problem in contemporary scholarship in English.

Fellowships and Assistantships

Doctoral fellowships and graduate assistantships are available on a competitive basis through the English department. These positions provide a tuition waiver and a stipend, and offer the opportunity to be a research assistant, work on *The St. John's Humanities Review*, or teach one course per semester. New

students who are interested in a fellowship or assistantship should indicate their interest on the application and include the assistantship application essay.

Courses

100 Modern Critical Theories

Graduate-level introduction to the key concepts and thinkers of the twentieth century in literary theory, from structuralism onward. *Credit: 3 semester hours.*

110 Introduction to Graduate Studies

An introduction to the tools and techniques for scholarly research, strategies for successful academic writing, and pedagogical models and methods. *Credit: 3 semester hours.*

120 Composition Theory and the Teaching of Writing

Overview of the histories and theories of composition studies. Examines key historical and contemporary theories and effective practices for teaching writing at the postsecondary level. *Credit: 3 semester hours.*

130 Theories of Literacy

Critical examination of social and linguistic perspectives on literacy. Focuses on sociocultural and linguistic diversity, its relation to the origins and development of schooling, and the implications of such diversity for contemporary literacy instruction and evaluation. *Credit: 3 semester hours.*

135 Critical Issues in the Teaching of Writing

A course considering significant and/or timely theoretical, historical, and pedagogical issues in the teaching of writing. *Credit: 3 semester hours.*

140 Topics in Theory

This course gives students a deeper framework into theoretical interventions and conversations on pedagogy, discourse, literature, rhetoric, and other topics central to English graduate study. *Credit: 3 semester hours.*

141 Writing in the Academy

This course introduces students to the history and current status of English studies' involvement in writing instruction beyond first year and general education composition courses. *Credit: 3 semester hours.*

150 Critical Race Theory

A critical examination of literature, laws, institutions, and cultural forms that have shaped categories of race and racially-based norms. *Credit: 3 semester hours.*

152 Research Methods in English Studies

This course examines advanced research and writing in English Studies broadly construed, including digital humanities and social science protocols. *Credit: 3 semester hours.*

170 Authorship, Ownership, Appropriation, and Remix

This course will consider how boundaries of authorship are tightened, maintained, or expanded as texts are created, owned, shared, stolen, and/or exchanged. *Credit: 3 semester hours.*

180 African-American Literacies and Education: Eighteenth and Nineteenth Centuries

This course examines the educational practices of African-Americans from formal schooling, to methods of reading and writing, and to literary societies and associations. *Credit: 3 semester hours.*

185 African-American Literacies and Education: Twentieth and Twenty-First Centuries

This course examines African-American sociopolitical ways of reading and writing words and world over the last two centuries and their implications for education. *Credit: 3 semester hours.*

190 Digital Pedagogy

Introduces students to methods and theories of digital pedagogy and online learning. May be taught as a hybrid online course. *Credit: 3 semester hours.*

195 Digital Literary Studies

Investigates how digital technologies impact the way we read literary texts and introduces students to debates and practices in the digital humanities. *Credit: 3 semester hours.*

200 Medieval Literature: Critical Theoretical Approaches

This course considers a range of late medieval literary works with close attention to questions and representations of difference: social, sexual, national, racial, and religious. *Credit: 3 semester hours.*

210 Medieval Literature in Historical Contexts

This course examines a range of medieval genres, including lyric, travel writing, romance, and drama, together with important historical context and recent critical work. *Credit: 3 semester hours.*

230 Chaucer

This course considers selected tales in the context of the Canterbury Tales as a whole, introducing some important historical and literary-critical approaches to the work. *Credit: 3 semester hours.*

250 Medieval Drama

This course examines selected late medieval English regional plays and performance histories. Topics may include civic identity, work and gender, devotional practice, and heterodoxy. *Credit: 3 semester hours.*

260 Medieval Romance

This course explores romance, an important and protean literary form, as it developed

from the late twelfth century to the end of the fifteenth century. *Credit: 3 semester hours.*

270 Medieval to Early Modern

This course considers the transition from the fifteenth to the sixteenth century in England, examining relations among literary production, performance practice, and religious controversy. *Credit: 3 semester hours.*

280 Topics in Medieval Studies

This course considers literary work by, for, and about women from the tenth to the fifteenth century, historicizing and theorizing writing in relation to gender. *Credit: 3 semester hours.*

300 Shakespeare and Early Modern Studies

Placing Shakespeare's plays in twenty-first century scholarly context, this course engages the intellectual trends currently shaping early modern studies. *Credit: 3 semester hours.*

310 Shakespeare's Media: Print, Performances, and Film

Paying special attention to media cultures from the Elizabethan stage to twenty-first century film, this course examines how "Shakespeare" becomes meaningful to many different audiences. *Credit: 3 semester hours.*

320 Elizabethan Drama

Using a variety of critical approaches, this course explores plays written by Shakespeare and his contemporary playwrights during the reign of Queen Elizabeth I. *Credit: 3 semester hours.*

330 Jacobean Drama

Using a variety of critical approaches, this course explores plays written by Shakespeare and his contemporary playwrights during the reign of King James I. *Credit: 3 semester hours.*

340 Spenser and the Elizabethan Renaissance

This course considers the poetry and prose of Edmund Spenser within the broader context of Tudor culture in England and Ireland. *Credit: 3 semester hours.*

345 Shakespeare's London: Page, Stage, and Place

This study abroad course considers Shakespeare in local context, from the replica Globe Theater to the print shops of St. Paul's. *Credit: 3 semester hours.*

350 Milton and the English Civil Wars

Examines Milton's poetry and prose in the context of major cultural debates produced during the civil wars (1642-1646, 1648), the Interregnum (1649-1660), and Restoration (1660-1685). *Credit: 3 semester hours.*

355 Renaissance Lyric Poetry

Engaging the celebrated generation of Philip Sidney and John Donne, this course explores lyric poetry through creative imitation, literary theory, textual analysis, and other modes. *Credit: 3 semester hours.*

370 Topics in Shakespeare

Treating "Shakespeare" as both cultural symbol and historical author, this course employs historicist, literary, cultural, and experimental approaches to his works and legacy. *Credit: 3 semester hours.*

380 Topics in Early Modern Studies

Utilizing a thematic approach to Early Modern studies, this course employs historicist, cultural, and textual methods to analyze poetry and prose from the period. *Credit: 3 semester hours.*

400 The Novel to 1800

Considers a variety of topics related to the novel's emergence and dominance in the long eighteenth century (1660-1800). *Credit: 3 semester hours.*

410 Restoration and Eighteenth-Century Poetry

A study of the forms and conventions of poetry from 1660 through early Romanticism, including Augustanism, satire, pastoral, empire, labor, abolitionism, sexuality, politics, and modernity. *Credit: 3 semester hours.*

420 Restoration and Eighteenth-Century Drama

Examines the reopening of the theaters after 1660, the development of new dramatic modes, innovations in staging and performance, including the emergence of actresses. *Credit: 3 semester hours.*

430 Restoration and Eighteenth-Century Prose

A survey of the period's prose forms beyond fiction: conduct literature; essays; periodicals; religious texts; letters; treatises; literary criticism; travel writing; history; philosophy; life writing. *Credit: 3 semester hours.*

440 Studies in Restoration and Eighteenth-Century Literature

Addresses current debates in eighteenth-century scholarship, covering a variety of genres and authors. *Credit: 3 semester hours.*

450 Topics in Restoration and Eighteenth-Century Literature and Culture

A focused study of intersections between text and world around a significant concept, idea, topic, event, or figure. Research-intensive; topics will vary. *Credit: 3 semester hours.*

501 The Victorian Social Imagination

Victorian literary efforts at representing society and reimagining it through the lens of reform. *Credit: 3 semester hours.*

510 British Romanticism

A course on the poetry and prose of leading figures, with a special focus on aesthetic innovation and relevant political and social contexts. *Credit: 3 semester hours.*

520 The Nineteenth-Century Novel

A survey of various genres of the novel across the Romantic and Victorian period, and in some course iterations, comparatively with the European novel. *Credit: 3 semester hours.*

540 Science, Poetry, and Prose in Victorian England

Victorian science as, and in relation to, literature, with a focus on evolutionary science, geology, natural history, and psychology. *Credit: 3 semester hours.*

550 Realism and Its Discontents

Philosophical origins of and political, aesthetic, and cultural implications of the dominant nineteenth-century novelistic mode of realism, as practiced by Dickens, Eliot, and others. *Credit: 3 semester hours.*

560 Revolution and Romanticism

Literature, philosophy, and the visual arts – all are sites of contention over political and social reform in the culture wars of the Regency Era. *Credit: 3 semester hours.*

570 Monumental Form: Eliot, Dickens, Trollope

Victorian large-scale fiction, serial and triple-decker novels; theorizing their formal properties and monumentality as central to Victorian society via Eliot, Dickens, Trollope, and Thackeray. *Credit: 3 semester hours.*

580 Studies in Nineteenth-Century British Authors

This course examines various authors central to the field of nineteenth-century British literature according to instructor interest. *Credit: 3 semester hours.*

590 Topics in Nineteenth-Century British Literature and Culture

Utilizing a thematic approach to nineteenth-century British literary studies, this course employs historicist, cultural, and textual models to analyze poetry and prose from the period. *Credit: 3 semester hours.*

600 Nineteenth-Century American Public Culture

This course examines expressions of the public and the public sphere in nineteenth-century American art and culture. *Credit: 3 semester hours.*

610 Literature of the Early Republic

Stretching from the Revolution to the election of Andrew Jackson, this course surveys U.S. literature and culture from 1776 to 1828. *Credit: 3 semester hours.*

616 Colonial American Literature

A survey of literature and culture of the U.S. colonial period. *Credit: 3 semester hours.*

620 Antebellum American Literature

The course examines American literature and culture from the age of Jackson to the Civil War. *Credit: 3 semester hours.*

625 Gender and Nineteenth-Century American Literature

This course analyzes gender roles in nineteenth-century American literature and culture. *Credit: 3 semester hours.*

630 American Regional Literature

Ranging from Yankee stereotypes to landscape imagery, this course looks at the relationship of literature to place in nineteenth-century America. *Credit: 3 semester hours.*

635 Narratives of American History

This course examines historical discourses that have shaped American literary and cultural identity, according to instructor interest. *Credit: 3 semester hours.*

640 Transcendentalism: Art and Reform

A close examination of the Transcendentalist movement, including writers such as Emerson and Fuller, Whitman and Dickinson. *Credit: 3 semester hours.*

646 American Poetics

This course examines selected topics in the field of American poetry and poetics according to instructor interest. *Credit: 3 semester hours.*

650 American Novel to 1914

A study of the novelists and fiction writers of nineteenth-century America up to the first World War. *Credit: 3 semester hours.*

660 Nineteenth-Century African-American Literature

This course examines early U.S. African-American literature, paying particular attention to both the slave narrative and the international dimensions of Black writing. *Credit: 3 semester hours.*

665 Studies in Nineteenth-Century Authors

This course examines the work of selected nineteenth-century authors for advanced study. *Credit: 3 semester hours.*

670 Topics in Nineteenth-Century American Literature and Culture

This course examines selected topics of cultural or aesthetic value according to instructor interest. *Credit: 3 semester hours.*

700 The Emergence of Modernism

A study of the development of modernist literature as a response to the sudden and rapid developments in philosophy, politics, science, and technology. *Credit: 3 semester hours.*

710 Postmodernism

A study of Anglophone postmodern literary works in different genres, emphasizing how they respond to both traditional and emerging conceptions of literature and culture. *Credit: 3 semester hours.*

711 Modern Short Story

This course examines modern global literature through a focus on the form of the short story, from Chekhov to Borges. *Credit: 3 semester hours.*

715 Modern Novel

A study of selected British and/or American modern novelists, with an emphasis on how they respond to the traditional novel and to historical circumstances. *Credit: 3 semester hours.*

716 Modern Poetry

A study of selected British and/or American modern poets, with an emphasis on their responses to modernity through stylistic experimentation and thematic innovation. *Credit: 3 semester hours.*

725 Modern Drama

This course surveys important staged dramatic works from the end of the nineteenth century to the mid-twentieth, focusing on realism and its reactions. *Credit: 3 semester hours.*

735 Harlem Renaissance

African-American literature, culture, and the arts of the Harlem Renaissance. *Credit: 3 semester hours.*

740 Contemporary Novel

This course examines postmodern global literature through a focus on the form of the novel, from 1970 to present. *Credit: 3 semester hours.*

745 Contemporary Poetry

Post-World War II poetry and its schools, theoretical underpinnings, modernist and alternative roots, and cultural and historical relevance. *Credit: 3 semester hours.*

750 Contemporary Drama

This course examines English-language plays written since the mid-twentieth century, focusing on social, political, and historical questions as well as those of gender, sexuality, and performance. *Credit: 3 semester hours.*

755 Topics in African-American Literature

Special topics in African-American literary studies, which will vary according to instructor interest. *Credit: 3 semester hours.*

760 Postcolonial Literature

Literature and theory from the formerly colonized nations of Africa, Asia, Latin America, and the Caribbean. *Credit: 3 semester hours.*

761 Caribbean Literature and Culture

This course is a critical introduction to Caribbean literary and cultural studies, engaging literary works across poetry, fiction, and drama of the multilingual, circum-Caribbean region. *Credit: 3 semester hours.*

762 Utopian Fiction

Readings in a wide range of utopian novels, both as literary works and as blueprints for social change. *Credit: 3 semester hours.*

763 Vernacular Literature

Readings in a wide range of fiction, poetry, and drama in non-standard Englishes (creole, patois, vernacular, etc.), along with theoretical considerations of their context and content. *Credit: 3 semester hours.*

764 State and Non-State Violence in Literature

Study of literary depictions of terrorism, counter-terrorism, and militarization in the twentieth and twenty-first centuries. *Credit: 3 semester hours.*

765 American Ethnic Literatures

This course considers (singly or in combination) the literatures, criticism, and theories of African Americans, Asian Americans, Chicana or Latinx Americans, and/or Native Americans. *Credit: 3 semester hours.*

766 South Asian and South Asian Diaspora Literature

Advanced study of the fiction, poetry, essays, and drama of South Asia and South Asian diasporas. *Credit: 3 semester hours.*

770 Studies in Twentieth-Century American Literature and Culture

A study of selected themes or genres from twentieth-century American writers and their relation to American culture. *Credit: 3 semester hours.*

775 Topics in Twentieth-Century British Literature and Culture

A study of selected themes or genres from twentieth-century British writers and their relation to British culture. *Credit: 3 semester hours.*

800 Forms and Themes in Film

A study of film focused on a specific theme that cuts across genres and national cinemas. *Credit: 3 semester hours.*

802 Topics in Film Authors

An examination of authorship in cinema through a study of a body of films attributable to a single director. *Credit: 3 semester hours.*

805 Reading the High School Canon

Examination of the books that appear most frequently in U.S. secondary English curricula, along with investigation of when and why those books achieved "required reading" status. *Credit: 3 semester hours.*

807 Teaching World Literature

Critical investigation of pedagogical, theoretical, and aesthetic factors in the teaching of "World Literature" or "Global Literature" at a university level. *Credit: 3 semester hours.*

810 Literary/Visual Texts

Theories of visual rhetorical criticism and textual strategies for integrating words, images, and other multimedia elements. Examines principles of visual design, persuasion, and composition. *Credit: 3 semester hours.*

820 Literature and Religion

A study of the relationship of religious and theological concepts and practices to the production of literary texts. *Credit: 3 semester hours.*

830 Allegory and Epic

A study of these ancient genres through the examination of selected texts, as they manifest themselves in different forms throughout literary history. *Credit: 3 semester hours.*

836 Modernism and the Fascist Aesthetic

A course on the connections between discourse and modes of representation associated

with high culture and far-right political movements in the twentieth century. *Credit: 3 semester hours.*

855 Theory of the Novel

A study of the foundational texts on narrative theory and the various approaches to the analysis of the novel's form and place in literary history. *Credit: 3 semester hours.*

865 Emerging Technologies and the Making of Meaning

Focuses on the ways technological media (photography, film, video, digital) influence considerations of form and content. *Credit: 3 semester hours.*

875 Feminist Theory

This course investigates major concepts and critiques in feminist thought, theory, and methodology. *Credit: 3 semester hours.*

876 Writing Nonfiction

In this class, students study nonfiction from the point of view of the writer and produce essays, memoir, and reportage of their own devising. *Credit: 3 semester hours.*

877 Workshop in Fiction

In this class, students study fiction from the point of view of the writer and produce stories of their own devising. *Credit: 3 semester hours.*

878 Workshop in Poetry and Poetics

In this class, students study poetry and poetics from the point of view of the writer and produce poetry of their own devising. *Credit: 3 semester hours.*

879 Fiction and Autobiography Writing Workshop

This creative writing class explores the relationship between autobiography and fiction, the autobiographical sources of fiction, and the fictions necessary in memoir. *Credit: 3 semester hours.*

880 Topics in Interdisciplinary Studies

This course gives students grounding in interdisciplinary critical theory and literary studies using media and messaging to investigate how networks, categories, and identities are produced. *Credit: 3 semester hours.*

885 Topics in Cultural Studies

This course studies the experiences of various ethnic groups in the Americas through literature, film, history, psychoanalysis, religion, law, culture, and sociology. *Credit: 3 semester hours.*

Special and Research Courses

105 Comprehensive Examination (Master's)

Portfolio-based capstone assessment for the M.A. degree. *No credit.*

105Q Comprehensive Examination (Doctoral)

Preparation for and oral examination in three scholarly fields of the doctoral student's devising, in consultation with three faculty mentors/examiners. *No credit.*

105T Master's Thesis Defense

Defense of M.A. thesis. *No credit.*

105P Doctoral Dissertation Defense

Doctoral students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

900 Master's Research

M.A. thesis; research project of the student's devising, written in consultation with a mentor and several faculty readers.

Credit: 3 semester hours.

901 Independent Study: Readings and Research

Independent readings and research supervised by, and in conversation with, a faculty mentor.

Credit: 3 semester hours.

906 English Internship

Internship in varying contexts outside the classroom related to and productive of the graduate student's education in English. *Credit: 3 semester hours.*

925 Maintaining Matriculation (M.A.)

Designation for M.A. students pausing studies for personal reasons not medical in nature; available for no more than two consecutive semesters. *No credit. Fee: \$100 per semester.*

930 Maintaining Matriculation (Ph.D.)

Designation for Ph.D. students pausing studies for personal reasons not medical in nature; available for no more than two consecutive semesters. *No credit. Fee: \$100 per semester.*

975 Doctoral Research

Doctoral research colloquium or independent doctoral research supervised by doctoral committee. *Credit: 1-3 semester hours.*

For more information, please see the English department blog at stjenglish.com. For a complete listing of approved courses, please contact the Dean's Office.

Environmental Studies (ENV)

The Environmental Studies program offers a Master of Science (M.S.) in Environmental OMICS, a Master of Arts (M.A.) in Environmental Sustainability and Decision Making, along with pathways to the M.A. degree.

Programs of Study

Master of Science (M.S.) in Environmental OMICS

Today's complex environmental problems involve vast amounts of data, and the M.S. in Environmental OMICS at St. John's trains students to understand and analyze big data related to the environment, preparing them as leaders that help industries manufacture

greener, safer products, and better manage their corporate responsibility.

Entrance Requirements

The M.S. in Environmental OMICS provides students with undergraduate degrees in biology, the other natural sciences, or math and computer science with the opportunity to expand their career options to the field of environmental sustainability.

In addition to the general requirements for admission to graduate study in St. John's College of Liberal Arts and Sciences, applicants must present a cumulative undergraduate GPA of 3.0, as well as 3.0 or better in the major discipline. No Graduate Record Examination (GRE) scores are required. Each application will be reviewed to ensure a student has completed a statistics course and a course in data analytics or OMICS, such as bioinformatics.

Applications received by March 1 will receive priority review. Qualified applications received after March 1 will be considered based on available space in the program.

Program Requirements

The M.S. in Environmental OMICS offers both a 33-credit non-thesis option and a 30-credit thesis option. The program's culminating experience includes a choice of a capstone project, comprehensive examination, or thesis, which students select in consultation with a faculty advisor.

In addition to the required capstone project, thesis, or comprehensive examination, students also have the option of completing an internship or independent study to enhance their research and professional development.

Thesis Option

Required

ENV 005	Colloquia	0 credits
ENV 101	Environmental Principles	3 credits
ENV 102	Methods of Environmental Analysis & Sustainability	3 credits
ENV 103	Introduction to OMICS	3 credits
ENV 200 / MPH 305	Geographic Information Systems	3 credits
ENV 210	Transcriptomes, Proteomes, and Metabolomes	3 credits
BIO 209	Bioinformatics	3 credits
MTH 165	Introduction to Computing with Applications	3 credits

Electives (Choose From Among the Following)

BIO 299	Scientific Literacy and Integrity	3 credits
CUS 510	Database System Design and Data Warehousing	3 credits

CUS 610	Data Mining and Predictive Modeling I	3 credits
CUS 620	Introduction to Programming for Analytics	3 credits
LIS 248	Database Modeling and Design	3 credits
MTH 167	Mathematic Modeling I	3 credits
MTH 172	Operations Research I	3 credits
MTH 580	Database Management Systems	3 credits
PAS 302	Health Care Data Analysis and Management	3 credits

Thesis

ENV 900	Master's Thesis Research	6 credits
ENV 105T	Master's Thesis Defense	0 credits

Non-Thesis Option

Required

ENV 005	Colloquia	0 credits
ENV 101	Environmental Principles	3 credits
ENV 102	Methods of Environmental Analysis & Sustainability	3 credits
ENV 103	Introduction to OMICS	3 credits
ENV 200 / MPH 305	Geographic Information Systems	3 credits
ENV 210	Transcriptomes, Proteomes, and Metabolomes	3 credits
BIO 209	Bioinformatics	3 credits
MTH 165	Introduction to Computing with Applications	3 credits

Electives (Choose From Among the Following)

BIO 299	Scientific Literacy and Integrity	3 credits
CUS 510	Database System Design and Data Warehousing	3 credits
CUS 610	Data Mining and Predictive Modeling I	3 credits
CUS 620	Introduction to Programming for Analytics	3 credits
LIS 248	Database Modeling and Design	3 credits
MTH 167	Mathematic Modeling I	3 credits
MTH 172	Operations Research I	3 credits
MTH 580	Database Management Systems	3 credits
PAS 302	Health Care Data Analysis and Management	3 credits

Internship (Optional)

ENV 350	Internship I	3 credits
ENV 351	Internship II	3 credits

Comprehensive Examination or Capstone Project

ENV 105	Comprehensive Examination	0 credits
ENV 354	Capstone	3 credits

Master of Arts (M.A.) in Environmental Sustainability and Decision Making

The M.A. in Environmental Sustainability and Decision Making at St. John's University

prepares students for opportunities in a rapidly evolving global community that spans the sciences, social sciences, and humanities. This professional master's degree program, which is grounded in St. John's Vincentian mission, combines science and policy, helping students acquire the necessary skills to solve today's complex environmental sustainability problems.

Entrance Requirements

The M.A. in Environmental Sustainability and Decision Making is designed to provide students with undergraduate degrees in the natural and physical sciences, social sciences, political science, and humanities with the opportunity to expand their career options to the field of environmental sustainability. We also encourage prospective students with minors in these disciplines to apply.

In addition to the general requirements for admission to graduate study in St. John's College of Liberal Arts and Sciences, applicants must present a cumulative undergraduate GPA of 3.0, as well as 3.0 or better in the major discipline. No Graduate Record Examination (GRE) scores are required.

Applications received by March 1 will receive priority review. Qualified applications received after March 1 will be considered based on available space in the program.

Program Requirements

The M.A. in Environmental Sustainability and Decision Making offers both a 33-credit non-thesis option and a 30-credit thesis option. The program's culminating experience includes a choice of a capstone project, comprehensive examination, or thesis, which students select in consultation with a faculty advisor. The program offers two concentrations, allowing students to design a curriculum that best fits their individual interests and career goals. Both concentrations—science and policy—combine training in core environmental science topics with coursework designed to train leaders in Environmental Sustainability and Decision Making. In addition to the required capstone project, thesis, or comprehensive examination, students also have the option of completing an internship or independent study to enhance their research and professional development.

Environmental Science Track, Thesis Option

Required

ENV 005	Colloquia	0 credits
ENV 101	Environmental Principles	3 credits
ENV 102	Methods of Environmental Analysis & Sustainability	3 credits

Statistics (Choose One)

PAS 252	Biostatistics	3 credits
SOC/CRM 127; 127L	Statistics for Social Science	3 credits

Research Methods (Choose One)

BIO 248	Biotechniques	3 credits
CHE 101	Instrumental Methods of Analysis	3 credits

Electives (Choose From Among the Following)

BIO 299	Scientific Literacy and Integrity	3 credits
CHE 101	Instrumental Methods of Analysis	3 credits
CHE 200	Environmental Chemistry	3 credits
CHE 202	Separation Techniques in Chemistry	3 credits
ENV 200	Geographic Information Systems	3 credits
ENV 201	Current Topics in Waste Management	3 credits
ENV 708	Emerging Topics in Environmental Sustainability and Decision Making	3 credits
MPH 316	Global Environmental Sustainability & Health	3 credits
TOX 216	Environmental and Occupational Toxicology	3 credits
TOX 285	Environmental Health Sciences	3 credits

Internship (Optional)

ENV 350	Internship I	3 credits
ENV 351	Internship II	3 credits

Independent Study (Optional)

CHE 260	Independent Study	3 credits
ENV 352	Special Research I	3 credits
ENV 353	Special Research II	3 credits

Thesis Research (3-6 Credits)

ENV 900	Master's Thesis Research	3 credits
ENV 105T	Master's Thesis Defense	0 credits

Environmental Science Track, Non-Thesis Option

Required

ENV 005	Colloquia	0 credits
ENV 101	Environmental Principles	3 credits
ENV 102	Methods of Environmental Analysis & Sustainability	3 credits

Statistics

PAS 252	Biostatistics	3 credits
SOC/CRM 127; 127L	Statistics for Social Science	3 credits

Research Methods

BIO 248	Biotechniques	3 credits
CHE 101	Instrumental Methods of Analysis	3 credits

Electives (Choose From Among the Following)

BIO 299	Scientific Literacy and Integrity	3 credits
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CHE 101	Instrumental Methods of Analysis	3 credits
CHE 200	Environmental Chemistry	3 credits
CHE 202	Separation Techniques in Chemistry	3 credits
ENV 200	Geographic Information Systems	3 credits
ENV 201	Current Topics in Waste Management	3 credits
ENV 708	Emerging Topics in Environmental Sustainability and Decision Making	3 credits
MPH 316	Global Environmental Sustainability & Health	3 credits
TOX 216	Environmental and Occupational Toxicology	3 credits
TOX 285	Environmental Health Sciences	3 credits

Internship (Optional)

ENV 350	Internship I	3 credits
ENV 351	Internship II	3 credits

Independent Study (Optional)

CHE 260	Independent Study	3 credits
ENV 352	Special Research I	3 credits
ENV 353	Special Research II	3 credits

Comprehensive Examination or Capstone Project

ENV 105	Comprehensive Examination	0 credits
ENV 354	Capstone	3 credits

Environmental Policy Track, Thesis Option

Required

ENV 005	Colloquia	0 credits
ENV 101	Environmental Principles	3 credits
ENV 102	Methods of Environmental Analysis & Sustainability	3 credits

Statistics

SOC/CRM 127; 127L	Statistics for Social Science	3 credits
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Research Methods

GOV 205	Modern Political Research	3 credits
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Electives (Choose From Among the Following)

ENV 200	Geographic Information Systems	3 credits
ENV 201	Current Topics in Waste Management	3 credits
ENV 708	Emerging Topics in Environmental Sustainability and Decision Making	3 credits
GOV 146	American Governmental Process: The Legislature	3 credits
GOV 156	Global Environmental Politics	3 credits
GOV 198	American Political Parties and Interest Groups	3 credits
GOV 212	Global Energy Politics and Policy	3 credits
GOV 218	Public Policy – American	3 credits
GOV 275	Green Political Theory	3 credits

MGD 130	Impact of International Organizations in Global Development	3 credits
MGD 150	Sustainable Food Systems, Water, and the Environment	3 credits
MGD 172	Project Management and Nongovernment Organizations	3 credits

Internship (Optional)

ENV 350	Internship I	3 credits
ENV 351	Internship II	3 credits

Independent Study (Optional)

CHE 260	Independent Study	3 credits
ENV 352	Special Research I	3 credits
ENV 353	Special Research II	3 credits

Thesis Research (3-6 Credits)

ENV 900	Master's Thesis Research	3 credits
ENV 105T	Master's Thesis Defense	0 credits

Environmental Policy Track, Non-Thesis Option**Required**

ENV 005	Colloquia	0 credits
ENV 101	Environmental Principles	3 credits
ENV 102	Methods of Environmental Analysis & Sustainability	3 credits

Statistics

SOC/CRM 127; 127L	Statistics for Social Science	3 credits
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Research Methods

GOV 205	Modern Political Research	3 credits
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Electives (Choose From Among the Following)

ENV 200	Geographic Information Systems	3 credits
ENV 201	Current Topics in Waste Management	3 credits
ENV 708	Emerging Topics in Environmental Sustainability and Decision Making	3 credits
GOV 146	American Governmental Process: The Legislature	3 credits
GOV 156	Global Environmental Politics	3 credits
GOV 198	American Political Parties and Interest Groups	3 credits
GOV 212	Global Energy Politics and Policy	3 credits
GOV 218	Public Policy – American	3 credits
GOV 275	Green Political Theory	3 credits
MGD 130	Impact of International Organizations in Global Development	3 credits
MGD 150	Sustainable Food Systems, Water, and the Environment	3 credits
MGD 172	Project Management and Nongovernment Organizations	3 credits

Internship (Optional)

ENV 350	Internship I	3 credits
ENV 351	Internship II	3 credits

Independent Study (Optional)

CHE 260	Independent Study	3 credits
ENV 352	Special Research I	3 credits
ENV 353	Special Research II	3 credits

Comprehensive Examination or Capstone Project

ENV 105	Comprehensive Examination	0 credits
ENV 354	Capstone	3 credits

B.S. Environmental Science (Queens)/M.A. Environmental Sustainability and Decision Making Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Environmental Science (Queens campus) and the M.A. program in Environmental Sustainability and Decision Making. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.A. Environmental Sustainability and Decision Making (Queens)/M.A. Environmental Sustainability and Decision Making Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.A. program in Environmental Sustainability and Decision Making (Queens campus) and the M.A. program in Environmental Sustainability and Decision Making. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an

overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.A. Environmental Sustainability and Decision Making (Staten Island)/M.A. Environmental Sustainability and Decision Making Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.A. program in Environmental Sustainability and Decision Making (Staten Island campus) and the M.A. program in Environmental Sustainability and Decision Making. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Courses**005 Colloquia**

This required colloquia covers relevant issues in Environmental Sustainability and Decision Making. *No credit.*

101 Environmental Principles

Examination of theoretical and empirical evidence from populations, communities, and ecosystem ecology. Evaluation of current strategies for preserving biological diversity both locally and globally. *Credit: 3 semester hours.*

102 Methods of Environmental Analysis and Sustainability

Prerequisite: ENV 101 or permission of program director. Past, present and future methods of environmental analysis and sustainability will be explored, emphasizing environmental sciences and policy. Campus-based fieldwork required. *Credit: 3 semester hours.*

103 Introduction to OMICS

Introduction and overview of OMICS, including transcriptomes, proteomes, and metabolomes. *Credit: 3 semester hours.*

105 Comprehensive Examination

This examination tests the student's knowledge in the field. *No credit.*

200 Geographic Information Systems

An interdisciplinary exploration of GIS with exposure to various aspects of analysis including data structure, spatial analysis, data management, data visualization, data retrieval and GPS. *Credit: 3 semester hours.*

201 Current Topics in Waste Management

Prerequisite: ENV 101. Overview of waste fundamentals (waste characteristics, regulations, and toxicology), current management practices (environmental impact, and pollution prevention), treatment, disposal methods, and site remediation. *Credit: 3 semester hours.*

202 Environmental Policy and the Law

Analysis of scientific, political, and economic issues influencing environmental policy laws. Topics include traditional air and water pollution, waste management/remediation, and sustainable product development. *Credit: 3 semester hours.*

203 Introduction to Environmental Psychology

Introduction to Environmental Psychology, related to environmental stimuli and the human response, emphasizing historical and emerging environmental crises—from 'silent spring' to current environmental disasters. *Credit: 3 semester hours.*

204 Sustainable Natural Resource Management

Sustainable Natural Resource Management analyzes sustainable solutions for natural resource management from social, economic, and environmental perspectives. *Credit: 3 semester hours.*

210 Transcriptomes, Proteomes, and Metabolomes

Prerequisites: ENV 103 and BIO 209. In-depth discussion of OMICS tools to perform advanced data analysis and methods used in four different fields of OMICS research: genomics, transcriptomics, proteomics, and metabolomics. *Credit: 3 semester hours.*

350; 351 Internship I; II

Students may elect one or two semesters of internship experience. *Credit: 3 semester hours per semester.*

352; 353 Special Research I; II

Students may elect one or two semesters of supervised research. *Credit: 3 semester hours per semester.*

354 Capstone

Students electing the capstone as a culminating assessment will conceive of a discrete project

and see it through to its conclusion.

Credit: 3 semester hours.

708 Emerging Topics in Environmental Sustainability and Decision Making

Prerequisite: ENV 101 or permission of program director. Seminar discussing emerging issues affecting environmental policies and research. Topics may include emerging air and water pollutants, climate change, domestic and international green policies. *Credit: 3 semester hours.*

900 Master's Thesis Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirement for students electing the thesis option. Students completing a thesis must register for 3-6 credits of master's research. *Credit: 3 semester hours per semester.*

105T Master's Thesis Defense

Students electing the thesis option should register for this placeholder section in the semester they will defend their thesis. *No credit.*

Center for Global Development (MGD)

The mission of the Center for Global Development is to invest in educational programs and activities to promote the common good and the advancement of the human community where the dignity of the human person is at the foundation of every process of development.

The term "global" not only encompasses social, cultural, and economic structures and processes that foster human progress, but also an awareness of interdependence between people and among nations. This interdependence comes with the responsibility of building a civil society based on a culture of solidarity and social justice. According to Pope Paul VI, development, to be authentic, must foster human wellbeing, but also each person's spiritual and moral development.

Human nature is relational, and our responsibility is to further educate people about the process of relational sharing. Building a global community, through projects of social intervention, welfare, and development will not fail if it is grounded on dialogical opening.

The Center serves as a center for research on issues regarding international development.

Drawing upon its network of international specialists as well as its own faculty, staff, and researchers, the activities promoted and offered by the Center include the M.A. in Global Development and Social Justice, conferences, internships, research projects, and joint ventures and projects with other organizations.

Program of Study

Master of Arts (M.A.) in Global Development and Social Justice

The M.A. in Global Development and Social Justice aims at best practices and leadership in global development. Our mission of social justice and human rights advocacy, grounded in Catholic Social Teaching, is reflected through our innovative online methodology. We seek to provide education, especially to those lacking economic, and/or social means. Furthermore, through its committed faculty and support staff, the M.A. seeks to teach students how to search out the causes of poverty and social injustice and encourages them to explore and identify solutions which are adaptable, effective, and concrete.

This innovative online multidisciplinary program combines classroom instruction with online methodology to offer students the flexibility to pursue in-depth research in a broad variety of critical areas related to development and social justice.

The M.A. includes 11 three-credit courses for a total of 33 credits and is completed on a part-time basis. Students generally complete two courses each semester. This program is unique in that the curriculum is primarily delivered via online learning that can be accessed worldwide.

The curriculum for this program is delivered via online learning. Additionally, there is a required capstone project to be presented in the Integrated Seminar that summarizes the student's learning in the courses.

Entrance Requirements

- An accredited bachelor's degree or its equivalent.
- Proficiency in English (written and spoken). Applicants whose native language is not English, or whose secondary and post-secondary education was not in English must demonstrate English proficiency through a standardized English exam.
- Two letters of recommendation from persons qualified to evaluate the applicant's ability to succeed in a graduate program of study.
- A statement of personal and professional goals relevant to the applicant's interest in the field of Global Development and Social Justice.
- The Graduate Record Examination (GRE) is not required.

Program Requirements

The program offers significant training in information technology and an optional internship related to the student's required capstone project. It also encompasses a broad range of topics related to development and social justice. Additionally, the capstone

project is presented in the Integrated Seminar, summarizing the student's learning in the courses and their ability to undertake in-depth research and apply the knowledge and skills acquired. Finally, its dedicated and distinguished faculty and support staff participate together and individually in special training seminars and workshops to ensure excellence in instruction and program management.

Curriculum (33 credits)

MGD 100	Models of Intervention in Global Development	3 credits
MGD 110	Catholic Social Thought and Practices of Integral Human Development and Solidarity	3 credits
MGD 120	Information Resources for Global Development and Social Justice Practices	3 credits
MGD 130	Impact of International Organizations in Global Development	3 credits
MGD 140	Economics of Development	3 credits
MGD 150	Sustainable Food Systems, Water, and the Environment	3 credits
MGD 160	Migration and Refugees in Development: Humanitarianism, Gender, and Inequities	3 credits
MGD 172	Project Management for NGOs	3 credits
MGD 180	Media Strategy and the Politics of Peace Building	3 credits
MGD 190	Health Care Issues in Global Development	3 credits
MGD 200	Integrating Seminar	3 credits

Assistantships and Scholarships

Graduate Assistantships are available on a selective basis for this program.

Employees of the United Nations may be eligible for the Pope Paul VI scholarship. To be eligible, applicants must be accepted to the M.A. program in Global Development and Social Justice as matriculated students, be listed in the UN Blue Book entitled Permanent Missions to the United Nations, and remain in the employ of the United Nations for the duration of the scholarship. For further information, students may consult the Academic Coordinator or the Dean's Office.

Transfer of Credit

Because of the distinctive nature of the program, no transfer credits may be applied to this degree.

Courses

100 Models of Intervention in Global Development

This course introduces students to the key concepts of Global Development in the

context of social justice, combining concerns for international development with awareness of the human person, the common good, solidarity, and subsidiarity. Contemporary development issues such as migration, environment, health, and conflict will be examined through common models and tools of intervention. Case studies referring to non-governmental organizations, inter-governmental organizations, and national governments will also be emphasized. *Credit: 3 semester hours.*

110 Catholic Social Thought and Practices of Integral Human Development and Solidarity

What should be the goals of global development? What constitutes sustainable prosperity for all? What models and practices of global development lead to human flourishing? How can practices of solidarity and peace building be cultivated to promote development and human well-being? Students will endeavor to answer these and other important questions in a manner that draws deeply upon the Catholic moral tradition in dialogue with other points of view. *Credit: 3 semester hours.*

120 Information Resources for Global development and Social Justice Practices

This course is an introduction to the scope, organization, evaluation, and use of print and electronic information sources. Particular emphasis will be placed on developing skills in using and creating digital information resources, and of the sharing these resources using electronic courseware social networking technologies, scholarly networking technologies, and information management techniques. All topics in this course are discussed within the context of the kinds of research and communication activities that are expected of development workers, thus information literacy skills, social science research methods, and professional and scholarly writing are also key areas of emphasis. *Credit: 3 semester hours.*

130 Impact of International Organizations in Global Development

This course examines the role of international organizations (IGOs) and nongovernmental organizations (NGOs) in global development. Organizations play an important role in the development of the economy, environment, health care issues, education, and other social issues that plague developing countries in the global economy. At the conclusion of this course, students will be able to 1) analyze the role of international and nongovernmental organization to development; 2) examine organizations and their policies toward developing countries; and 3) compare and contrast IGOs, NGOs, and other organizations in the context of globalization and development. *Credit: 3 semester hours.*

140 Economics of Development

An introduction to the field of economic growth and development from the perspective of Catholic Social Thought. This course covers: theories of economic growth; development

and underdevelopment; role of ethics in policy formation; causes and consequences of poverty (national and international); international wealth and income inequality; and trade and globalization. Various theories and perspectives are presented, all contrasted with the approach to development found in the Catholic social thought tradition, especially in the Encyclicals related to development issues. *Credit: 3 semester hours.*

150 Sustainable Food Systems, Water and the Environment

This course will critically evaluate the political economy of development policies to reduce global hunger, and assess the impact of fluctuating climate, biodiversity, and natural resources on agricultural production, food security, public health, and poverty reduction strategies within a social justice framework. A review of methods for assessing the impact of climate change, biodiversity, and natural resources on agricultural production, food security, and public health will include a focus on GIS (Geographic Information Systems) mapping and analysis, as well as examining participatory and community-based projects. In addition, the political, economic, and socio-cultural dimensions of global disparities and poverty and their impact on food and agricultural policy will be assessed. *Credit: 3 semester hours.*

160 Migration and Refugees in Development: Humanitarianism, Gender and Inequities

This course addresses the political and social issues associated with the movement of people as they relate to the developing world. The course will familiarize students with the normative and legal issues of migrations and refugee movements, including the relevant international institutions and conventions. Students will examine such issues as the role of diaspora communities, remittances and development, forced migration and trafficking, as well as refugee crises and humanitarian responses. Theoretical frameworks will include issues of gender, inequality, and social justice. *Credit: 3 semester hours.*

172 Project Management for NGOs

This course provides the theory and core methodology students will need to manage projects or participate effectively on project teams. The course uses the project life cycle as its organizing framework and topics cover the entire project management process, including project definition, planning, executing, and closing. Topics will include: basic project concepts and project selection, definition, organization structure, team building, communication and conflict management, planning methods and techniques, resource allocation, risk management, monitoring and control, and termination. Participants will complete a group project which involves preparing a

project proposal for a “real world” project of their choosing. *Credit: 3 semester hours.*

180 Media Strategy and the Politics of Peace Building

The first part of this course will focus on how communication and media are vehicles for human development, and communication as agent of social change; it will present various models of communication, and a particular emphasis will be on participatory model of communication. The second section of the course will seek apply the students’ understanding of these models through a focus on the study of interactive methods for negotiation and mediation to resolve conflict. Students will be introduced to practical models of conflict resolution, such as workshops and multi-track mediation. The course will conclude by linking communications and development with broad approaches to social peace and community building. *Credit: 3 semester hours.*

190 Health Care Issues in Global Development

This course closely links health care with issues of culture, global development, and social justice. Participants will gain a comprehensive understanding of global health problems and the state of health within their own countries. At the same time, they will get a comparative and global view of current applied solutions. *Credit: 3 semester hours.*

200 Integrating Seminar: The Art and Complexities of Development: Toward a new Model of Sustainability

This Integrating Seminar intends to focus on what students have learned during their studies, integrating what has been learned in each of the courses in the light of each student’s own experiences and the shared experiences of the entire class. During the Integrating Seminar, students will have the opportunity to present and discuss their capstone projects with each other, and with the professor who will be the seminar leader. The goal is to arrive at an in-depth understanding of specific development issues researched and to identify strategic/ structural solutions and alternative approaches. *Credit: 3 semester hours.*

Capstone Project

The goal of the required capstone project is to arrive at an in-depth understanding of development issues or priorities a student has identified. That comprehensive understanding takes into account the data available on a specific issue or priority and the results of other studies that have been undertaken. Students are also expected to identify strategic/structural solutions or approaches to addressing the development issue or priority identified. Students may also choose to research in-depth and analyze one (or more) strategies that a nation, an international organization, or NGO has developed to address a development issue, to

assess that strategy, and to propose an alternate approach(es).

925 Maintaining Matriculation

Graduate students not registered for other courses must register for 925 until all degree requirements are completed and the degree is granted. *No credit. Fee: \$100 per semester.*

For a complete listing of approved courses, please contact the Dean’s Office.

Department of Government and Politics (GOV)

General Entrance Requirements

For admission to graduate studies in Government and Politics, students are expected to have an undergraduate preparation of at least 18 credits in Government and Politics (Political Science) and a 3.0 G.P.A. Any deficiencies in preparation may require supplementary course work as a condition for admission, in the form of suitable graduate courses, as determined by the department chair.

Programs of Study

Master of Arts (M.A.) in Government and Politics

Program Requirements

Non-Thesis Option

GOV 205 Modern Political Research
12 credits in the major concentration
3 credits in Political Theory
6 credits in the minor concentration
9 credits in any field
No language requirement

Thesis Option

GOV 205 Modern Political Research
12 credits in the major concentration
3 credits in Political Theory
6 credits in the minor concentration
3 credits in any field
6 credits of Masters Research (GOV 900)
Language requirement

Political Theory major and minor concentrators may substitute a course from any of the four other concentrations for the three-credit Political Theory requirement.

The major and minor subfields are

American Politics
International Relations
Comparative Politics
Political Theory
Public Administration

Comprehensive Examinations - Both Options

This examination tests the student’s knowledge in her/his field of concentration at the end of their program of study. In order to register for the comprehensive examination, GOV 500, students must have completed a minimum of 24 credits with grades posted by the time of registration for the examination and be in the last semester of their program. (See also “Comprehensive Examination.”)

Rome Campus and International Affairs Tracks

The Department of Government and Politics offers students the opportunity to study at St. John’s University’s campus in Rome, Italy, for one or more semesters. Students who elect to complete 21 or more graduate credits on the Rome campus will concentrate in International Relations. These students will be expected to take a specialized section of GOV 205 offered in Rome and GOV 164 in lieu of the three-credit requirement in Political Theory. Additionally, students completing 21 or more graduate credits in Rome will organize their coursework around International Affairs (IA) Tracks. Students can choose to focus in one, two, three, or all four IA tracks, depending on the pace of study. As in Queens, the program requires the completion of 33 credits in total and a comprehensive examination.

Non-Thesis Option

- GOV 205 Modern Political Research: International Affairs
- GOV 164 Foundations of International Relations
- 9 credits in the Major IA track
- 6 credits in the Minor IA track
- 9 credits in any IA track

Thesis Option

- GOV 205 Modern Political Research: International Affairs
- GOV 164 Foundations of International Relations
- 9 credits in the Major IA track
- 6 credits in the Minor IA track
- 3 credits in any IA track
- 6 credits of Masters Research (GOV 900)

International Affairs Tracks

- **European Politics and Policy:** The study of politics at the level of European institutions, as well as at the national and regional levels. Coursework focuses on the European Union, as well as European national and transnational legal frameworks, political parties and social movements, social welfare arrangements, and environmental issues, among other issues.

- **International Organizations and Institutions:** The study of multilateral International Organizations, such as the UN, European Union, the African Union, and other regional alignments; as well as the role of international NGOs, Civil Society Organizations, and other transnational political actors.
- **Global Security Policy:** The study of global security issues, and the international institutions designed to regulate the security sector. An emphasis on the making, implementation, and analysis of domestic and multilateral security policy.
- **Development, Resilience and Sustainability:** The study of the political, social, economic, and environmental implications of international development. Courses will interrogate the issues of economic globalization, integrated markets, supply chains and regulatory regimes, and theoretical and practical frameworks for international, regional, and national economic and environmental policy-making.

Certificate Programs

The department offers one certificate program in Public Administration (available only in Queens) and another in International Law and Diplomacy (available in Queens and Rome). Students may find one or both of these certificates useful in establishing evidence of completion of such courses for employment or other purposes. The certificates can be obtained independently or as a complement to the M.A. students who have already completed their M.A. degree in the department may continue to study for the certificates.

Public Administration

Matriculated and special students who have successfully completed 18 semester hours in public administration (including GOV 215) will be issued a Certificate in Public Administration upon application to the department.

International Law and Diplomacy

Matriculated and special students who have successfully completed 18 semester hours of appropriate courses in international relations and comparative politics will be issued a Certificate in International Law and Diplomacy upon application to the department. A minimum of six of the 18 credit hours must be taken from International Law and Diplomacy courses (GOV 271, 341, 342, 343, 344, 367).

Combined Certificates

Students who desire to earn both the Certificate in Public Administration and the Certificate in International Law and Diplomacy may utilize six credits toward both certificates providing the courses are from among Government 188, 189, 290, 293, and 296. Thus, a total of 30 credits is the minimum

needed to earn both certificates. Courses should be selected in consultation with an academic advisor.

Combined Degree Programs: Graduate

M.A./J.D. Program

In conjunction with the School of Law, the department offers a combined M.A./J.D. program. At the end of three years of graduate study, including at least one summer, students may graduate with both the Master of Arts and the Juris Doctor degrees. To be eligible, students must apply for the combined degree program after having been accepted to both the Graduate and Law Schools.

Students must apply separately to the School of Law and the Graduate Division of Arts and Sciences, and must meet all regular requirements for admission to both the School of Law and the Graduate Division of Arts and Sciences as set forth in the respective school bulletins.

Students currently enrolled in the School of Law also may apply prior to completion of their second year of study. These students, however, may have to spend at least an additional semester of full-time M.A. study. Students currently enrolled in the Graduate Division of Arts and Sciences may also apply for this combined degree program.

The deans of both schools must approve the course of study for all students accepted to the M.A./J.D. program.

Students, in consultation with the M.A./J.D. Committee and the approval of the Dean of the Graduate Division of Arts and Sciences, may apply up to nine credits taken as part of the Law School curriculum toward the M.A. degree. Alternately, in consultation with the M.A./J.D. Committee and the approval of the Dean of the School of Law, students may apply up to nine credits taken in the Department of Government and Politics toward credits required for the J.D. degree. These students, however, may have to spend at least one additional semester of full-time M.A. study.

In planning a course of study suitable for each student, the following shall apply:

1. Students will not enroll in any M.A. courses during their first year of study in the School of Law.
2. Satisfactory progress in the School of Law shall also satisfy the M.A. residency requirement.
3. Students will be obliged to take a total of at least three credits of Government and Politics graduate study during each of the fall and spring semesters of their second year and third years of law school studies (12 credits minimum). Over two summers, they may take 12 additional credits in Government and Politics.

4. All M.A./J.D. students must take the M.A. comprehensive examination in Government and Politics no earlier than the last semester of coursework and within one year of the completion of all coursework, language, and residence requirements.

	J.D. Program	M.A. Program (Thesis)	M.A. Program (Non-thesis)
J.D. Credits	75	–	–
M.A. Credits	–	24	24
Credits toward both degrees	9	9	9
Totals:	84	33	33

Students electing the thesis or non-thesis option will complete at least 108 semester hours for their combined degree program.

M.A./M.S. Program in Government and Politics/Library and Information Science

Under the administration of the Graduate Division of Arts and Sciences, the Department of Government and Politics and the Division of Library and Information Science offer a joint program of study leading to the Master of Arts in Government and Politics and Master of Science in Library and Information Science degrees. Students complete a total of 57 credits (thesis or non-thesis) rather than the 69 credits (thesis or non-thesis) usually required.

The combination of the two masters programs will provide students with the opportunity to integrate two complementary bodies of knowledge: Government and Politics and Library Science. The graduate program in Government and Politics will supplement the graduate program in Library Science by broadening and deepening a student's understanding of the governmental structure, institutions, public administration, and political/legal processes, while at the same time mastering contemporary means of accessing and utilizing related information.

Entrance Requirements

Students must meet the requirements of admission to both the Master of Arts in Government and Politics and the Master of Science in Library and Information Science programs as set forth in their respective sections of this bulletin.

Program Requirements

All M.A./M.S. students will complete curriculum requirements for each degree with four courses (12 credits) applying to both programs.

These exchange courses include:

GOV 205 Modern Political Research
One GOV course in the student's area of concentration

Two of the following LIS courses:

- LIS 222 Materials and Services to Diverse Populations
- LIS 237 Metadata for Information Professionals
- LIS 260 Information Use and Users

All students must complete the written comprehensive examination in Government and Politics and an ePortfolio in Library and Information Science.

Combined Degree Programs: Undergraduate/Graduate

B.A./M.A. in Government and Politics

The Department of Government and Politics offers an accelerated combined degree program leading to both the B.A. and M.A. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in government and politics at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. in Communication Arts/M.A. in Government and Politics

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Communication Arts and the M.A. in Government and Politics, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in government and politics, including GOV 1050, Research Methods for Government and Politics, at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. in Criminal Justice/M.A. in Government and Politics

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Criminal Justice and the M.A. in Government and Politics, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in government and politics, including GOV 1050, Research Methods for Government and Politics, at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. in Journalism/M.A. in Government and Politics

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Journalism and the M.A. in Government and Politics, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in government and politics, including GOV 1050, Research Methods for Government and Politics, at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. in Legal Studies/M.A. in Government and Politics

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Legal Studies and the M.A. in Government and Politics, typically within five years of full-time study. Undergraduate students

with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in government and politics, including GOV 1050, Research Methods for Government and Politics, at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Pathways: Undergraduate/Graduate

B.A. Global Development and Sustainability / M.A. Government and Politics Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.A. program in Global Development and Sustainability and the M.A. program in Government and Politics. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.S. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

B.A. Public Administration and Public Service / M.A. Government and Politics Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.A. program in Global Development and Sustainability and the M.A. program in Government and Politics. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.S. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's

with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathways, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Financial Aid Opportunities

In addition to the Graduate Assistantships provided to the department by the University, students who are currently employed by a local, municipal, state, or federal agency on the management level are encouraged to apply for the Special Graduate Scholarship program. To be eligible, applicants must be accepted to the M.A. program in Government and Politics as matriculated students and remain in the employ of the public sector for the duration of the scholarship. For further information, students may consult the chair.

Employees of the United Nations may be eligible for the Pope Paul VI scholarship. To be eligible, applicants must be accepted to the M.A. program in Government and Politics as matriculated students, be listed in the UN Blue Book entitled Permanent Missions to the United Nations, and remain in the employ of the United Nations for the duration of the scholarship. For further information, students may consult the chair.

Courses

The department strives for accuracy with regard to the schedules of courses and their instructors. However, it reserves the right to alter either or both as needs arise. Students are advised to consult the online course listing posted at the start of each pre-registration period.

Courses by Area of Concentration

Required Courses:

205 Modern Political Research 3 cr.

I. American Government

140 The Federalist Papers 3 cr.
 141 Politics and Religion 3 cr.
 145 American Governmental Process: The Presidency 3 cr.
 146 American Governmental Process: The Legislature 3 cr.
 148 Politics and the Media 3 cr.
 149 Campaigns and Elections 3 cr.
 157 American Foreign Policy 3 cr.
 183 The Puerto Rican Contribution to American Society 3 cr.
 195 American Constitutional Development I 3 cr.
 196 American Constitutional Development II 3 cr.
 198 American Political Parties and Interest Groups 3 cr.

216 United States Intelligence Policy 3 cr.
 217 American Defense Policy 3 cr.
 218 American Public Policy 3 cr.
 220 American Political Thought 3 cr.
 233 Constitutional Law: The Three Branches 3 cr.
 234 Constitutional Law: The Bill of Rights 3 cr.
 239 Municipal Government and Administration 3 cr.
 241 State and Local Government 3 cr.
 335 Legislative Internship Program I 3 cr.
 336 Legislative Internship Program II 3 cr.
 364 American National Security Policy 3 cr.
 369 Seminar: Constitutional Law 3 cr.

II. International Relations

152 Migration Policy and Politics 3 cr.
 153 International Organization 3 cr.
 156 Global Environmental Politics 3 cr.
 164 Foundations of International Relations 3 cr.
 183 The Puerto Rican Contribution to American Society 3 cr.
 189 Political and Administrative Problems of Developing Nations 3 cr.
 191 International Peacekeeping 3 cr.
 199 Issues in Global Politics 3 cr.
 212 Global Energy Politics 3 cr.
 263 War, Revolution, and Terrorism 3 cr.
 264 International and Transnational Relations 3 cr.
 271 Theory and Practice of Diplomacy 3 cr.
 277 International Political Economy I 3 cr.
 278 International Political Economy II 3 cr.
 291 Great Powers from a Global Perspective 3 cr.
 293 Administration of International Organizations 3 cr.
 341 International Law: Law of Peace 3 cr.
 342 International Human Rights Law 3 cr.
 343 International Law: Law of International Transactions 3 cr.
 344 International Law: Law of War and Neutrality 3 cr.
 364 American National Security Policy 3 cr.
 366 Mediating International Conflict 3 cr.
 367 Military Force in International Relations 3 cr.
 370 Arms Control and Nonproliferation: Theory and Policy 3 cr.

III. Comparative Politics

131 Politics of the Middle East 3 cr.
 133 Contemporary Far Eastern Governments and Politics 3 cr.
 135 Governments and Politics in Europe 3 cr.
 136 Politics of the European Union 3 cr.
 137 Government and Politics of Latin America 3 cr.
 150 Politics of Nationalism and Ethnicity 3 cr.
 152 Migration Policy and Politics 3 cr.
 157 American Foreign Policy 3 cr.
 188 Comparative Public Administration 3 cr.

199 Issues in Global Politics 3 cr.
 225 Contemporary Western European Governments and Politics 3 cr.
 226 Politics of the French-Speaking World 3 cr.
 230 Politics of Russia and the Post-Soviet Republics 3 cr.
 250 Politics of Africa 3 cr.
 269 Global Politics of Gender 3 cr.
 279 Comparative Law 3 cr.
 290 Administration in Transitioning Countries 3 cr.
 296 Politics of the Welfare State 3 cr.
 264 International Politics 3 cr.
 347 Seminar: Special Topics in Developing Areas 3 cr.
 366 Mediating International Conflict 3 cr.
 368 Democracy Capitalism and Crisis 3 cr.

IV. Political Theory

140 Federalist Papers 3 cr.
 162 Modern Political Ideologies 3 cr.
 174 Ancient Political Theory 3 cr.
 175 Modern Political Theory 3 cr.
 176 Politico-Religious Mass Movements 3 cr.
 177 Contemporary Political Theory 3 cr.
 220 American Political Thought: The Formative Period 3 cr.
 221 American Political Thought Since 1820 3 cr.
 269 Global Politics of Gender 3 cr.
 280 Marxism-Leninism 3 cr.
 368 Democracy Capitalism and Crisis 3 cr.
 376 Seminar: Political Theory 3 cr.

V. Public Policy and Political Administration

163 Ethical Problems in Government and Public Administration 3 cr.
 181 Principles of Public Administration 3 cr.
 182 Public Personnel Administration 3 cr.
 184 Introduction to Organization Development 3 cr.
 188 Comparative Public Administration 3 cr.
 189 Political and Administrative Problems of Developing Nations 3 cr.
 190 Labor Relations and Collective Bargaining in Government 3 cr.
 192 Public Finance and Budget Administration 3 cr.
 210 Scope and Methods of Political Science and Public Administration 3 cr.
 215 Research Methods and Quantitative Analysis 3 cr.
 216 United States Intelligence Policy 3 cr.
 217 American Defense Policy 3 cr.
 218 Public Policy – American 3 cr.
 235 Internship in Public Administration I 3 cr.
 236 Internship in Public Administration II 3 cr.
 239 Municipal Government and Administration 3 cr.
 241 State and Local Government 3 cr.
 245 Theories of Public Administration 3 cr.

285	Administrative Law and Government	3 cr.
290	Political and Administrative Problems of Socialist/Post-Socialist Countries	3 cr.
293	Administration of International Organizations	3 cr.
296	Politics of the Welfare State	3 cr.
325	Economic Analysis of Public Policy	3 cr.
370	Arms Control and Nonproliferation Theory and Policy	3 cr.

VI. Courses Common to All Concentrations

357	Reading and Research	3 cr.
900	Master's Research (two semesters)	3 cr. (6 cr. total)

VII. Additional Courses

420	Colloquia	0 cr.
500	Comprehensive Exam	0 cr.
925	Maintaining Matriculation	0 cr.

Courses by International Affairs Tracks

Required Courses:

164	Foundations of International Relations	3 cr.
205	Modern Political Research: International Affairs	3 cr.

I. International Organizations and Institutions

136	Politics of the European Union	3 cr.
188	Comparative Law	3 cr.
191	International Peacekeeping	3 cr.
212	Global Energy Policy	3 cr.
264	International and Transnational Relations	3 cr.
271	Theory and Practice of Diplomacy	3 cr.
293	Administration of International Organizations	3 cr.
341	International Law: Law of Peace	3 cr.
342	International Human Rights Law	3 cr.
343	International Law: Law of International Transactions	3 cr.
344	International Law: Law of War and Neutrality	3 cr.
367	Military Force in International Relations	3 cr.
370	Arms Control and Nonproliferation: Theory and Policy	3 cr.

II. Global Security Policy

191	International Peacekeeping Interventions	3 cr.
263	Politics of Revolution, War, and Terrorism	3 cr.
291	Great Powers from a Global Perspective	3 cr.
344	International Law: Law of War and Neutrality	3 cr.
364	US National Security Policy	3 cr.
365	Mediating International Conflict	3 cr.
367	Military Force in International Relations	3 cr.

370	Arms Control and Nonproliferation: Theory and Policy	3 cr.
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III. European Politics and Policy

135	Governments and Politics in Europe	3 cr.
136	Politics of the European Union	3 cr.
225	Contemporary Western European Governments and Politics	3 cr.
230	Politics of Russia and the Post-Soviet Republics	3 cr.
296	Politics of the Welfare State	3 cr.
368	Democracy, Capitalism and Crisis	3 cr.

IV. Development, Resilience, and Sustainability

131	Politics of the Middle East	3 cr.
133	Contemporary Far Eastern Governments and Politics	3 cr.
137	Government and Politics of Latin America	3 cr.
150	Politics of Nationalism and Ethnicity	3 cr.
152	Migration Politics and Policy	3 cr.
156	Global Environmental Politics	3 cr.
189	Political and Administrative Problems of Developing Nations	3 cr.
212	Global Energy Politics	3 cr.
250	Politics of Sub-Saharan Africa	3 cr.
269	Global Politics of Gender	3 cr.
270	Green Political Theory	3 cr.
293	Administration of International Organizations	3 cr.

Courses

205 Modern Political Research

A review of scope and methods in government and politics; an analysis of classical, behavioral, and postbehavioral approaches to research; a presentation of major disciplinary research paradigms. *Credit: 3 semester hours. Required for all M.A. students.*

131 Politics of the Middle East

Introduction to the politics of the Middle East and North Africa. It focuses on important domestic, regional, and international developments since World War II, and on key issues such as democratization, nationalism, and the politics of religion and oil. *Credit: 3 semester hours.*

133 Contemporary Far Eastern Governments and Politics

Modern political developments in the Far East; their constitutional systems; government organizations and political problems; critical study of the factors contributing to the Communist occupation of China. *Credit: 3 semester hours.*

135 Governments and Politics of Europe

Democratization process and market-reform transition in East and Central Europe, eastward enlargement of the European Union and the impact of the post-communist legacy. *Credit: 3 semester hours.*

136 Politics of the European Union

This course will examine the concepts of the European integration, intergovernmental, and supranational aspects of the E.U., enlargement of the E.U., major institutions of the E.U. and their role, and the major Nation-States in the European Union. *Credit: 3 semester hours.*

137 Government and Politics of Latin America

A study of the government and politics of modern Latin America; analysis of the formal and informal political structure of the Latin American States; study of contemporary conditions and trends. *Credit: 3 semester hours.*

140 The Federalist Papers

This course examines the intellectual influences and historical setting surrounding the Philadelphia Constitutional Convention. *Credit: 3 semester hours.*

141 Politics and Religion

The relationship between religion and politics in the liberal democratic order is explored with special attention to the American case. *Credit: 3 semester hours.*

145 American Governmental Process: The Presidency

This course examines the paradox of the modern presidency: increased expectations alongside limited power. It considers the differing expectations and assessments of the presidency from other political actors, including the media, the public, and scholars. *Credit: 3 semester hours.*

146 American Governmental Process: The Legislature

This course examines the functions of Congress: lawmaking, oversight, and representation. The course explores how the branch was created, how individuals get to Congress, the complex and archaic rules, and the politics of Washington. *Credit: 3 semester hours.*

148 Media and Politics

This course explores the role of the mass media in American politics. This course evaluates various models and theories of political communication, the construction of news, agenda setting, and the evolution of the American news media in both the electoral and governing processes. *Credit: 3 semester hours.*

149 Campaigns and Elections

This course explores the processes and politics of American campaigns and elections, focusing on the roles of voters, candidates, and the press as well as the systemic features arising out of the constitutional design. It evaluates various models and theories of political communication, political behavior, and voting behavior as well as the strategic decision-making of candidates. *Credit: 3 semester hours.*

150 Politics of Nationalism and Ethnicity

Development of the nation-state system and nationalism following the French Revolution;

the question of self-determination of peoples; resurgent nationalism; politicization of ethnicity and the break-up of states; and the challenges of multiethnic states. *Credit: 3 semester hours.*

152 Migration Policy and Politics

Politics, policy, and patterns of national and transnational migration; causes, costs, and benefits of migration; policy debates and dilemmas; economic and security dimensions; assimilation, integration, and citizenship issues. *Credit: 3 semester hours.*

153 International Organization

Early ideas of international organization, the development of international organization in the 19th century, the League of Nations, the United Nations and the prospect of world government. *Credit: 3 semester hours.*

156 Global Environmental Politics

The emergence of environment into the political arena and the consequent nature of international relations; sustainable development; the available avenues for cooperation within the international political system. *Credit: 3 semester hours.*

157 American Foreign Policy

Concept of national interest; the nature, instruments, and factors influencing American foreign power; institutional actors and examples of contemporary American foreign policy. *Credit: 3 semester hours.*

162 Modern Political Ideologies

An analysis of the Enlightenment, democracy, Marxism-Leninism, nationalism, socialism, facism, Nazism, Zionism, Anarchism; the development of recent ideologies; resurgent nationalism, liberation "theology," Islamic, radical feminism; the ideology of revolution and elitist theory. *Credit: 3 semester hours.*

163 Ethical Problems in Government and Public Administration

Current and recurrent problems and behavior in government: conflict of interest, official disobedience, corruption, deception and security, and issues of liberty and morality. *Credit: 3 semester hours.*

164 Foundations of International Relations

Survey of International Relations Theory, examining theoretical approaches and perspectives on the questions of world politics. *Credit: 3 semester hours.*

174 Ancient Political Theory

Primarily Plato and Aristotle. Fundamental questions about politics—What is justice? Who should rule? What is citizenship? What is the proper relationship between ethics and politics? *Credit: 3 semester hours.*

175 Modern Political Theory

Traces the development of a modern approach to political life—the break between ethics and politics, emergence of liberalism and modern conservatism, the development of democratic theory. *Credit: 3 semester hours.*

176 Politico-Religious Mass Movements

Political-religious mass movements have a long history. Students are encouraged to apply emerging principles to contemporary movements. Student and lecture presentations. *Credit: 3 semester hours.*

177 Contemporary Political Theory

Recent developments in contemporary political theory—progressive liberalism, libertarianism, communitarianism, conservatism, neo-Aristotelianism, feminism, and global democratic theory. *Credit: 3 semester hours.*

181 Principles of Public Administration

Administration of public agencies; federal, state and local administrative problems; responsibility of the administrator to the public; shifting perceptions of the function of public agencies and administrators. *Credit: 3 semester hours.*

182 Public Personnel Administration

Personnel administrative theory in public agencies, including development of civil service, recruitment, examination, promotion and position classification, discipline, and retirement. *Credit: 3 semester hours.*

183 The Puerto Rican Contribution to American Society

Commonwealth structure and services, cultural highlights and problems, educational developments and related items. Puerto Ricans will be investigated through their contributions and difficulties. *Credit: 3 semester hours.*

184 Introduction to Organizational Development

Prerequisite: Gov 181 or 182, or permission of instructor. Improving interpersonal communication skills, building awareness of different personality preferences and team-building. Database and spreadsheet computer applications will be introduced. *Credit: 3 semester hours.*

188 Comparative Public Administration

Emphasis on general concepts, administration in selected Western European and developing nations; the relationship of culture and political systems to administrative organs and functions. *Credit: 3 semester hours.*

189 Political and Administrative Problems of Developing Nations

Political and administrative institutions of developing nations; problems of newly developing nations and their bureaucracies; heritage of European and other colonial systems in these nations. *Credit: 3 semester hours.*

190 Labor Relations and Collective Bargaining in Government

Focus on the institutions of collective bargaining in the public sector: its development, structure and process; emphasis on the role of public policy as it relates to public sector bargaining in the United States. *Credit: 3 semester hours.*

191 International Peacekeeping

Peacekeeping operations and humanitarian interventions are an important component of contemporary international relations. This course provides an advanced analysis of the theoretical and practical dimensions of these complex missions, addressing issues of sovereignty, the right to protect, human rights, and the establishment of local security, among other issues. *Credit: 3 semester hours.*

192 Public Finance and Budget Administration

Government fiscal policy, taxation, budget policy, government and the economy, budget cycles, budget reform, PPBS, program planning, information systems, zero-base budgeting, capital budgeting. *Credit: 3 semester hours.*

195 American Constitutional Development I

The sources, framing and development of the US Constitution during the 18th and 19th centuries; historical and social framework of cases and trends; discussion of current problems of interpretation. *Credit: 3 semester hours.*

196 American Constitutional Development II

The sources and development of the US Constitution through the 20th-century historical and social framework of landmark cases and trends; discussion of current problems of constitutional interpretation. *Credit: 3 semester hours.*

198 American Political Parties and Interest Groups

This course explores representation; the translation of opinion and interests into outcomes in the political system. The course examines the origins of political parties and interest groups, their transformations over time, and their role in modern political life. *Credit: 3 semester hours.*

199 Issues in Global Politics (Mini-Session)

Field Study conducted in different geographical areas and examining a single area-specified political issue within a larger global context and theme. *Credit: 3 semester hours.*

210 Scope and Methods of Political Science and Public Administration

Classical, behaviorist, and postbehaviorist paradigms in public administration; approaches to politics including: systems modeling, group theory, structural-functionalism, decision theory, conflict analysis and collective choice theory. *Credit: 3 semester hours.*

212 Global Energy Politics and Policy

A critical examination of policies related to traditional carbon-based energy, renewable energy sources, energy and sustainable development, energy use and environmentalism, and global energy. *Credit: 3 semester hours.*

215 Research Methods and Quantitative Analysis

Theory construction, research designs, survey methods and statistical techniques; emphasis on the critical evaluation of academic research and professional reports. *Credit: 3 semester hours.*

216 United States Intelligence Policy

This course examines the development and evolution of the United States intelligence community, focusing on the key challenge of intelligence analysis. *Credit: 3 semester hours.*

217 American Defense Policy

This course examines the United States Defense establishment, including the respective roles of the Department of Defense, the uniform services, and relevant legislative committees. *Credit: 3 semester hours.*

218 American Public Policy

An analysis of public policy; the impact of political parties and interest groups on policy; executive and legislative formulation of policy; bureaucratic implementation of policy and policy evaluation. *Credit: 3 semester hours.*

220 American Political Thought: The Formative Period

The colonial era and the Revolutionary and Constitution-making experiences, with emphasis on the writings of individual theorists who illustrate classical principles of political theory. *Credit: 3 semester hours.*

221 American Political Thought Since 1820

Selected major thinkers and movements shaping the U.S., such as Jacksonian democracy, Lincoln, Progressivism, Social Darwinism, equality movements, New Left, and New Right. *Credit: 3 semester hours.*

225 Contemporary Western European Governments and Politics

Comparison of West European governments in transition from sovereign states to the integration into the European Union; examination of political, economic, social problems; and current policy developments. *Credit: 3 semester hours.*

226 Politics of the French-Speaking World

Nearly 450 million people from 29 middle and lower income countries have French as their official language. The course will comprehensively and systematically analyze politics across the French-speaking world. *Credit: 3 semester hours.*

230 Government and Politics of Russia and CIS

Political, economic, and cultural developments in the post communist governments; the Commonwealth of Independent States; and the division of power in the post-Soviet Union era. *Credit: 3 semester hours.*

233 Constitutional Law: The Three Branches

Cases and materials dealing with procedural rights. *Credit: 3 semester hours.*

234 Constitutional Law: The Bill of Rights

Cases and materials dealing with substantive rights. *Credit: 3 semester hours.*

235 Internship Program in Public Administration I

Participation in a supervised program of regularly scheduled work and independent research in a government agency under the direction of the faculty and the agency head. Registration only with permission of the chair. *Credit: 3 semester hours.*

236 Internship Program in Public Administration II

Participation in a supervised program of regularly scheduled work and independent research in a government agency under the direction of the faculty and the agency head. *Credit: 3 semester hours.*

239 Municipal Government and Administration

Urbanization in the United States; the socio-economic environment of American urban politics; intergovernmental relations and the city; political party and reform influence on urban governance. *Credit: 3 semester hours.*

241 State and Local Government

American federalism and intergovernmental relations; socioeconomic and regional influences on state politics; interest groups and lobbying in state capitals; the policy effects of the professionalization of state governments. *Credit: 3 semester hours.*

245 Theories of Public Administration

The evolution of public administration theory in the areas of organizational structure, personnel management, and inter-organizational relations; emphasis on classical, modern, and post-modern interpretations of organizational behavior. *Credit: 3 semester hours.*

250 Politics of Africa

Using theoretical constructs from the fields of comparative politics, international relations and political economy, this course introduces students to Africa's political systems, interstate relations, and foreign policies. *Credit: 3 semester hours.*

260 European Conflict, Cooperation, and Development, Part I

Examination of the major political forces that shaped the development of the nation state and international relations of Early Modern Europe. *Credit 3 semester hours.*

263 War, Revolution, and Terrorism

A comprehensive survey of the political violence within contemporary political systems. *Credit: 3 semester hours.*

264 Global Politics: International and Transnational Relations

Scope and method of international politics, international political systems; concepts and elements of national power; constraints of

national power; balance of power, world public opinion, international law; methods of international politics. *Credit: 3 semester hours.*

269 Global Politics of Gender

This course examines the politics of gender in the international arena, from both comparative and global perspectives, grounded in political theory. It will examine gender policy, movements, and non-governmental groups concerned with gender issues and their effect on institutions of government and society. *Credit: 3 semester hours.*

271 Theory and Practice of Diplomacy

Nature, development, structure, and procedures of diplomacy; functions and qualities of diplomats; process of negotiation; foreign service of major powers; value of diplomacy. *Credit: 3 semester hours.*

275 Green Political Theory

Examination of fundamental normative issues of the value, justice, the state, citizenship, obligation, rights, community, democracy in response to environmental social movements and thought. *Credit: 3 semester hours.*

277 International Political Economy I

An economic interpretation of international politics with emphasis upon politico-economic relations between the more developed nations within the East-West context; development of the post-World War II Western international monetary system and system of commerce. *Credit: 3 semester hours.*

278 International Political Economy II

An economic interpretation of international politics with emphasis upon politico-economic relations between the developed and underdeveloped countries; the ideological development and foreign economic politics of the emerging nations of the world. *Credit: 3 semester hours.*

279 Comparative Law

A critical examination of the origin, sources and growth of Civil Law, Common Law, and Socialist Law; historical and situational factors attending their formation and their influences on diverse societal structures. *Credit: 3 semester hours.*

280 Marxism-Leninism

Hegel, Feuerbach, and other major influences on Marx. Analysis of the principal works of Marx-Engels, Lenin and Trotsky; late 20th-century evaluations of Marxism; the continuing influence of Marxism, especially in the academic world. *Credit: 3 semester hours.*

285 Administrative Law and Government

Problems and cases in Administrative Law; the powers and procedures of administrative agencies, including the law concerning judicial review of administrative action; delegation; rule-making adjudication. *Credit: 3 semester hours.*

290 Administration in Transitioning Countries

Comparative study of public administration in emerging countries including Central and Southern Europe, former Soviet Republics, and other states experiencing system transition such as China, Cuba, South Africa, and North Korea. *Credit: 3 semester hours.*

291 Great Powers from a Global Perspective

Development of great power politics in the post-World War II period and the strategic relationship of Russia (Soviet Union), China, and the United States from a global perspective. *Credit: 3 semester hours.*

293 Administration of International Organizations

Administration of contemporary international organizations, emphasizing structural and administrative organization and patterns; administrative responsibility and personnel administration, with specific emphasis on the United Nations. *Credit: 3 semester hours.*

294 International Peacekeeping and Interventions

A study of the politics of international peace-keeping, humanitarian operations and interventions. The theoretical challenges that these operations pose to the international state system and the practical challenges of mission organization and deployment. Cases will be drawn from the Balkans, Africa, and Central Asia. *Credit: 3 semester hours.*

296 Politics of the Welfare State

This course analyzes the politics of the welfare state and welfare policy from both comparative and global perspectives. The course will examine welfare state regime type, patterns of welfare state development, and comparisons of national policies and programs. It will also examine newer theories of global social policy. *Credit: 3 semester hours.*

298 European Political Parties and Party Systems

Study of the development of political party systems within European states, the larger European polity, and the ideological party spectrum, as well as national parties and transnational party groupings. *Credit 3 semester hours.*

325 Economic Analysis of Public Policy

An introduction to micro- and macro-economic perspectives on public policy, with emphasis on: cost-benefit analysis and its theoretical foundations; problems and programs at the local government level; the impact of public policy on the economy. *Credit: 3 semester hours.*

335 Legislative Internship Program I

Participation in a supervised program of regularly scheduled work and independent research in the office of a legislator or legislative committee under the direction of the faculty. Limited to students accepted into

approved legislative internships. Permission of the chair required. *Credit: 3 semester hours.*

336 Legislative Internship Program II

Participation in a supervised program of regularly scheduled work and independent research in the office of a legislator or legislative committee under the direction of the faculty. Limited to students accepted into approved legislative internships. Permission of the chair required. *Credit: 3 or 6 semester hours.*

341 International Law: Law of Peace

Study subjects of international law: international law, law of recognition of state and government, law of state extinction and succession, rules of international law governing territory, nationality, jurisdiction, and state responsibility. *Credit: 3 semester hours.*

342 International Human Rights Law

An introduction to the study of international human rights law. The course will address the theoretical foundations, history, and applications of international human rights law. *Credit: 3 semester hours.*

343 International Law: Law of International Transactions

Agents of international intercourse, treaties and other international agreements, pacific settlement of international disputes and forcible measures of redress short of war; comprehensive case studies. *Credit: 3 semester hours.*

344 International Law: Law of War and Neutrality

Development and sources of the laws of war and neutrality; legal effects of war in general; rules and regulations governing land warfare, air warfare and maritime warfare; neutral rights and duties. *Credit: 3 semester hours.*

346 Seminar: Dictatorship

Discussion of dictatorship, utilizing formal student oral reports and commentaries. Reports follow introductory sessions concerning the course requirements, methodologies, and introductory remarks concerning selected topics. *Credit: 3 semester hours.*

347 Seminar: Special Topics in Developing Areas

Special topics discussed utilizing formal oral reports and commentaries. Reports follow introductory sessions concerning course requirements and methodologies and introductory remarks concerning politics in developing areas. *Credit: 3 semester hours.*

357 Reading and Research

Individually directed reading programs, together with relevant research. *Credit: 3 semester hours.*

364 American National Security Policy

Analysis of the decision-making process for American national security affairs and the debate over its goals, national interest or the propagation of democracy; view of the Founding Fathers; the National Security Act of 1947. *Credit: 3 semester hours.*

366 Mediating International Conflict

The course is a study the processes of negotiation and mediation used to resolve international violent conflicts. The course addresses efforts to mediate resolutions for both intrastate and interstate conflicts, as well as the theoretical underpinnings of international conflict resolution through the use of case studies. *Credit: 3 semester hours.*

367 Military Force in International Relations

This course introduces the basic concepts and theories concerning the role of the military force in international relations, examines major theoretical approaches that explain and predict great power conflict and analyzes critical case studies. *Credit: 3 semester hours.*

368 Democracy Capitalism and Crisis

This course will focus on the vulnerability of capitalist democracies to crises, as well as how they respond when faced with crises. Although historical cases will be examined, the emphasis will be on the contemporary political context. Theoretical frameworks will include democratic theory, crisis theory, Marxism, and contemporary political economy. *Credit: 3 semester hours.*

369 Seminar: Constitutional Law

The seminar deals with a contemporary issue in Constitutional Law. *Credit: 3 semester hours.*

370 Arms Control and Nonproliferation: Theory and Policy

This course introduces issues related to the international arms control cooperation and the development and implementation of U.S. nonproliferation and counterproliferation policies. *Credit: 3 semester hours.*

376 Seminar: Political Theory

The seminar deals with one contemporary issue in theory, publicized prior to registration; Imperialism; Resurgent Nationalism; the theory of rights; emergency powers; revolution; terrorism; world government. *Credit: 3 semester hours.*

420 Colloquia

At these meetings, issues in the discipline and research topics of interest are discussed by faculty, alumni and distinguished outside speakers. Held twice each semester. All majors are expected to attend. *No credit; no fee.*

500 Comprehensive Examination

This exam tests the student's knowledge in their field of concentration. *No credit.*

900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the M.A. requirements. *Credit: 3 semester hours.*

925 Maintaining Matriculation

M.A. students not registered for other courses must register for 925 until all degree requirements are completed and the degree is granted. *No credit. Fee: \$100 per semester.*

For a complete listing of approved courses, please contact the Dean's Office.

Department of History (HIS)

Faculty Advisor

Each student is assigned a faculty advisor who takes full charge of the student from admission to graduation. Students should address all departmental matters to their faculty advisor, including program planning, registration for courses, and appointment of mentors.

Programs of Study

Master of Arts (M.A.) in History

Entrance Requirements

Acceptance into the M.A. program presupposes that the student has taken a minimum of 24 semester hours of appropriate undergraduate courses in history approved by the department and the Admissions Committee. Students lacking undergraduate preparation should consult with the Coordinator of Graduate Studies. Students will not be accepted into the graduate program until all undergraduate deficiencies have been corrected.

Program Requirements

- Courses:** A minimum of 33 semester hours in history. Prescribed courses include Historical Methods (HIS 401) and Historiography (HIS 402). Students who elect to write a master's thesis must complete six credits of Master's Research (HIS 900). The remaining courses, to be arranged in consultation with the student's advisor, are to include a minimum of 18 credits in the area of concentration and for non-thesis students, a minimum of six credits of coursework taken in any one field outside of the area of concentration.
- Language:** Knowledge of a foreign language is required for students in the thesis program. This may be evidenced in a manner deemed appropriate by the department. The department may permit a substitution if it is pertinent to the field of research. Students in the non-thesis program are not required to demonstrate competency in a foreign language.
- Comprehensive Examination:** Master's comprehensive examinations may not be taken before the last semester of coursework. This test of the student's knowledge in the area of concentration consists of four hours of written and/or oral examination. In preparation, the student is directed to consult with the

Graduate Director and their faculty advisor well in advance of the examination. (See "Comprehensive Examination.")

- Thesis:** Students electing to submit a thesis as part of the M.A. program must demonstrate an understanding and application of proper historical methods and present their findings clearly and in accordance with the University format. The thesis topic should be developed with a faculty advisor before enrolling in HIS 900.
- Department Colloquia:** As part of HIS 970, all students must attend scheduled departmental colloquia, where current historical topics are discussed by faculty, students, and outside guests.

Areas of Concentration

- American History
- European History
- Global History
- Women's and Gender History

Master of Arts (M.A.) in Public History

The two-year, 33-credit M.A. in Public History program consists of 24 credits of coursework, a six-credit internship, and an additional three-credit capstone project. Opportunities for service, internships, or independent study are available at our Queens campus as well as our locations in Rome, Italy and Paris, France. Public History students may pursue interdisciplinary coursework in History, Museum Administration, and Library and Information Science.

Acceptance into the M.A. in Public History program requires that a student has taken a minimum of 24 semester hours of appropriate undergraduate coursework in humanities and social science fields approved by the department and the Admissions Committee. Students lacking undergraduate preparation should consult with the Coordinator of Graduate Studies. Students will not be accepted into the graduate program until all undergraduate deficiencies have been corrected.

Program Requirements

- Courses:** A minimum of 33 semester hours in history. A maximum of 12 credits may be substituted from Library and Information Science or another appropriate graduate program upon approval of the Graduate Director. Prescribed courses include Historical Methods (HIS 401), Introduction to Public History (HIS 500), Public History Internship (HIS 980), and Public History Final Project (HIS 981).
- Portfolio:** Submission and faculty review of a digital portfolio reflective of the final project.
- Department Colloquia:** All students must register and attend HIS 970.

M.A./M.S. Public History/Library and Information Science

Under the administration of the Graduate Division of the College of Liberal Arts and Sciences, the Department of History and the Division of Library and Information Science offer a joint program of study leading to the Master of Arts in Public History and Master of Science in Library and Information Science degrees. Students complete a total of 57 credits rather than 66 credits required if both degrees are pursued separately.

The combination of these two graduate degrees will provide students with the theoretical understanding and technical skills needed to help libraries, archives, schools, museum, government agencies, and corporations ethically serve diverse global audiences and promote responsible stewardship of information and cultural resources.

Entrance Requirements

Students must meet the requirements of admission to both the Master of Arts in Public History and the Master of Science in Library and Information Science programs as set forth in their respective sections of this bulletin.

Program Requirements

All M.A./M.S. students will complete curriculum requirements for each degree with four courses (12 credits) applying to both programs. These exchange courses include HIS 401 Modern Historical Research and three of the following:

HIS 404/LIS 253	Oral History
HIS 510	History of Material Culture
HIS 512	History as Visual Record
HIS 506	U.S. Museums and Historic Sites
HIS 525	Advanced Topics in Public History

All students must complete internships in Public History and Library and Information Science, a Public History final project, and an ePortfolio in Library and Information Science to culminate their degrees.

B.A./M.A. in History

The Department of History offers an accelerated combined degree program leading to both the B.A. and M.A. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in history at St. John's University are encouraged to apply. Students accepted into the program typically complete 15 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Doctor of Philosophy (Ph.D.) in World History

The Ph.D. in World History redefines and reclaims the vital roles that professionals with advanced humanities training play in our complex, global society. It combines traditional academic rigor in research with an emphasis on new pedagogies, interdisciplinary study, technology, collaborative work, community engagement, and a unique approach to internship training. The program is geared toward both the traditional full-time doctoral student and the working professional seeking a degree part time.

Entrance Requirements

The following materials must be submitted with all applications:

1. Applicants must present evidence of successful completion of a B.A., with at least 24 credits in history. Applicants with graduate credits in history may apply for transfer credit or up to 18 credits of advanced standing with approval of the department and Dean's office. Graduate courses completed at St. John's University, earning a "B" (3.0) or higher, will not be subject to this limit. All academic transcripts should be submitted to provide verification of degree conferral, GPA, and current coursework.
2. Applicants must present a cumulative index of 3.0 overall and a minimum of 3.5 in history courses.
3. Applicants must supply three letters of reference, at least one of which attests to the applicant's research ability, a recent sample of written work and a personal statement of professional experience and career goals.
4. Graduate Record Examination (GRE) scores are optional for the Ph.D. program. The subject GRE is not required.

Program Requirements

The Ph.D. requires completion of a minimum of 60 credits beyond the B.A. degree, distributed as follows:

1. Completion of a historical methods course, HIS 401.
2. Completion of four world history seminars (12 credits total), to be chosen from HIS 701-709.
3. Completion of 27 credits of graduate history courses, of which 12 credits should be a major area of concentration and 15 credits should be electives.
4. Completion of six credits of Doctoral Internship (HIS 905; 906). The internship is a two-semester, six-credit supervised teaching

experience designed to enable the student to step confidently and competently into a variety of professional historical settings upon completion of the doctoral program. To this end, interns will receive intensive hands-on training under the close supervision of a faculty member from the department. Students who enter the program with permanent New York State certification (which requires two or more years of full-time teaching experience) are not required to take the six-credit internship, though they may elect to do so.

Students may also complete a two-semester professional internship for a total of six credits. The internship will provide a supervised practical experience that can be fulfilled either as a teaching assistant in a survey course, in a public history setting such as a museum, archive, or restoration project, or in some other kind of appropriate activity reflecting the student's professional interests. With the approval of the Graduate Director, students may also propose an internship that develops certain skills relevant to applied history, such as film-making, editing, and digital media. Upon completion of the internship, the student will submit a formal analysis, media project, or other demonstration of the knowledge and professional skills that they have gained from the experience.

5. Demonstration of functional proficiency in a foreign language appropriate to the student's research. The student's dissertation committee determines the language ability which will be sufficient to complete the research project.
6. Successful completion of an annual portfolio where students will present progress towards completion of their degree and development of their research agenda. Failure to develop a portfolio and pass the portfolio review will constitute grounds for dismissal from the program.
7. Completion of a minimum 12 credits of Doctoral Research Workshop (HIS 975) is required of all students until the dissertation has been successfully defended. Students must pass a dissertation proposal defense. Upon completion of the dissertation, students must pass a dissertation defense. The Ph.D. dissertation must be based on primary source research and make an original contribution to the historical discipline. Dissertations are publications. They must advance a clear argument, include a compelling statement of significance, and conform to professional standards of research, writing, and citation. As they formulate, research, and write their dissertations, students must consult closely with their dissertation advisors. Students must perform their research in archives, libraries, museums, historical sites, or with databases approved by their advisor. As

students write individual chapters, they must submit drafts to their advisors for comments. They are also encouraged to share their chapters with other faculty members on their dissertation committee. In order to address comments and suggestions from their advisors (and from other readers), students should plan to do multiple revisions of their dissertation prior to defending. The dissertation must demonstrate an in-depth knowledge of the state of the historical field and relevant secondary sources, including books, articles, and dissertations. References must conform to the Chicago Manual of Style. The final essay must be approximately 225–300 pages, double-spaced, with notes. Ph.D. students have the option to complete a purely textual dissertation or develop a historical presentation or production that is accompanied by a research text, in which case the total product should be of comparable depth to the dissertation.

8. As part of HIS 970, all students must attend scheduled departmental colloquia, where current historical topics are discussed by faculty, students, and outside guests.

Additional Requirements

1. Students working towards the Ph.D. must complete all requirements for the degree within seven years. Credit may be denied for courses completed more than seven years prior to the granting of the degree.
2. Students may seek admission to the program after having successfully completed some graduate work at another accredited institution. Students may request transfer of credit for this work provided it has not been offered in fulfillment of another degree, in consultation with the Graduate Director and the Dean's Office. No credit will be allowed for courses in which the grade attained is below "B" (3.0).
3. After completing coursework, students must enroll in Doctoral Research Workshop (HIS 975) until the dissertation has been successfully defended.

Fellowships

Full-time students may apply for Doctoral Fellowships, which provide tuition remission and a stipend and require some weekly service to the department.

University Doctoral Fellowships, available to qualified part-time doctoral students, provide tuition remission for up to two graduate courses in each semester of the academic year. Based on academic merit, these fellowships require no service and award no stipend.

To apply for these awards or to receive more information about them, prospective students should contact the Dean's Office. For information concerning other types of financial aid and scholarships, see "Financial Aid."

Courses

Required Courses (M.A. in History)

401 Historical Methods

The science and art of history; principles and methods of historical research; historical bibliography; sources and their criticism; techniques of the research paper. *Credit: 3 semester hours.*

402 Historiography

A survey of historical explanations for large-scale phenomena over long stretches of time. *Credit: 3 semester hours.*

970 Department Colloquia

Graduate students must attend scheduled departmental colloquia, where current historical topics are discussed by faculty, students, and outside guests. *No credit; no fee.*

Required Courses (M.A. in Public History)

401 Historical Methods

The science and art of history; principles and methods of historical research; historical bibliography; sources and their criticism; techniques of the research paper. *Credit: 3 semester hours.*

500 Introduction to Public History

An examination of the subfields that constitute public history including historical preservation, cultural resources management, museum studies, and archival management; the research tools and analytical models employed in the field. *Credit: 3 semester hours.*

980 Internship in Public History

The internship provides first-hand experience of the practice of public history. Students will develop and execute their responsibilities in consultation with the Program Director and the sponsoring institution or individual. *Credit: 3 semester hours.*

981 Final Project in Public History

The capstone of the public history program. Students will conceive of a discrete project (organizing an archive, mounting an exhibition, preparing an institutional history, etc.) and see it through to its conclusion. A record of the project – and in many cases the record will be the project – should be created and made available in the various media appropriate to the material. *Credit: 3 semester hours.*

Required Courses (Ph.D. in World History)

401 Historical Methods

The science and art of history; principles and methods of historical research; historical bibliography; sources and their criticism; techniques of the research paper. *Credit: 3 semester hours.*

Students must take four of the following seminars:

701 World History Seminar in Gender and Sexuality

Advanced research and analysis of topics in women's and gender history from a world history perspective. Students will be introduced to key theoretical concepts in the field and will study comparative examples of gender systems in the United States, Europe, Latin America, Africa, and Asia. *Credit: 3 semester hours.*

702 World History Seminar in War, Peace, and Revolution

Advanced research and analysis in the history of war, peace, and revolution, from the perspectives of world history. Topics include the changing nature of war and peace from antiquity to the early modern period, wars of national unification, colonial and anti-colonial wars, social and political revolutions, civil wars, and various modes of peacemaking. *Credit: 3 semester hours.*

703 World History Seminar in State and Society

Advanced research into and analysis of the theoretical foundations and historical research on power and society. Topics include the development of the state and sovereignty in global perspective, empires and imperialism, dictatorship, welfare state, political culture and mass movements, and globalization and the erosion of state power. *Credit: 3 semester hours.*

704 World History Seminar in Historical Identities

Advanced research into and analysis of the major categories of historical identity, with special attention to their foundations and variable appeal across time. Topics include geography and climate, kinship, ideology, cultural rivalry, empire, and political and economic mastery. *Credit: 3 semester hours.*

705 World History Seminar in Technology and Science

Advanced research and analysis of major scientific and technological developments from the perspectives of world history, emphasizing the social and cultural context and interconnections of discovery and invention. *Credit: 3 semester hours.*

706 World History Seminar in Production, Consumption, and Trade

Advanced research and analysis of the world history of economic activity in the intertwined realms of production, trade and consumption from the 1400s through the present day. Traces the development of capitalism and critiques and alternatives to profit-seeking as the best means for organizing society. *Credit: 3 semester hours.*

707 World History Seminar in Cities and Countryside

Advanced research in and analysis of the history of changing landscapes from the perspectives

of urban and suburban history, rural history, and environmental history. Students will gain familiarity with the theories informing and the methods of study used in research in these fields. *Credit: 3 semester hours.*

708 World History Seminar in Diasporas, Migrations, and Borders

Advanced research in and analysis of the global history of coerced and free migrations between the 15th century and the present. Traces local, regional, and global structures that shaped human migration during this time; focuses on changing political and economic landscapes that explain human movement across time and space. *Credit: 3 semester hours.*

709 World History Seminar in Ideas and Culture

Advanced research in and analysis of multi-cultural topics in ideas and cultures, including world religions, thought systems, ideologies, and their interrelations, from a world history perspective. *Credit: 3 semester hours.*

970 Department Colloquia

Graduate students must attend scheduled departmental colloquia, where current historical topics are discussed by faculty, students, and outside guests. *No credit; no fee.*

Electives

106 Europe in the Cold War Era

Cold War conflict in Europe, 1946–1991. Cold War culture and society in Eastern and Western Europe; competition between the two blocs. The fall of Communism. *Credit: 3 semester hours.*

120 Race, Gender and Ethnicity in the Formation of National Identity in Modern Latin America

An analysis of the complex historical development of national identity in the context of race, gender, and ethnicity in modern Latin America. *Credit: 3 semester hours.*

122 The Russian Revolution

Historical analysis of Russian radical politics and social thought, culminating in the revolutions of 1905 and 1917. Political, cultural, economic, and social developments in the first decade of Soviet rule up to the Stalin or Second revolution of the late 1920s. *Credit: 3 semester hours.*

124 Development of the Communist World after 1945

The development of Communist societies in Europe, Asia, Africa, and the Americas, focusing on the period from 1945 to 1991. *Credit: 3 semester hours.*

125 Nazi Germany

The causes of the rise of the Nazis to power in Germany. The establishment of a dictatorial racial state, the Holocaust, and German aggression in the Second World War. *Credit: 3 semester hours.*

129 Reform and Revolution in the Atlantic World

This course studies the revolutionary impulses and events that animated the history of the Americas and Western Europe in the late 18th and early 19th centuries. We will discuss, among other topics, the intellectual and constitutional backgrounds, the coordination of revolutionary movements across national borders, the role of race and ethnicity, and the geopolitical pressures generated by the competition of the British, French, Spanish, and American empires. *Credit: 3 semester hours.*

131 Eastern Europe since 1900

The development of nationalism in Eastern Europe through the upheaval of World War I. The politics and policies of Eastern Europe in the interwar period; Eastern Europe in the Cold War; the 1989 revolutions; Eastern Europe in the post-Soviet period. *Credit: 3 semester hours.*

135; 136 Problems in East Asian History (Cf. ASC 135; 136)

European imperialism in East Asia since the mid-1800s with special emphasis on China; the origin and the consequence of Japanese militarism, the Chinese Republican Revolution and modernization and social changes in East Asia. *Credit: 3 semester hours.*

151 Problems in Contemporary Africa

Africa after independence; the effects of World War II and the break-up of colonial empires; political and economic trends in various countries as they strive to modernize and become viable nations. *Credit: 3 semester hours.*

158 History of Ethnic Rivalries in the United States

Emphasis on various patterns of the United States' reaction to immigrants and other minority groups in America. *Credit: 3 semester hours.*

164 Cultural Geography of Africa

Analysis of the distribution of pastoralists, agriculturalists, urban dwellers, and the resulting cultural areas. The adjustment of these areas to their physical environment. *Credit: 3 semester hours.*

169 African-American History

Examines important ideas and events in African-American history as well as debates among historians about how to interpret these ideas and events. Topics include slavery and its demise, violence against African Americans, the exodus of millions of African Americans from the rural South, the struggle for civil rights, and the backlash against the Civil Rights Movement, among other topics. *Credit: 3 semester hours.*

171 Africa: Pre-Colonial

Tribal and traditional systems of government, land tenure laws and social patterns as a basis for understanding African cultural and historical developments. *Credit: 3 semester hours.*

172 Africa: The Colonial Period

The development of colonial policy by the Great Powers, with special emphasis on the differing patterns of rule as contributing to modern administrative and political developments in Africa. *Credit: 3 semester hours.*

176 Contemporary Middle East

The development of European protectorates, the influence of World War II, and the problems of independence. The emergence of the Arab League, the role of nationalism, the Arab-Israeli conflict, and the influence of the Iranian Revolution, the Gulf War, and the U.S. invasion of Iraq. *Credit: 3 semester hours.*

181 Proletarian Pleasures: The Evolution of Popular Culture in Europe and the Americas

Studies in the popular culture of Europe and the America, emphasizing changing patterns of popular art, consumption, entertainment, and diversions and their social and political significance. *Credit: 3 semester hours.*

219 Terrorism

Conceptual Analysis of terrorism as a form of political action. *Credit: 3 semester hours.*

220 Nationalism and Revolution in Modern Latin America

The course studies nationalist and revolutionary challenges against elite-sponsored Latin American social, political, and economic policies during the 20th century. Often these policies were shaped by U.S. foreign policies. Nationalism functioned as a standard bearer for leaders fighting the role of the U.S. in their internal affairs, resulting in numerous guerrilla conflicts and revolutions throughout the region. *Credit: 3 semester hours.*

225 Women in U.S. History

This course focuses on the history of women in the U.S. from 1776 to 1920. Our discussions include the development of gender as a category of analysis; race, class, and regional diversity in women's experiences; and women's mobilization to demand greater social, economic, and political power. *Credit: 3 semester hours.*

230 Fascism in Europe

The varieties of Fascism in Europe with emphasis on origins and development of Fascism in Italy and Nazism in Germany. Authoritarian and totalitarian regimes compared and contrasted and their foreign policies examined. *Credit: 3 semester hours.*

272 Colloquium on the Technological Transformation of the United States

Focus on the value system and material conditions that led to the technological transformation of the U.S., as well as effects of this transformation on American social, cultural, economic, and political institutions in the 19th and 20th centuries. *Credit: 3 semester hours.*

375 The United States and Africa

Examines the complex relationship between the United States and Africa between the 18th and 21st centuries. Topics include the US involvement in the slave trade, the establishment and growth of Liberia, the impact of the Cold War in Africa, and "neocolonialism." *Credit: 3 semester hours.*

404 Oral History

Introduction to the theory and practice of oral history. Major topics include the ideological content of speech and storytelling, the role of class and ethnicity, the ethics of scholarly intrusion, and the use of technology. *Cf. LIS 253. Credit: 3 semester hours.*

413 The Renaissance

This course focuses on the development of humanist culture and the ways in which it shaped politics, cultural and social practices, and identities from 1450 to 1600. *Credit: 3 semester hours.*

414 The Reformation

This course explores the genesis and development of the Protestant Reformations after 1500, together with Catholic responses to the challenge of reform, and the manifold impacts these religious movements had on European society and culture up to 1650. *Credit: 3 semester hours.*

416 The French Revolution and Napoleonic Era

This course examines the Old Regime in France, the origins and ensuing course of the revolution through the Napoleonic period, and the impacts and legacies across Europe and the wider world. *Credit: 3 semester hours.*

450 Global Nineteenth Century

Examination of the nineteenth century and major themes affecting regions across the world, including cities, frontiers, industry, and empire. *Credit: 3 semester hours.*

461 The Soviet Union

The political, cultural, and economic development of the U.S.S.R. from 1917 to 1991. The dissolution of the Soviet Union and its immediate aftermath. *Credit: 3 semester hours.*

462 Colonial America: The Seventeenth Century

This course examines the settlement of Europe's North American colonies. Students will attend to European habits and structures and to their transformation in a new environment. The social, political, and cultural diversity of the colonies will be studied, along with the complications that arose as Europeans interacted with the Amerindians and with, by century's end, a rapidly increasing population of coerced African immigrants. *Credit: 3 semester hours.*

463 Colonial America: The Eighteenth Century

This course studies the cohesive properties of Britain's North American empire even as it attends to the possibility of disintegration. Among the topics to be addressed: international rivalries and the colonial frontier; the making of the American colonial mind; and the approach of the imperial crisis. *Credit: 3 semester hours.*

464 The American Revolution

This course offers a review of the major events and issues of the American Revolutionary period. Of particular interest are: the causes of the imperial crisis, the character of American rhetoric and ideals, the social and cultural dimensions of the conflict, and the young republic's struggle to perfect – or at least manage – its historical legacies during a period of intense international rivalry. As this is a graduate course, we will pay special attention to the various interpretive frames through which late 18th-century America has been understood. *Credit: 3 semester hours.*

469 The Civil War

This course examines the social and political history of the U.S. Civil War and Reconstruction. It considers the impact of the war on ordinary people as well as the actions of key leaders such as Abraham Lincoln. *Credit: 3 semester hours.*

473 The Progressive Movement

The political, social, and economic development of the Roosevelt, Taft, and Wilson administrations in United States history. *Credit: 3 semester hours.*

474 History of the New Deal

An analysis of the philosophy, techniques, and specific programs employed by the New Deal to resolve the domestic problems of the United States from 1933 to 1939. *Credit: 3 semester hours.*

480 Colloquium in 20th C. American History: The 1960s

The course will examine and analyze the principal social, political, economic, and cultural issues and events of the long 1960s in America, from the early civil rights movement of the 1950s to Watergate. *Credit: 3 semester hours.*

506 U. S. Museums and Historical Sites

Battlefields, house museums, and other historic sites are among the most trusted sources of insight into the past. The origins and the changing cultural role of museums and historic sites will be examined. *Credit: 3 semester hours.*

510 History of Material Culture

This course introduces students to the theory and historical study of material artifacts and the built environment. Major topics include the embodiment of value, the role of class and ethnicity, the differentiation of domestic and public spheres, and the effects of technological and economic change. *Credit: 3 semester hours.*

512 History and Visual Media

The role of visual media as historical artifacts, including photographs, posters, magazine illustrations, advertisements, motion pictures, and video and the preservation of such media. The use of visual media as an aid to public historian will also be considered. *Credit: 3 semester hours.*

525 Advanced Topics in Public History

Advanced examination of the social, theoretical, and methodological dimensions of public history. Major topics include the impact of culture studies and various "culture wars," the competition of local and national narratives, and the importance and historically unstable meanings of class. *Credit: 3 semester hours.*

534 Studies in Central African History

Examines problems and issues that shaped Central Africa over the past five centuries. Topics include the slave trade; Belgian and Portuguese colonial partition; African resistance to colonialism; wars for independence; and post-independence social, political and economic challenges. *Credit: 3 semester hours.*

544 Race and Nationalism in the African Diaspora, 1900 to the Present

Follows the movement of Africans around the world over previous centuries. Topics include diasporas to the "Old" and "New" Worlds; cultural dynamics in New World slave societies; "Back to Africa" movements; and problems and issues with recent African emigration. *Credit: 3 semester hours.*

574 History of Secularism: A Comparative Approach

This course examines secularism as a historical idea in European, American, South Asian, and Middle Eastern histories. After tracing the formation of secularism as a concept originated in Enlightenment histories, the course analyzes how secularism developed as a specific doctrine in Victorian England and traces the challenges of the political project of secularism during the practice of British and French colonialism. The course ends by assessing secularism as a political goal in France and the Netherlands. *Credit: 3 semester hours.*

600 The First World War

The war as a global war, focusing on social, cultural, and political developments in addition to its purely military aspects. *Credit: 3 semester hours.*

620 Muhammad and Biography

This class studies the politics inherent in biographies of Muhammad and his wives. Its aim is to analyze religious biography as a historical and polemical form of writing and to trace the developing traditions of Muslim and non-Muslim accounts of Muhammad and his female companions. *Credit: 3 semester hours.*

634 The History of the American South

Examines important ideas and events in the history of the American South as well as debates

among historians about how to interpret these ideas and events. Topics include slavery, the Civil War and Reconstruction, segregation and disenfranchisement, industrialization, the Civil Rights Movement, and the rise of conservatism. *Credit: 3 semester hours.*

637 The Gilded Age

From 1865 to 1905, the US underwent a dramatic industrial, political, social and environmental transformation. While the South, North, and West, forged distinctive regional identities, people around the nation debated meaning—and the future—of American democracy. *Credit: 3 semester hours.*

652 Church and State in Modern History

A focus on popes, problems they confronted, and programs they adopted. *Credit: 3 semester hours.*

712 East Asia in the Modern World

Comparative historical analysis of social, economic, and political developments in East Asia from 1600 to the present. *Credit: 3 semester hours.*

715 World War II and Society

World War II as experienced by civilian populations and military personnel. Wartime deployment of the economy, science and technology, and propaganda. Genocide and other war crimes. Hiroshima. *Credit: 3 semester hours.*

716 The Cold War in Global and Interdisciplinary Perspective

Conflicts of the Cold War and their cultural and social impact. East-West ideological, economic and social competition. Third World revolutions. The arms race. Historiographic controversies. *Credit: 3 semester hours.*

718 Technology and Transformation in Western Europe

The technological revolution in Western Europe is examined within a historical framework which examines the period of preparation, the agricultural revolution, and the Industrial Revolution. *Credit: 3 semester hours.*

719 The Contemporary World

Consequences of the Second World War. The breakup of colonial empires and the Cold War. The postwar rise of Europe and Japan. Decolonization and the emergence of the Third World. Globalization, the end of the Cold War, the rise of China and India. *Credit: 3 semester hours.*

720 Terrorism: A History

An analysis of terrorism, its historical evolution and contemporary manifestations of terrorism in the context of modernization, ideological and psychological rationales of terrorist movements, and the international implication. *Credit: 3 semester hours.*

724 Globalization in Sub-Saharan Africa

An examination of globalization in Sub-Saharan Africa and its impact on people and institutions in the area. *Credit: 3 semester hours.*

726 Religious Responses to Globalization in the Information Age

The technological revolution and transformation of religious organizations in the West; the Middle East, East Asia, and Latin America; patterns of convergence, loss of functions, charismatic episodes and widespread movements. *Credit: 3 semester hours.*

734 Gender in Global Perspective: An Introduction

An exploration of the changing gender roles in the age of globalization, focusing on industrialization, imperialism, feminism, war, revolution, sexuality, crime, politics, and comparisons of Europe, U.S., Asia, Africa, Latin America. *Credit: 3 semester hours.*

741 USSR and the World, 1917–1991

A study of contacts between the Soviet Union and the world via diplomacy, cultural relations, and the international Communist movement. *Credit: 3 semester hours.*

745 Women's Social Movements: a Global Perspective

This course examines women's social movements comparatively as well as transnationally from 1789–1945, considering women's local and national movements, as well as women's efforts to organize across the boundaries of the nation-state. Key areas of activism include peace, democracy, human rights, labor equity, and maternal and child health. *Credit: 3 semester hours.*

755 American Foreign Policy in the 20th Century

This course explores U.S. foreign policy after 1898. Particular attention is paid to the United States' changing position among the world powers and its significance. Topics include research in state archives and in collections of policy makers. *Credit: 3 semester hours.*

756 The World in Upheaval: Europe and the World Since 1776

The globalization of European ideologies and institutions and ensuing political, diplomatic, economic, and cultural consequences; emphasis on nationalism, imperialism, industrialization, and ideology. *Credit: 3 semester hours.*

757 America Abroad: The United States and the World

The course explores American foreign policy in Asia, Latin America, and Europe. Particular attention is paid to America's shift from an isolationist country to an imperial world power. Topics include the expansion of world capitalism and the role of non-state actors in diplomacy. *Credit: 3 semester hours.*

760 Modern Religious Pluralism and World Peace

Analysis of ever-increasing contacts and communications between major global religious traditions that have made significant inroads toward mutual understanding and cooperation; new possibilities in the changed context for world religions to serve as important resources for world peace. *Credit: 3 semester hours.*

762 Chinese Revolutionaries in Office

Chinese revolutionaries of 1911, 1926, 1949, and 1978; their goals, methods and ideologies; how the dreams fared as the prime movers consolidated their respective revolutionary movements. *Credit: 3 semester hours.*

766 The Information Revolution and the Formation of a Global Society

The explosion of the mass media in the 20th century; spread of communication and entertainment technologies; cybernetics and global communication networks; cultural and ideological exchanges. *Credit: 3 semester hours.*

768 The New Imperialism in Africa: Causes and Consequences

An examination of the European scramble for territory in Africa after 1870 and its political and economic consequences; the political liberation of Africa and the ongoing attempt to achieve economic independence. *Credit: 3 semester hours.*

774 European Integration and Disintegration

An analysis of Europe's cultural and social diversity in the 19th century; how Western European societies have become more similar in the 20th century. *Credit: 3 semester hours.*

Professional Skills Curriculum**812 Transnational and Interdisciplinary Approaches in the Teaching of World History**

Basic conceptual approaches employed by historians and social scientists in the study of world history; an examination of global history and the analytical methods used in academic disciplines. *Credit: 3 semester hours.*

820 Quantitative Approaches to Historical Analysis

A survey of quantitative approaches from various disciplines that have been used to gather, interpret, and analyze historical evidence. *Credit: 3 semester hours.*

840 Reasoning and Historical Inquiry

The development of formal and material elements of logic emphasizing their proper application to the study and teaching of history. *Credit: 3 semester hours.*

850 Geographical Approaches to World History

A survey of basic conceptual approaches used in the field of geography that can be applied by historians in the study and teaching of world history. *Credit: 3 semester hours.*

860 Research, Writing and Teaching History in a Global Age: Promise and Problems

This course explores the promise and problems inherent in the research, writing, and teaching of a history which transcends the national state and examines the evolution of this more expansive approach. It also assesses the new sources and techniques provided by the communication and information revolution of the global age. *Credit: 3 semester hours.*

899 Teaching Practicum

This practicum is designed for the improvement of the professional skills of history and social studies teachers. It aims to guide the practicing teacher to experiment with alternative instructional methods and to evaluate the effectiveness of present teaching techniques. *Credit: 3 semester hours.*

905; 906 Doctoral Internship

The internships provide first-hand experience in teaching history or working in an environment where historical knowledge is applied. Students will develop and execute their responsibilities in consultation with the Program Director and the sponsoring institution or individual. Each semester will require a total of 150 internship hours. *Credit: 3 semester hours.*

Independent Reading and Research**900 Master's Research**

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the M.A. requirements. *Credit: 3 semester hours.*

901 Reading and Research

Individually directed reading programs for M.A. students, together with relevant research on topics mutually agreed upon by the student and mentor. Must be approved by the chair. *Credit: 3 semester hours.*

975 Doctoral Research Workshop

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the doctoral requirements. *Credit: 3 semester hours.*

990 Directed Readings and Research I

Individually directed reading programs for Ph.D. students, together with relevant research on topics mutually agreed upon by the student and mentor. Must be approved by the chair. *Credit: 3 semester hours.*

991 Directed Readings and Research II
Individually directed reading programs for Ph.D. students, together with relevant research on topics mutually agreed upon by the student and mentor. Must be approved by the chair.
Credit: 3 semester hours.

Maintaining Matriculation and Comprehensive Examination

105 Comprehensive Examination
This exam tests the student's knowledge in the field. *No credit.*

105T Master's Thesis Defense
Master's students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

105Q Doctoral Qualifying Examination
Doctoral students should register for this placeholder section in the semester they will defend their dissertation proposal. *No credit.*

105P Doctoral Dissertation Defense
Doctoral students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

925 Maintaining Matriculation (M.A.)
Master's students not registered for other courses must register for HIS 925 until all degree requirements are completed and the degree is granted. *No Credit. Fee: \$100 per semester.*

930 Maintaining Matriculation (Ph.D.)
Doctoral students not registered for other courses must register for HIS 930 until all degree requirements are completed and the degree is granted. *No Credit. Fee: \$100 per semester.*

For a complete listing of approved courses, please contact the Dean's Office.

Languages and Literatures

Programs of Study

Master of Arts (M.A.) in Spanish (SPA)

The Department of Languages and Literatures offers a program of graduate study in the literature, linguistics, and civilization of the Hispanic world, taught entirely in Spanish, leading to the degree of Master of Arts. This specialized program is intended to prepare students for further scholarship, teaching at all levels or related careers. The department sponsors an ongoing series of lectures by prominent literary figures from both Spain and Latin America.

Epsilon Kappa, the St. John's Chapter of Sigma Delta Pi, the National Hispanic Honor Society, publishes the literary journal, *Entre Rascacielos*, to promote the creative works of

students enrolled in the program. The journal is also open to members of the national and international Hispanic community.

In addition, the department offers reading courses in French and German for graduate students in other disciplines.

Entrance Requirements

At least 24 semester hours above the intermediate level of undergraduate work in languages, with 18 of these credits in Spanish. All classes are conducted in Spanish. All students must demonstrate proficiency in speaking, reading and writing Spanish. Any existing deficiency will subsequently have to be removed. In the case of foreign credentials, the 18-credit requirement will be met if the candidate holds a university degree from a Spanish-speaking country.

Program Requirements

Thesis: This option is a 33-credit program consisting of 27 credits of required coursework from among the five areas of concentration (a minimum of three credits in each area) listed below and six credits of Master's Research (SPA 900). Since the program is conducted solely in Spanish, it is required that students write their thesis in the Spanish language. The thesis option is recommended for those students who wish to continue their graduate education beyond the master's degree by entering a Ph.D. program.

Non-Thesis: This option is a 33-credit program consisting of coursework in all five areas of concentration listed below: a minimum of three credits from each division, plus 18 credits in course electives. However, it is strongly recommended that students take six credits from each of the five areas of concentration. The non-thesis option is primarily designed for those students interested in teaching on the primary or secondary level or seeking immediate preparation for fields where a master's degree in Spanish is the recommended credential.

With appropriate advisement from the department, students should select their courses from the following five areas of concentration:

- (1) Linguistics (three/six credits)
- (2) Peninsular Literature before 1700 (three/six credits)
- (3) Peninsular Literature of the 18th, 19th and 20th Centuries (three/six credits)
- (4) Spanish-American Literature from Pre-Columbian through the 19th Century (three/six credits)
- (5) Spanish-American Literature from Modernismo to the Present (three/six credits)

The comprehensive examination required of all students must be taken in the last semester of coursework. This four-hour written examination will test the student's knowledge of the

literature, linguistics, and culture of Spain and Spanish America. (See "Comprehensive Examination.")

Financial Aid

Research Assistantships, which include tuition remission and a stipend, are available to qualified graduate students. Federal Loan Programs are also available.

B.A./M.A. in Spanish

The Department of Languages and Literatures offers an accelerated combined degree program leading to both the B.A. and M.A. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in Spanish at St. John's University are encouraged to apply. Students accepted into the program typically complete 15 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Courses

103 History of the Spanish Language

The evolution of the language from its origin to the present; phonology, morphology, grammar, vocabulary, style. *Credit: 3 semester hours.*

105 Comprehensive Examination

This examination tests the student's knowledge in the field. *No credit.*

105T Master's Thesis Defense

Thesis students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

109 Spanish Stylistics. A Workshop in Creative Writing

Students will engage in various exercises, taking part in the writing of poetry, short stories, and memoirs. *Credit: 3 semester hours.*

110 Workshop in Journalistic Prose

A study of journalism through a study of masters in the genre and through the experience of writing articles on a series of topics. *Credit: 3 semester hours.*

118 Contemporary Spanish America

A study of the place of Spanish America in modern art and science, letters, architecture, music, and of the political, social and economic problems confronting the Spanish American republics in our times, with a reflection on the past. *Credit: 3 semester hours.*

151 Applied Spanish Linguistics

This course offers solutions to some of the practical problems involved in learning and teaching Spanish by reformulating these difficulties from the perspective of modern linguistic theory. *Credit: 3 semester hours.*

161 American-Spanish Linguistics

A study of the lexical, morphosyntactical, and phonological differences between Peninsular Spanish and the language as now spoken in the Americas. Particular attention is given to the Spanish of the Caribbean area. *Credit: 3 semester hours.*

171 Contrastive Analysis of Spanish and English

A study of the major similarities and differences between the phonological, grammatical, and lexical systems of English and Spanish. *Credit: 3 semester hours.*

220 Caribbean Literature in Spanish

A study of the most representative Spanish-Afro Caribbean writers, such as Luis Llorens Torres, Luis Pales Matos, Nicolás Guillén, and Emilio Ballagas. *Credit: 3 semester hours.*

221 Medieval Literature I

The principal developments of the eleventh, twelfth, and thirteenth centuries. *Credit: 3 semester hours.*

222 Medieval Literature II

The principal developments of the XIV and of the XV century as far as La Celestina. *Credit: 3 semester hours.*

224 The Spanish Ballad, Yesterday and Today

An in-depth study of the development of Spanish balladry from the Middle Ages to the present. *Credit: 3 semester hours.*

229 Spanish-American Colonial Literature

A study of Spanish-American letters from its beginning to the period of Independence. *Credits: 3 semester hours.*

231 Romanticism in Spain

A study of the Romantic movement in nineteenth century Spanish literature. *Credit: 3 semester hours.*

232 Gaucho Literature

A study of the literature of the River Plate Region from its gaucho beginnings to recent nativistic tendencies. *Credit: 3 semester hours.*

234 Spanish-American Poetry

The principal developments of the genre in Spanish America with a study of representative authors. *Credit: 3 semester hours.*

237 Spanish-American Modernism

Representative authors of the period will be studied. *Credit: 3 semester hours.*

239 Women Writers from Spanish America

A study of the most representative women writers from the time of Sor Juana Inés de la Cruz to the present. *Credit: 3 semester hours.*

243 The Spanish-American Short Story

The origin and development of the genre in Spanish America with a study of representative authors. *Credit: 3 semester hours.*

245 Spanish-American Literature of the Enlightenment

Main literary currents in Spanish America from 1750 to the period of Independence with representative authors studied. *Credit: 3 semester hours.*

248 The Indian Theme in Spanish Literature

A study of the Indian theme in Spanish-American literature as reflected in representative authors and works. *Credit: 3 semester hours.*

249 The Spanish American Novel pre-1960

A study of the most representative literary figures in the development of this genre. *Credit: 3 semester hours.*

250 The Spanish-American Novel from the 1960s Onward

A study of the most representative present-day Spanish-American novelists. *Credit: 3 semester hours.*

254 Don Quijote I, II

A study in depth of Cervantes' masterpiece. *Credit: 3 semester hours.*

259 The Interview as Literary Genre

A study of the interview in Hispanic letters. After an in-depth reading of a series of literary interviews with some of the most prominent writers from both Spain and Latin America, students are expected to perform simulation of literary interviews. *Credit: 3 semester hours.*

277 Unamuno

A study of the most representative works of Miguel de Unamuno. *Credit: 3 semester hours.*

285 The Spanish Novel from the Civil War to the Present

A study of representative novels and authors of the period from Camilo José Cela to Luis Martín-Santos. *Credit: 3 semester hours.*

288 The Essay and Literary Criticism in Spanish America

A study of representative literary figures in the development of this genre. *Credit: 3 semester hours.*

290 Literature of the Mexican Revolution

A study of major literary figures in the development of this theme in the national culture. *Credit: 3 semester hours.*

300 Spain in North America. Early Writings

First writings by Spaniards in North America. The literature of early settlers, navigators, soldiers, and priests. *Credit: 3 semester hours.*

305; 306 Seminar in Hispanic Literature I; II

A study of specific authors from the Hispanic world. *Credit: 3 semester hours each.*

310 Visual Arts in Spanish Literature

A study of the many uses of the visual arts in Spanish literature, with emphasis on the literary representation of visual arts, real or imaginary. *Credit: 3 semester hours.*

312 Latin American Cinema and Literature

This course is a comparative and analytical study of some of the most important Latin American films and literary works. *Credit: 3 semester hours.*

314 Poetry and Its Metric Forms

The tools for writing poetry. *Credit: 3 semester hours.*

315 Translation and Interpretation: Two Forms of Communication

A workshop in translation and communication. Students are introduced to both forms of communication and are placed in real-world situations to perform translations of literary and non-literary texts and practice simultaneous interpretations. *Credit: 3 semester hours.*

316 The Chronicle in Spanish Classic Authors

A study of the literary techniques used in Spanish historiography, with emphasis on the study of Medieval, Renaissance and Baroque chronicles. Manuscripts, incunabula, paleographic, and first editions will be used when available. *Credit: 3 semester hours.*

317 Gabriela Mistral: The Poet and Prose Writer

An in-depth and comprehensive examination of the works and influence of the 1945 Nobel Prize for Literature-winning Chilean writer. *Credit: 3 semester hours.*

318 Love and Death in Latin American Literature

A study of the themes of love and death as expressed by some of the most representative authors. *Credit: 3 semester hours.*

320 The Literature of Nostalgia

A study of some of the most representative works depicting political and self-imposed exile. *Credit: 3 semester hours.*

321 Mystery Novel in Democratic Spain

Survey of the contemporary mystery novel in Spain as a reflection of historical and cultural changes. *Credit: 3 semester hours.*

323 Nobel Prize Winners of the Hispanic World

A study of eight Nobel Prize Winners for Literature from the Hispanic World: Gabriela Mistral; Juan Ramón Jiménez; Miguel Angel Asturias; Pablo Neruda; Gabriel García Marquez; Camilo José Cela; Octavio Paz; Mario Vargas Llosa. *Credit: 3 semester hours.*

324 The Theme of Exile in Contemporary Literature by Latinos in the U.S.

An analysis of the theme of exile in selected literary works by Latino/a authors in the U.S. from the twentieth century to the present. Representative works from all major Latino groups will be included. *Credit: 3 semester hours.*

330 The Spanish Short Story

The evolution of the short story in Spain from the medieval exemplum to the cuento literario. *Credit: 3 semester hours.*

331 La Zarzuela

A course of appreciation of the Zarzuela and its values as a literature work, musical performance, and a dance. *Credit: 3 semester hours.*

334 Desire and Reality: Lorca, Buñuel, Dalí

An exploration of the disjuncture between desire and reality behind the work of three Spanish Surrealists. *Credit: 3 semester hours.*

400 Internship

An on-site internship in a governmental or cultural institution in the New York metropolitan area. Its purpose is to enhance the intern's knowledge of the Spanish language, Hispanic culture, and literature in a real-world work environment. The candidate must be a matriculated graduate student in good standing who has completed 12 credits in the program. *Credit: 3 to 6 semester hours.*

900 Master's Research

Supervised research by mentor leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirements, in consultation with the Graduate Director. *Credit: 3 semester hours.*

901 Independent Study

An opportunity for independent reading and research under the supervision of a faculty member. The area of research must be approved in advance by the Director of the Graduate Program and a research plan will be required. *Credit: 3 semester hours.*

925 Maintaining Matriculation

Master's degree students who are not registered for any course must maintain their matriculation by registering for 925 until all degree requirements are completed and a degree is granted. *No credit.*
Fee: \$100 per semester.

FRE 0101; 0102 French Reading Course (0101 is prerequisite for 0102)

This course is designed to give candidates for the master's and doctoral degrees a grasp of the fundamentals of the language and a good working vocabulary so that they can use the language as a research tool in their field of specialization. *Two semesters. No credit.*

For a complete listing of approved courses, please contact the Dean's Office.

Center for Latin American and Caribbean Studies

Advanced Certificate

St. John's University's Center for Latin American and Caribbean Studies (CLACS) offers a graduate-level multidisciplinary certificate for those students interested in disciplines and careers that deal with Latin America, the Caribbean, or Latinos in the U.S. Those careers include: diplomacy and international relations; banking; business; literature; education; health services; and journalism.

Entrance and Program Requirements

An undergraduate degree from an accredited university with a minimum 3.0 GPA and two letters of recommendation are required. Language proficiency in Spanish, Portuguese, or French must be demonstrated before completion of the program.

A student can enroll in the multidisciplinary advanced certificate program by itself or in conjunction with another graduate program (e.g. Spanish, Government and Politics, History, English, Sociology, Psychology, Liberal Studies, Education, or Business Administration).

Students need 15 credits in three different disciplines or areas; a minimum of nine credits must be from those courses classified as core. A student could meet some of the credit requirements by taking courses in Latin American and Caribbean universities with which we have established agreements or in a Study Abroad program in a Latin American or Caribbean nation, with prior approval from the appropriate dean or chair, and the CLACS Director.

The following courses may apply to the certificate, with approval of the program director and Dean's Office:

- ACC 245 Selected Topics in International Accounting
- ACC 246 Analysis of Foreign Financial Statements
- CRM 133 Class, Race, Criminal Justice
- CRM 231 Evaluating Criminal Justice Policies
- CRM 234 Women and Crime
- CRM 235 Global Crime
- ECO 205 International Trade and Investment
- EDU 3000 Independent Study: Literacy
- EDU 3210 Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education, B-6

- EDU 6530 Counseling in Multicultural Settings
- EDU 9001 Introduction to Bilingual/Multicultural Education
- EDU 9006 Human Development in Cross-cultural Perspectives
- EDU 9011 Practicum in Bilingual/Multicultural Education
- EDU 9015 The Structure of English Language
- ENG 711 Modern Short Story
- ENG 756 The Christian Imagination
- ENG 758 Collecting Cultures
- ENG 761 Caribbean Literature and Culture
- ENG 765 American Ethnic Literatures
- FIN 243 International Corporate Finance
- GOV 137 Government and Politics of Latin America
- GOV 153 International Organization
- GOV 156 Global Environmental Politics
- GOV 157 American Foreign Policy
- GOV 183 The Puerto Rican Contribution to American Society
- GOV 189 Political and Administrative Problems of Developing Nations
- GOV 263 War, Revolution, and Terrorism
- GOV 264 International Politics
- GOV 269 Global Politics of Gender
- GOV 277 International Political Economy I
- GOV 278 International Political Economy II
- GOV 293 Administration of International Organizations
- GOV 341 International Law: Law of Peace
- GOV 343 International Law: Law of International Transactions
- GOV 344 International Law: Law of War and Neutrality
- GOV 347 Seminar: Special Topic in Developing Areas
- HIS 120 Race, Gender and Ethnicity in the Formation of National Identity in Modern South America
- HIS 158 History of Ethnic Rivalries in the U.S.
- HIS 160 Immigrants in American History: 1880 to the Present
- HIS 181 Proletarian Pleasures
- HIS 220 Nationalism and Revolution in Modern Cuba
- HIS 274 Crises in American Foreign Relations
- HIS 462 Colonial America: English Settlers in The New World

- HIS 456 International Relations since the First World War
- HIS 465 Invasion of America: European and Indians in Early America
- LAW 252 International Business Law and Negotiation
- MGT 205 Global Sourcing
- MGT 252 Seminar in International Management
- MGT 254 Global Information Systems for International Management
- MGT 259 International Business Policy
- MKT 226 International Marketing Seminar in Current International Marketing Topics
- MKT 301 International Marketing Seminar Abroad
- MKT 302 International Marketing Seminar Abroad
- SPA 107 Advanced Spanish Conversation and Composition
- SPA 118 Contemporary Spanish America
- SPA 122 The Cultural Heritage of the Antilles
- SPA 123 Spanish Afro-Caribbean Literature
- SPA 161 Spanish American Linguistics
- SPA 220 Caribbean Literature in Spanish
- SPA 229 Spanish-American Colonial Period
- SPA 232 Gaucho Literature
- SPA 234 The Spanish American Poetry
- SPA 236 Twentieth-Century Spanish American Theater
- SPA 237 Spanish-American Modernism
- SPA 239 Women Writers from Spanish-America
- SPA 240 The Literature of Revolution in Spanish America
- SPA 243 The Spanish American Short Story
- SPA 245 Spanish-American Literature of the Enlightenment
- SPA 248 Indian Themes in Spanish-American Literature
- SPA 249 The Spanish American Novel from its Inception to the 1960's
- SPA 250 The Spanish American Novel from the 1950's Onward
- SPA 288 The Essay and Literary Criticism in Spanish America
- SPA 290 The Literature of the Mexican Revolution
- SPA 306 Seminar in Hispanic Literature II
- SPA 318 Love and Death in Spa-American Literature
- SPA 324 Exile in Latino Literature in the United States
- SPA 334 Desire and Death in Spa-American Literature
- PHI 169 Commerce, Morality, and Public Policy
- PSY 622 Social Psychology
- PSY 625 Cross-Cultural Psychology
- PSY 627 Cultural Diversity in Psychological Services
- PSY 662B Psycho-educational Assessment II (Bilingual and Minority Children)
- PSY 729 Psycholinguistics in School Psychology
- SOC 118 Intercultural Communication in a Globalizing World
- SOC 120 Race and Ethnicity
- SOC 122 Drugs and Society
- SOC 200 Sociology of Latinos/as in the U.S
- SOC 201 Economic Sociology
- SOC 208 Cultural Studies
- SOC 218 Immigration and Inequality
- SOC 220 Social Construction of Race in the United States
- SOC 228 Sociology of Community
- SOC 233 Urban Sociology
- SOC 234 Global Poverty
- SOC 244 Globalization and Social Movements
- SOC 247 Global Education
- SOC 248 Cross-Cultural and Ethnographic Perspectives on Education
- SOC 249 Sociology of Education
- SPE 325 Studies in Bilingualism
- SPE 381 Cultural Diversity in Speech-Language Pathology and Audiology
- TAX 251 Taxation of Foreign Operations
- THE 410 The Challenge of Liberation Theology for North America
- THE 440 Christian Hope and the World's Future
- THE 529 Moral Person: Moral Society; Ethics: Social and Personal

Upon completion of all coursework, as a final condition for receiving the Certificate, a student must submit to the Director of CLACS a portfolio with the accumulated work accomplished during the program. Students who complete the Certificate can go on to careers in government, NGOs, banking, business, journalism, teaching, and Ph.D. programs, among others.

Graduate Research Assistantships are available. For more information about the program, please contact Alina Camacho-Gingerich,

Ph.D., Professor and Director of CLACS, at camachoa@stjohns.edu or 718-990-1932/5829.

Liberal Studies

Programs of Study

Master of Arts (M.A.) in Liberal Studies (MLS)

The Master of Arts in Liberal Studies provides a multidisciplinary graduate opportunity to the intellectually curious through the study of themes that draw from various academic fields.

There are four tracks in the Master of Arts in Liberal Studies:

1. Humanities
2. Social Sciences
3. Cultural Studies (includes the Concentration in Women's and Gender Studies)
4. Interdisciplinary Studies

The program is designed to provide a strong foundation for a number of professional goals; it is not designed to duplicate or replace the specialized disciplinary training required for a Ph.D., though it can be appropriate preparation for further graduate study, including doctoral-level study. This program is especially suited to working professionals

Entrance Requirements

1. A bachelor's degree in any area, with an overall GPA of 3.0.
2. A brief personal essay describing the student's academic goals and areas of intellectual interest.
3. Six credit hours in the area of concentration.
4. For the Humanities track, a total of 18 credits from English or history; for the Social Science track, a total of 18 credit hours from anthropology, economics, history, government and politics, psychology, or sociology; for the Cultural Studies track, a total of 18 credit hours from anthropology, sociology, English, area studies (Latin America, Asian, Middle Eastern, African, etc.), history, philosophy, and ethnic/gender studies; for Interdisciplinary Studies, a sufficient number of credits in the relevant disciplines, as determined by the director.
5. Two letters of recommendations from persons who can attest to the student's ability to undertake graduate studies.

Program Requirements

Each student selects a program track: Humanities, Social Science, Cultural Studies, or Interdisciplinary Studies.

If Humanities is selected, the student chooses an area of concentration—either history or literature. The student completes five courses in the chosen area of concentration and two courses each from the two cognate disciplines. The student also takes introductory and

integrating seminars in liberal studies. A total of 11 courses is taken.

If Social Sciences is selected, the student chooses an area of concentration—economics, history, government and politics, psychology or sociology. The student takes five courses in the chosen area of concentration and two courses from any two cognate disciplines. The student also takes introductory and integrating seminars in liberal studies. A total of 11 courses is taken.

If Cultural Studies is selected, the student takes five courses from a list of courses dealing with the anthropological and cultural themes and four courses in cultural areas and topics. These include but are not limited to Latin America, Far Eastern Cultures, Eastern Europe, Africa and the Middle East. The student also takes introductory and integrating seminars in liberal studies. A total of 11 courses is taken.

If Interdisciplinary Studies is selected, the student consults with the program director about the theme of the proposed program (as well as faculty in the relevant areas). The program director must approve the proposed program. The student takes courses from the chosen area of concentration and courses from at least two other areas of determined to be relevant to the proposed research project. The student also takes an introductory and integrating seminar in liberal studies.

Every student must complete a capstone project in the track that has been selected.

Courses

Departments strive for accuracy with regard to the scheduling of courses. They reserve the right, however, to alter the schedule as needs may dictate. Moreover, the dean maintains the right to cancel courses when deemed necessary.

100 Introductory Seminar in Liberal Studies

Directed reading and discussion of representative works which have had a significant influence in the various areas in liberal studies. This course introduces issues in the humanities, social sciences, and cultural studies. *Credit: 3 semester hours.*

200 Integrating Seminar in Liberal Studies

The capstone project is the focus of this seminar, taught by faculty members from one of the liberal studies tracks. The capstone project proposal must be approved by the student's faculty mentor and the Program Director. *Credit: 3 semester hours.*

204 Independent Research in Liberal Arts

Under the supervision of a faculty mentor, the student will prepare a research proposal, and submit it to the program director for approval. All proposals must be approved by the director. *Credit: 3 semester hours.*

Division of Library and Information Science (LIS)

The Division of Library and Information Science offers programs of study leading to the Master of Science (M.S.) in Library and Information Science, five combined bachelor's and master's degree programs, double master's programs with the Departments of Government and Politics and History, and Advanced Certificates in Management for Information Professionals and Social Justice in the Information Professions.

Accreditation

The graduate program in Library and Information Science leading to the Master of Science degree is accredited by the American Library Association (ALA) and the curriculum has been registered and approved by the New York State Department of Education.

Programs of Study

Master of Science (M.S.) in Library and Information Science

The fully online M.S. degree program is suitable for students interested in public and academic libraries, archives, museums, records management, government and corporate information centers. There are four core courses, one management course, and seven electives, which must be selected in consultation with the student's advisor. The student completes the program by completing the 12 courses and submitting a successful e-Portfolio.

Students may pursue interdisciplinary coursework in Public History and Museum Administration in consultation with an advisor.

Entrance Requirements

Applicants seeking admission to the M.S. program must submit the following evidence of their ability to pursue graduate study in Library and Information science:

1. A baccalaureate degree from an accredited college or university. Undergraduate scholastic achievement must be such as to give reasonable assurance of success in work for an advanced degree. Normally, this will be a "B" (3.0) both in the general average and in the major field.
2. Two letters of recommendation from instructors, librarians, or equivalent professionals.
3. A statement of professional goals.
4. International students who have not received a U.S. degree will be required to demonstrate evidence of English proficiency through a standardized English exam.

Program Requirements

The M.S. program requires all students to satisfy the following:

1. Completion of 36 credits with a minimum of a "B" (3.0) average.
2. Completion of all core courses: 203, 204, 205, and 239.
3. Completion of the management requirement (240).
4. Continuous enrollment and completion of all requirements within a period not to exceed five years.
5. Submission of a successful e-Portfolio.

Note: Up to six credits may be taken outside the Division with the permission of the Graduate Director. In consultation with an advisor, students may select a specialization. A list of specializations is available on the Division of Library and Information Science website: www.stjohns.edu/dlis.

E-Portfolio

In order to receive your Master of Science degree in Library and Information Science from St. John's, you are required to submit an e-Portfolio that serves as an end-of-program assessment. The e-Portfolio will also help you display your work to future potential employers. It includes a professional philosophy, resume, and artifacts from coursework with reflections that document proficiency in the program's eight goals:

1. Develop an understanding of the foundations of the profession;
2. Develop an understanding of information resources;
3. Demonstrate ability to organize recorded knowledge and information;
4. Apply technological knowledge and skills to practice;
5. Apply reference and user services;
6. Master research methods;
7. Experience continuing education and lifelong learning; and,
8. Apply key concepts of administration and management.

You must submit your e-Portfolio through Digication in either your last semester of coursework or the semester immediately following. We encourage you to build your e-Portfolio throughout your program of study.

Certification for Public Librarians in New York State

New York State will issue this professional certificate to St. John's graduates with the M.S. in Library and Information Science who provide proof of their degree. There is a fee for the certificate that must be included with the application. For details, visit the New York State Library website at nysl.nysed.gov/libdev/cert/.

Combined Degrees

B.A./M.S. Programs in French, Italian, or Spanish and Library and Information Science

St. John's College of Liberal Arts and Sciences offers three accelerated combined degree programs leading to the B.A. and M.S. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in the major at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.A. and M.S. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.S. programs, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S./M.S. Programs in Computer Science or Information Technology and Library and Information Science

St. John's College of Liberal Arts and Sciences offers two accelerated combined degree programs leading to the B.S. and M.S. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in the major at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.S. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.S. programs, students should consult the Director of Graduate Studies and their undergraduate academic dean.

M.A./M.S. Program in Government and Politics and Library and Information Science

Under the administration of the Graduate Division of the College of Liberal Arts and Sciences, the Department of Government and Politics and the Division of Library and Information Science offer a joint program of study leading to the Master of Arts in Government and Politics and Master of Science in Library and Information Science degrees. Students complete a total of 57 credits rather

than 66 credits required if both degrees are pursued separately.

The combination of the two graduate programs provides students with the opportunity to integrate two complementary bodies of knowledge: Government and Politics and library science. The graduate program in government and politics supplements the graduate program in Library Science by broadening and deepening a student's understanding of governmental structure, institutions, public administration, and political/legal processes, while at the same time mastering contemporary means of accessing and utilizing related information.

Entrance Requirements

Students must meet the requirements of admission to both the Master of Arts in Government and Politics and the Master of Science in Library and Information Science programs as set forth in their respective sections of this bulletin.

Program Requirements

All M.A./M.S. students will complete curriculum requirements for each degree with four courses (12 credits) applying to both programs.

These exchange courses include:
GOV 205 Modern Political Research
One GOV course in the student's area of concentration

Two of the following LIS courses:

- LIS 222 Materials and Services to Diverse Populations
- LIS 237 Metadata for Information Professionals
- LIS 260 Information Use and Users

All students must complete the written comprehensive examination in Government and Politics and an e-Portfolio in Library and Information Science.

M.A./M.S. Public History/Library and Information Science

Under the administration of the Graduate Division of the College of Liberal Arts and Sciences, the Department of History and the Division of Library and Information Science offer a joint program of study leading to the Master of Arts in Public History and Master of Science in Library and Information Science degrees. Students complete a total of 57 credits rather than 69 credits required if both degrees are pursued separately.

The combination of these two graduate degrees will provide students with the theoretical understanding and technical skills needed to help libraries, archives, museum, government agencies, and corporations ethically serve diverse global audiences and promote responsible stewardship of information and cultural resources.

Entrance Requirements

Students must meet the requirements of admission to both the Master of Arts in Public History and the Master of Science in Library and Information Science programs as set forth in their respective sections of this bulletin.

Program Requirements

All M.A./M.S. students will complete curriculum requirements for each degree with four courses (12 credits) applying to both programs. These exchange courses include HIS 401 Modern Historical Research and three of the following:

- HIS 404/LIS 253 Oral History
- HIS 510 History of Material Culture
- HIS 512 History as Visual Record
- HIS 506 U.S. Museums and Historic Sites
- HIS 525 Advanced Topics in Public History

All students must complete internships in Public History and Library and Information Science, a Public History final project, and an e-Portfolio in Library and Information Science to culminate their degrees.

Advanced Certificate in Management for Information Professionals

You can complete this certificate as a stand-alone degree or as a specialization within the Master of Science program in Library and Information Science. The certificate will develop your management and leadership potential, enabling you to take on leadership positions in libraries and information organizations. Our program features a unique focus on social justice, responsibility, and ethics. Although the skills you'll gain in this certificate program translate to any type of information environment, the curriculum focuses primarily on business and legal organizations. Please note that no federal aid is available to students who complete the certificate as a stand-alone degree. The courses that apply to this 12-credit certificate are: LIS 240; LIS 262; LIS 263; and LIS 282.

Advance Certificate in Social Justice in the Information Professions

You can complete this certificate as a stand-alone degree or as a specialization within the Master of Science program in Library and Information Science. The certificate program will explore questions of equity, collective actions, and social rights that relate to interdisciplinary and intersectional issues. The certificate program equips information professionals with skills, knowledge, and practical approaches to address collective well-being in an information society within a broader social justice framework. The certificate's coursework explores theoretical

and practical questions of information access, social rights, and systemic social change through a variety of lenses that address social justice issues. Please note that no federal aid is available to students who complete the certificate as a stand-alone degree. The courses that apply to this 12-credit certificate are: LIS 222; LIS 275; LIS 283 and LIS 320.

Experiential Learning

The M.S. program faculty encourage students to explore the profession in an experiential, hands-on approach that complements the theoretical base fostered through readings, research and class discussion. To that end, academic service-learning activities, and individually arranged local site visits are required components of many courses and are expected of all students.

Internships

Field experience is available through non-credit or credit-bearing internships. A student may elect to complete an informal, voluntary position within a library, archive, or information organization in order to observe and/or participate in the activities of the profession. A paid position may not double as an internship.

Interested students are required to meet with their faculty advisor the semester prior to registering for an internship course in order for the field site to be approved and the paperwork completed. The student must be academically eligible in order for the placement to be approved (i.e., all prerequisites must have been satisfied prior to registration). The internship must be completed under the direction of a certified, professionally qualified site supervisor whose credentials have been approved by the faculty advisor.

Financial Aid

Qualified graduate Library and Information Science students are eligible for assistantships which include tuition remission and a stipend; these assistantships are awarded for service to the Division and research assistance to faculty. The Division also offers the Rev. Brian J. O'Connell, C.M. Scholarship, named after the late Dean of St. John's College of Liberal Arts and Sciences, to high-achieving applicants who earn GPAs of 3.4 or higher (on a 4.0 scale) for their most recent degrees. Incoming students do not need to apply separately for this scholarship, but are automatically granted partial tuition reprieve based on academic merit. Other scholarship opportunities include the Mildred Lowe Memorial Scholarship, the H.W. Wilson Foundation Scholarship, the Elizabeth Minutaglia Memorial Scholarship, the Francis Augustine Hyland Memorial Scholarship, and the John Garino Memorial Scholarship.

Student Assistance

Advising

Each graduate student is assigned an academic advisor in their first term. Academic advisors are members of the full-time faculty. The advisor must be consulted in the Fall and Spring terms prior to registration. The academic advisor tracks the advisee's progress in completing their program of student. The advisor also guides students in the development of their e-Portfolios and selection of internships. New students are advised by the director.

Placement

The Division regularly provides information on employment opportunities via the student e-mail digest and the Division of Library and Information Science blog. A placement service is also available at the St. John's University Office of Career Services.

Types of placement opportunities include:

- Archives, museums, and record centers
- Public and academic libraries
- Government agencies
- Higher education/corporate training
- Financial services
- Hospital/medical/pharmaceutical libraries
- Market research
- Metadata Analyst
- Publishing and broadcast management
- Risk management

Alumni Organizations

Graduates of the Division of Library and Information Science serve as mentors to new students, participate in biweekly webinars run by the DLIS Student Association, and provide feedback to DLIS via the Alumni two-year-out survey. Our alumni serve on the advisory board and may sponsor such activities as the William A. Gillard lecture. They also receive a monthly e-newsletter with Division events and job opportunities.

Beta Phi Mu

Graduates of the Division of Library and Information Science with a superior record and recommended by the admissions committee are eligible for membership in Beta Phi Mu.

Courses

Core Courses

203 Information Organization

Theories, systems, and practices of information organization. Emphasis is on understanding the basic function of library catalogs, indexes, metadata, finding aids, and internet search engines. *Credit: 3 semester hours.*

204 Introduction to Library and Information Science

A survey of the field including theory and

practice, historical trends/developments, computer-based and other information systems, and societal concerns. Must be taken as one of the first two courses. *Credit: 3 semester hours.*

205 Information Sources & Services

Scope, organization, and evaluation of reference sources and services, with emphasis on information use and retrieval in a virtual environment and contemporary models of service delivery. *Credit: 3 semester hours.*

239 Research & Evaluation Methods

Prerequisite: LIS 204 or LIS 205. Social science research methods applicable to program evaluation and library and information science research; topics include research ethics, research design, literature reviews, data analysis, and reporting research to general and specialized users. *Credit: 3 semester hours.*

Management Course

240 Management of Information Organizations

Prerequisite: LIS 204 or LIS 205. Leadership and management principles relating to the operation of libraries and other information enterprises. Leading, planning, evaluating, staffing, housing, equipping, and financing. *Credit: 3 semester hours.*

Elective Courses

121 Literature and Related Resources for Children

A survey of books and other materials for children, with emphasis on selection criteria, developing evaluation skills, familiarity with award-winning titles, and book presentation. Requires fieldwork. *Credit: 3 semester hours.*

125 Library Materials and Services for Young Children

Materials and services for the young child (infant through preschool). Theories underlying services. Selection, analysis, and presentation of books, and other appropriate materials. Requires fieldwork. *Credit: 3 semester hours.*

126 Literature and Related Resources for Young Adults

A survey of books and other materials for young adults, with emphasis on selection criteria, developing evaluation skills, familiarity with award-winning titles and book presentation. Requires fieldwork. *Credit: 3 semester hours.*

127 Library Services for Children and Young Adults

Prerequisite: LIS 205. Serving children in the public library, with emphasis on user needs, storytelling and book talk skills, programming, information services, policies and guidelines, and maintaining collections. Requires fieldwork. *Credit: 3 semester hours.*

211 Collection Development and Management of Knowledge Resources

Prerequisite: LIS 204. Philosophy and methods of managing collections in physical and virtual libraries, with emphasis on assessing and meeting information needs. May include a service learning requirement. *Credit: 3 semester hours.*

213 Popular Culture and the Young Adult

Prerequisite: LIS 204 or LIS 205. An exploration of contemporary, popular entertainment media oriented toward and accepted by adolescents, with emphasis on film, television, music, magazines, and the Internet. *Credit: 3 semester hours.*

214 Teen Space: Creating Authentic Public Library Spaces for Teens

Prerequisite: LIS 204 or LIS 205. Introduction to the teen-space built environment by exploring the relationship between humans and the spaces they inhabit. *Credit: 3 semester hours.*

221 Planning and Delivering Information Literacy Programs

Prerequisite: LIS 205. Theory and practice of user education with emphasis on developing information literacy programs. Standards, guidelines, instructional models, effective pedagogical techniques, collaboration, and assessment. Planning, delivery, and evaluation of instructional programs designed to develop lifelong information literacy skills. *Credit: 3 semester hours.*

222 Materials and Services to Diverse Populations

Prerequisite: LIS 204 or LIS 205. Information needs of diverse populations, including the aged, illiterate, individuals with disabilities, and racial, ethnic, and linguistic minorities. *Credit: 3 semester hours.*

231 College and University Libraries

Prerequisite: LIS 204 or LIS 205. Academic library administration, planning, staffing, and evaluation. The history of higher education and the college library in the U.S. The impact of demographic and social changes on the provision of service. *Credit: 3 semester hours.*

233 Public Libraries and Community Information Centers

Prerequisite: LIS 204 or LIS 205. The objectives, organization, and services of contemporary public libraries, including the ways in which they serve diverse communities and reach underserved populations. Field trips may be required. *Credit: 3 semester hours.*

238 Web Design for Libraries and Information Centers

An information architecture approach to the design of websites for large enterprises. Topics include information content, organization, labeling, navigation, searching, usability, and accessibility. *Credit: 3 semester hours.*

245 Special Collections Librarianship and History of the Book: Principles and Practices

The organization, administration, service, and care of special collections, with an emphasis on rare books. The history of books and printing, non-book formats, donor relations and collecting, conservation and preservation, ethics, access, security, exhibitions and digitization. Requires fieldwork. *Credit: 3 semester hours.*

249 Introduction to Archival Principles & Practices

Management of archives and manuscript repositories, including basic functions and skills required of an archivist or curator of manuscripts as well as current issues and topics. *Credit: 3 semester hours.*

253 Oral History (HIS 404)

Introduction to the theory and practice of oral history. Major topics include the ideological content of speech and storytelling, the role of class and ethnicity, the ethics of scholarly intrusion, and the use of technology. *Credit: 3 semester hours.*

257 Archival Representation

Prerequisite: LIS 249. This course covers the history and principles of archival materials and examines the administrative decisions entailed in the management of an archival institution's representation program. *Credit: 3 semester hours.*

258 Museum Informatics

This course introduces how technical innovations influence the social world of museums by exploring information technology and modern information systems in the museum environment. *Credit: 3 semester hours.*

260 Information Use and Users

Prerequisite: LIS 204. Survey/seminar on how LIS practitioners and researchers seek to understand user information needs/behaviors. Emphasis on theories of user needs and information use. Populations discussed include children, business managers, attorneys, scientists, university students, general researchers, and consumers. *Credit: 3 semester hours.*

261 Information Sources and Services for Children and Young Adults

Prerequisite: LIS 205. Non-fiction and reference sources and services in school and public libraries as they relate to curriculum support and information literacy. Focus on the child as reference interview participant/learner. *Credit: 3 semester hours.*

262 Project Management in Information Organizations

This course provides students with an overview of project management and guides them through many of the project management tools and skills required in information organizations. *Credit: 3 semester hours.*

263 Marketing and Advocacy in Information Organizations

This course prepares students to design, implement, and evaluate marketing, communications, and advocacy plans to improve service experiences of information users. *Credit: 3 semester hours.*

269; 269B; 269D; 269E Internship

Prerequisites: LIS 204, LIS 205, and either LIS 203 or LIS 239. A supervised professional experience combining theory and practice in a library or information center. Meetings and reports required; may be taken for a total of six credits. *Credit: 0, 1, 2, or 3 semester hours.*

270 Orientation to Online Learning

An orientation to the Learning Management System canvas through an online meeting at the start of the course and a series of self-paced exercises within the course. *No credit.*

271 Special Topics in Library and Information Studies

A special topic on an issue not normally covered in the M.S. curriculum will be examined in-depth. The format will depend upon the topic to be covered. Offered occasionally. *Credit: 3 semester hours.*

273 Graphic Novels and Libraries

A brief history of the graphic novel medium, an introduction to comics theory, and how librarians use graphic novels. *Credit: 3 semester hours.*

274 Library Designs

This course addresses the library design and space planning process, the critical nature of the architectural program, the benefits of user participation, and assessing functionality. Library design and space planning process, the critical nature of the architectural program, the benefits of user participation, and assessing functionality. *Credit: 3 semester hours.*

275 Cultural Competence for Information Professionals

Application of cultural competence knowledge, skills, and practices required in a culturally diverse environment for information professionals. *Credit: 3 semester hours.*

282 Knowledge Management

The process and practice of facilitating the generation, sharing, acquisition, and application of knowledge in an organization; dissemination according to needs and preferences of stakeholders. *Credit: 3 semester hours.*

283 Social Justice in the Information Professions

Topics focus on the relationship between information access and human development. Emphasis placed on critically examining information policies and services (i.e., reference, cataloging, collection development, information access, user studies, e-citizenship, evaluation) in light of relevant elements of the Universal

Declaration of Human Rights (United Nations, 1948), multiple social justice theories, and social activism trends in the information professions. *Credit: 3 semester hours.*

302 Genealogical Sources and Services

The course will enable students to conduct and assist with family history research using a wide variety of genealogical resources. *Credit: 3 semester hours*

310 Fundamentals of Data Curation

Management of data throughout its life cycle from creation to archiving to deletion. The processes involved in data analysis, accessibility and reliable retrieval of data for research purposes. *Credit: 3 semester hours.*

311 Records & Information Management

Management of information throughout its life cycle, from the time of creation or receipt to its eventual disposition. *Credit: 3 semester hours.*

320 Fake News and Misinformation

Skills, strategies, and resources to address fake news and misinformation, and their implications for public health, civic engagement, and people's overall well-being. *Credit: 3 semester hours.*

901 Special Research and Projects I

902 Special Research and Projects II

The formal presentation of a research paper or project (survey, history, bibliographic essay, etc.) resulting from investigation of a problem under the direction of a member of the faculty. *Credit: 3 semester hours.*

925 Maintaining Matriculation

Master's students who are not registered for other courses must register for 925 until degree requirements are completed and the degree is granted. Fall/Spring only. *No credit. Fee: \$100*

105 Comprehensive Portfolio

Students are required to submit an e-Portfolio as an end of program assessment in either the last semester of coursework or the semester immediately following. *No credit.*

For a complete listing of approved courses, please contact the Dean's Office

Department of Mathematics and Computer Science (MTH)

Programs of Study

Master of Arts (M.A.) in Applied Mathematics, Computing, and Machine Learning

The M.A. in Applied Mathematics, Computing, and Machine Learning is a versatile degree

that allows students to deepen their math and computer science knowledge. It will provide students with a solid foundation in these subjects from which to pursue further doctoral research or advancement in a range of exciting career fields. The program offers a track in Artificial Intelligence and Machine Learning, which prepares students for careers in this quickly-growing area of science, art, technology, and business.

Through the 33-credit program, students will use computer programs to solve real-world mathematical problems. They will develop and analyze mathematical models of physical and biological phenomena and engineering systems, interpret the solutions of these problems in the context of what they model, and use the results to identify relationships, patterns, and the effects of altering one or more variables or modeling assumptions. Courses cover such topics as software systems, computer algorithms, formal language theories, and database management systems to provide students with the research, analytical, and communication skills to succeed in any career path. Full-time students can complete the degree in two years, with classes scheduled to accommodate working professionals.

Entrance Requirements

Acceptance into the M.A. in Applied Mathematics, Computing, and Machine Learning requires evidence of successful completion of a baccalaureate degree with a cumulative 3.0 grade point index or higher. Students must also submit a resume, two letters of recommendation, and a statement of professional and academic goals with their applications.

Students who have completed an undergraduate degree in mathematics or computer science may apply to this master's program. Students with a minor in mathematics or computer science are also welcome to apply; their application will be reviewed by the department's Graduate Education Policy Committee (GEPC) to determine if they have completed requisite coursework. If the GEPC determines the student's coursework satisfies the requirements of admission, such students may be admitted to the program contingent on meeting other admission requirements. Students whose undergraduate GPA does not meet admission requirements may be able to register as non-matriculated students (see "Non-Matriculated Students").

Students accepted to the program may transfer a maximum six credits for previously completed mathematics or computer sciences courses if approved by the GEPC and the Dean's Office (see "Transfer Credit").

Program Requirements

The M.A. requires successful completion of 33 credits of coursework, and a comprehensive

examination for the non-thesis track or a master's thesis for the thesis track.

Required Courses

1. One course in Computing:

- MTH 165 Introduction to Computing with Applications
- MTH 169 Mathematical Modeling
- MTH 177 Software Systems

2. One course on Probabilistic/Statistical Methods:

- MTH 161 Introduction to Probability
- MTH 163 Statistical Modeling
- MTH 164 Statistics and Data Analytics

3. One course on Algorithmic

Methods:

- MTH 180 Computer Algorithms
- MTH 276 Automata & Formal Language Theories
- MTH 283 Combinatorial Optimization

4. One course on Algebraic Methods:

- MTH 209 Linear Algebra I
- MTH 213 Applied Algebra
- MTH 214 Cryptography

5. One course on Machine Learning and Artificial Intelligence:

- MTH 182 Machine Learning in Finance
- MTH 222 Machine Learning
- MTH 228 Introduction to Modern Topics in Machine Learning
- MTH 242 Artificial Intelligence
- MTH 284 Statistical Natural Language Processing
- MTH 286 Reinforcement Learning in Finance
- MTH 290 Advanced Machine Learning

6. MTH 580 Database Management Systems

7. Electives 15 credits of elective MTH courses

8. Comprehensive Exam

- MTH 105 Comprehensive Exam for the non-thesis track
- MTH 105T Master's Thesis for the thesis track

B.S. Computer Science (Staten Island)/M.A. Applied Mathematics, Computing, and Machine Learning Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Computer Science (Staten Island campus) and the M.A. program in Applied Mathematics, Computing, and Machine Learning. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the

University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. Computing and Machine Learning (Staten Island)/M.A. Applied Mathematics, Computing, and Machine Learning Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Computing and Machine Learning (Staten Island campus) and the M.A. program in Applied Mathematics, Computing, and Machine Learning. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.A. Mathematics/M.A. Applied Mathematics, Computing, and Machine Learning Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.A. program in Mathematics and the M.A. program in Applied Mathematics, Computing, and Machine Learning. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. Mathematics/M.A. Applied Mathematics, Computing, and Machine Learning Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Mathematics and the M.A. program in Applied Mathematics, Computing, and Machine Learning. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.A. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Master of Science (M.S.) in Computational Biology and Biostatistics

The objective of the M.S. program in Computational Biology and Biostatistics (CBBS) is to train at the Master's level future scientists who will be able to use and to develop new computational tools in order to solve problems in modern Biology.

This program answers a growing demand for data analysts, data curators, database developers, statisticians, mathematical modelers, bioinformaticians, and software developers with training in both computer science and biology.

Incoming students are expected to matriculate from disciplines that provide a background in introductory Biology and Mathematics.

CBBS provides a balanced curriculum weaving topics in Biology, Computer Science, Statistics, and Data Analysis, that transcends traditional departmental boundaries and ensures that all students establish a solid foundation on which to build their training.

Entrance requirements

Acceptance into the M.S. in Computational Biology and Biostatistics requires evidence of successful completion of a baccalaureate degree with a cumulative GPA of 3.0 or higher. Students must also submit a resume, two letters of recommendation, and a statement of professional and academic goals with their application.

Students who have completed an undergraduate degree with a major or minor

in Biology may apply to this master's program. Students who completed three Biology courses, one Probability/Statistics, and one Calculus course, with a grade of B or better are also encouraged to apply.

Program requirements

Students must complete 36 credits with a 3.0 index or higher, 24 of which are satisfied by the completion of the required courses. The remaining 12 credits are to be chosen from the list of elective courses. The program's culminating experience consists of a comprehensive examination.

A student may transfer up to six graduate credits from another fully-accredited institution of higher learning to substitute for courses in the curriculum. The student should present a syllabus of the course for which credit is requested and an official transcript from the credit granting institution to the Program Director. The syllabus will be evaluated by the chair of the department and if it is deemed to be equivalent, the student will receive transfer credit for the course.

Students of the program are required to take

1. Required Biology courses (12 credits)

BIO 207	Core A Biochemistry
BIO 208	Core B Molecular Biology
BIO 209	Bioinformatics
BIO 212	Core C Cell Biology

2. Choose one course from each group (12 credits total):

Group I Probabilistic/Statistical Methods	
MTH 161	Introduction to Probability
MTH 163	Statistical Modeling
MTH 164	Statistics and Data Analytics
Group II Computing	
MTH 165	Introduction to Computing with Applications
MTH 169	Computing with Statistical Applications
MTH 177	Software Systems
Group III Algebraic Methods	
MTH 172	Operations Research I
MTH 209	Linear Algebra I
MTH 213	Applied Algebra
MTH 214	Cryptography
Group IV Model Analysis:	
MTH 167	Mathematical Modeling I
MTH 180	Computer Algorithms
MTH 222	Machine Learning
MTH 228	Convex Optimization
MTH 240	Computational Biology
MTH 600	Topics in Applied and Computational Mathematics

3. Elective credits, 12, (Choose From the Following)

BIO 236	Microbial/Molecular Genetics
BIO 248	Laboratory Techniques and Applications I

BIO 299	Scientific Literacy and Integrity
BIO 352	Special Research in Biological Sciences
BIO 353	Special Research in Biological Sciences II
MTH 161	Introduction to Probability
MTH 163	Statistical Modeling
MTH 164	Statistics and Data Analytics
MTH 165	Introduction to Computing with Applications
MTH 167	Mathematical Modeling I
MTH 169	Computing with Statistical Applications
MTH 172	Operations Research I
MTH 177	Software Systems
MTH 180	Computer Algorithms
MTH 209	Linear Algebra I
MTH 213	Applied Algebra
MTH 214	Cryptography
MTH 222	Machine Learning
MTH 228	Introduction to Modern Topics in Machine Learning
MTH 240	Computational Biology
MTH 242	Artificial Intelligence
MTH 283	Combinatorial Optimization
MTH 580	Database Management Systems
MTH 600	Topics in Applied and Computational Mathematics
CUS 610	Data Mining/Predictive Model I
CUS 615	Data Mining/Predictive Model II
HCI 520	Medical and Health Informatics
MPH/PAS 252	Biostatistics
ENV 103	Intro to Environmental OMICS
ENV 210	Transcriptomes, Proteomes, and Metabolomes
4. Comprehensive Exam	
CBB 105	Comprehensive Examination

B.S. in Biology/ M.S. in Computational Biology and Biostatistics Pathway

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Biology (Queens campus) and the M.S. program in Computational Biology and Biostatistics. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.S. program is seamless upon completion of the undergraduate degree. Applicants will

be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Courses

161 Introduction to Probability

Probability spaces, elementary and general; random variables and their probability distributions; distribution functions; and density functions. *Credit: 3 semester hours.*

163 Statistical Modeling

Sampling distributions, confidence intervals, hypothesis testing, analysis of variance, contingency tables, regression, survival analysis, with applications to the modeling and simulation of real-world problems. *Credit: 3 semester hours.*

164 Statistics and Data Analytics

Probability distributions, parameter estimation, network theory, graphical display, analysis of variance, simple and multiple regression, time series, predictive modeling. *Credit: 3 semester hours.*

165 Introduction to Computing with Applications

Basic computer hardware and software concepts; programming in a currently used programming language; managing general and scientific problems on the computer; processing of numeric and character information. *Credit: 3 semester hours.*

167 Mathematical Modeling I

The study of mathematical model building with application to the physical and social sciences. *Credit: 3 semester hours.*

169 Computing with Statistical Applications

An introduction to the basic principles of statistical methods and procedures used for data analysis, and the application of programming to solve problems in statistics. *Credit: 3 semester hours.*

172 Operations Research I

A survey of operations research methods for problem solving, with an emphasis on formulation, solution, and decision analysis. Topics will include linear programming techniques, scheduling, and allocation problems. *Credit: 3 semester hours.*

177 Software Systems

Prerequisite: MTH 165. The design of processing systems such as languages and their processors: assemblers, compilers, loaders and linkers; operating systems; information management;

storage, naming, retrieval, protection. *Credit: 3 semester hours.*

180 Computer Algorithms

The study of the notion of complexity of algorithms and some of the most important general approaches to algorithm design; design of efficient algorithms for a variety of problems, with mathematical proof of correctness and analysis of time and space requirements. *Credit: 3 semester hours.*

182 Machine Learning in Finance

Prerequisite: MTH 165 or permission of the Department Chairperson. Introduction to machine learning techniques and algorithms used in Finance to process and build models of the financial data. *Credit: 3 semester hours.*

209 Linear Algebra I

An advanced treatment of the basic concepts of linear algebra: vector spaces; linear transformations, matrices, inner product spaces. *Credit: 3 semester hours.*

213 Applied Algebra

Topics such as: groups, rings, finite fields, selected with their applicability to the study of cryptography, geometry, and computer science. *Credit: 3 semester hours.*

214 Cryptography

Block ciphers, message authentication codes, public key encryption, digital signatures, and key establishment, including Advanced Encryption Standard (AES), Rivest-Shamir-Adleman Optimal Asymmetric Encryption Padding (RSA-OAEP), and Digital Signature Algorithm. *Credit: 3 semester hours.*

222 Machine Learning

Prerequisites: MTH 165, MTH 161, MTH 209 or equivalent. This course provides an overview of machine learning concepts, techniques, and algorithms. It covers classification, support vector machines, hidden Markov models, Bayesian networks, as well as recent topics such as boosting and Deep Learning. *Credit: 3 semester hours.*

228 Introduction to Modern Topics in Machine Learning

Some modern topics in Machine Learning such as ensemble methods, neural networks, hidden Markov models, Bayesian networks, and deep learning. *Credit: 3 semester hours.*

240 Computational Biology

Computational/algorithmic tools, DNA content analysis, protein binding patterns, sequence comparison, hidden Markov models (HMMs), networks and systems biology, network alignment and phenotypes, genomic variation. *Credit: 3 semester hours.*

242 Artificial Intelligence

Prerequisites: MTH 209, MTH 161, and MTH 165. This course provides an overview of concepts, techniques, and algorithms in artificial intelligence. *Credit: 3 semester hours.*

276 Automata & Formal Language Theories

Formal language theory; models of computation; finite state machines, pushdown automata; Turing machines. *Credit: 3 semester hours.*

282 Convex Optimization

Prerequisites: MTH 209 and MTH 165. This course focuses on recognizing and solving convex optimization problems using convex analysis. It covers: linear and quadratic, semidefinite programming, minimax, extremal volume, and other problems; optimality conditions; duality theory; interior-point methods; and applications to statistics, artificial intelligence, machine learning, and finance. *Credit: 3 semester hours.*

283 Combinatorial Optimization

Mathematical ideas for solving optimization problems over discrete structures and effectiveness of the resulting algorithms. *Credit: 3 semester hours.*

284 Statistical Natural Language Processing

Prerequisites: MTH 161, MTH 165, MTH 209 or equivalent. This course provides an overview of the concepts, techniques, and algorithms in Statistical Natural Language Processing such as probabilistic language models, text classifiers, analyzers/mappers into linguistic representation, and natural language generators. *Credit: 3 semester hours.*

286 Reinforcement Learning in Finance

Prerequisites: MTH 165 and MTH 182 or permission of the Department Chairperson. An exploration of the application of the Reinforcement Learning techniques and algorithms to Finance. Financial models will be explored, and algorithms and methods of Reinforcement Learning will be applied to processing financial data. *Credit: 3 semester hours.*

290 Advanced Machine Learning

Prerequisite: MTH 222. This course covers in-depth the machine learning concepts, techniques, and algorithms introduced in MTH 222, concentrating on most-used methods like ensemble methods, neural networks, and Deep Learning, among others. *Credit: 3 semester hours.*

403 Independent Research/Internship

The course provides students in the M.A. program the opportunity to apply the mathematics and computer science that they have learned to practical problems in the workplace or to conduct research in a topic of their choice. Department approval required. *Credit: 3 semester hours.*

580 Database Management Systems

Prerequisite: MTH 165. The fundamentals of implementing relational database management systems with an emphasis of how they are used in data intensive applications. *Credit: 3 semester hours.*

600 Topics in Applied and Computational Mathematics

Topics will include current areas of research in applied and computational mathematics. *Credit: 3 semester hours.*

901 Independent Study

Prerequisite: The study area must be approved in advance by the director of the graduate program. Guided study and reading on an individual basis. Students must submit to the director of the graduate program, before registration, an outline of subject areas to be studied and approval from the faculty member who agrees to supervise the study. *Credit: 3 semester hours.*

925 Maintaining Matriculation

Master's students not registered for other courses must register for 925 until all degree requirements are completed and the degree is granted. *No Credit. Fee: \$100 per semester.*

105 Comprehensive Examination

This exam tests the student's knowledge in their field. *No credit.*

For a complete listing of approved courses, please contact the Dean's Office.

Neuroscience (NEU) Programs of Study

Master of Science (M.S.) in Neuroscience

The M.S. in Neuroscience at St. John's University prepares students for careers in the growing interdisciplinary field of Neuroscience. In the program, students acquire the critical, analytical, and decision-making skills they need for careers in research, government, pharmacy, and biotechnology. Applicants with backgrounds in the natural, physical, and social sciences who wish to expand their career options to the field of neuroscience are welcome.

The program allows students to design a curriculum that best fits their individual interests and career goals. You may pursue either the 30-credit thesis option or the 33-credit non-thesis option and may complete an internship or supervised research to further develop your skills.

Entrance Requirements

The M.S. in Neuroscience is designed to provide natural, physical, and social scientists who wish to expand their career options to the field of neuroscience.

In addition to the general requirements for admission to graduate student in St. John's College of Liberal Arts and Sciences, applicants must present a cumulative undergraduate GPA of 3.0, as well as 3.0 or better in the major discipline, and have a background in the natural, physical, or social sciences.

Program Requirements

The M.S. in Neuroscience offers both a 33-credit non-thesis option and a 30-credit

thesis option. The program's culminating experience includes a choice of a capstone project, comprehensive examination, or thesis, which you will select in consultation with your advisor. For example, for students wishing to pursue further graduate study, they would be encouraged to complete a thesis. For professionals already working in the field as a research technician or hoping to become a research technician, the comprehensive examination may be chosen as the culminating experience.

Students who elect the non-thesis option, also have the option of completing an internship or independent study to enhance their research and professional development.

Thesis Option**Required**

BIO 208	Molecular Biology	3 credits
BIO 210	Molecular Neuroscience	3 credits
BIO 212	Cell Biology	3 credits

Neuroanatomy (Choose One)

CSD 329	Neuroanatomy of Speech Systems	3 credits
PHS 239	Functional Neuroanatomy & Neuropathology	3 credits

Electives (Choose From Among the Following)

BIO 209	Bioinformatics	3 credits
BIO 248	Lab Techniques	3 credits
BIO 249	Communication Skills in the Life Sciences	3 credits
BIO 299	Scientific Literacy & Integrity	3 credits
BIO 708	Special Topics in Biology	3 credits
CSD 340	Special Topics in Communication Sciences and Disorders	3 credits
PAS 252	Biostatistics	3 credits
PHS 250	Cell and Tissue Culture	3 credits
PHS 250L	Cell and Tissue Culture Laboratory	1 credit
PSY 608	Foundations of Data Analysis	3 credits
PSY 617	Cognitive and Affective Bases of Behavior	3 credits
PSY 648	Physiological Psychology	3 credits
PSY 835	Neuropsychological Assessment	3 credits
TOX 205	Neurotoxicology	3 credits

Thesis Research (6 Credits)

BIO 900	Master's Thesis Research	3 credits
PSY 908	Master's Thesis Research	3 credits
NEU 105T	Master's Thesis Defense	0 credits

Non-Thesis Option**Required**

BIO 208	Molecular Biology	3 credits
BIO 210	Molecular Neuroscience	3 credits
BIO 212	Cell Biology	3 credits

Neuroanatomy (Choose One)

CSD 329	Neuroanatomy of Speech Systems	3 credits
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PHS 239 Functional Neuroanatomy & Neuropathology 3 credits

Electives (Choose From Among the Following)

BIO 209 Bioinformatics 3 credits
 BIO 248 Lab Techniques 3 credits
 BIO 249 Communication Skills in the Life Sciences 3 credits
 BIO 299 Scientific Literacy & Integrity 3 credits
 BIO 500 Graduate Research Presentation 2 credits
 BIO 599 Department Seminar 1 credit
 BIO 708 Special Topics in Biology 3 credits
 CSD 340 Special Topics in Communication Sciences and Disorders 3 credits
 PAS 252 Biostatistics 3 credits
 PHS 250 Cell and Tissue Culture 3 credits
 PHS 250L Cell and Tissue Culture Laboratory 1 credit
 PSY 648 Physiological Psychology 3 credits
 TOX 205 Neurotoxicology 3 credits

Internship (Optional)

BIO 350 Internship in Biology 3 credits
 BIO 351 Internship in Biology 3 credits

Special Research (Optional)

BIO 352 Special Research in Biological Sciences 3 credits
 CSD 452 Special Research in Speech-Language Pathology 3 credits

Comprehensive Examination

NEU 105 Comprehensive Examination 0 credits

Pathways: Undergraduate/Graduate

B.A. Psychology/M.S. Neuroscience

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.A. program in Psychology and the M.S. program in Neuroscience. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.S. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S. Biology/M.S. Neuroscience

St. John's College of Liberal Arts and Sciences offers a pathway enabling undergraduate students to streamline study between the B.S. program in Biology and the M.S. program in Neuroscience. Undergraduate students pursuing the pathway may take up to 12 graduate credits as part of their undergraduate degrees, upon consultation with an advisor. Assuming good academic standing, matriculation into the M.S. program is seamless upon completion of the undergraduate degree. Applicants will be expected to demonstrate their ability to meet the following entrance requirements: an overall 3.0 grade GPA and at least 12 major credits completed at St. John's with a major GPA of 3.0. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the pathway, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Courses

105 Comprehensive Examination

This examination tests the student's knowledge in the field. *No credit.*

105T Master's Thesis Defense

Master's students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

Philosophy, Politics, and Economics (PPE)

Programs of Study

Master of Arts (M.A.) in Philosophy, Politics, and Economics

The M.A. in Philosophy, Politics, and Economics at St. John's University is a thoroughly interdisciplinary graduate program that incorporates courses from all three fields of inquiry, offering a plan of integrated study that enhances students' understanding of each discipline in relationship to the others. The program prepares students as leaders of tomorrow, grounded in the University's mission of social justice. Courses in Philosophy emphasize individual rights and dignity while also cultivating a personal sense of responsibility not only to other individuals but to society as a whole. Government and Politics and Economics and Finance courses highlight issues of social justice and foster a commitment

to finding ways, through public policy, of helping those that are least fortunate.

Entrance Requirements

Applicants to the M.A. in Philosophy, Politics, and Economics must meet the general requirements for graduate study in St. John's College of Liberal Arts and Sciences.

Program Requirements

Students in the M.A. in Philosophy, Politics, and Economics select a minimum of graduate-level courses from each of the three constitutive disciplines, as well as an additional program elective, in consultation with a faculty advisor. They also undergo a two-semester interdisciplinary seminar in the final year. To culminate the degree, students have the option to complete either a thesis project or practicum to enhance their research skills and professional development.

Program Requirements

Economics and Finance	at least 6 credits
Government and Politics	at least 6 credits
Philosophy	at least 6 credits
Elective	3 credits
Interdisciplinary Seminar	6 credits
Practicum or Thesis	6 credits
Total	33 credits

Philosophy Electives (Choose at Least Two)

PHI 120 Theories of Justice
 PHI 169 Commerce, Morality, and Public Policy
 PHI 259 Philosophy of Law
 PHI 267 Political Philosophy
 PHI 268 Feminist Philosophy
 PHI 325 Marxism

Government and Politics Electives (Choose at Least Two)

GOV 156 Global Environmental Politics
 GOV 163 Ethical Problems in Government and Public Administration
 GOV 164 Foundations of International Relations
 GOV 177 Contemporary Political Theory
 GOV 181 Principles of Public Administration
 GOV 192 Public Finance and Budget Administration
 GOV 205 Modern Political Research
 GOV 215 Research Methods and Quantitative Analysis
 GOV 220 American Political Thought
 GOV 239 Municipal Government and Administration
 GOV 263 War, Revolution, and Terrorism
 GOV 296 Politics of the Welfare State
 GOV 298 European Political Parties and Party System
 GOV 325 Economic Analysis of Public Policy

Economics Electives (Choose at Least Two)

ECO 604 Economic Foundations
 ECO 606 Industrial Economics
 ECO 631 Monetary and Fiscal Policies
 ECO 670 Urban Economics

Courses

120 Theories of Justice

A survey course covering the major theoretical approaches and the fundamental questions. What is it for social, political, and economic institutions to be socially just? *Credit: 3 semester hours.*

169 Commerce, Morality, and Public Policy

Corporate governance and social responsibility. The morality of capitalism: does it promote disparity alienation, or does it foster individuality and promote equality? *Credit: 3 semester hours.*

259 Philosophy of Law

Special topics in law focusing on government and business; labor law, anti-trust, business and regulatory measures. Landmark Supreme Court cases will be studied. *Credit: 3 semester hours.*

267 Political Philosophy

Is there a distinction between legitimate and de facto political power? This course explores fundamental concepts: equality, the common good, justice-as-fairness, autonomy, public reason, and individual rights. *Credit: 3 semester hours.*

268 Feminist Philosophy

A survey course covering influential feminist writers and enduring feminist themes. The indispensable contribution of the feminist perspective on justice, politics, and society. *Credit: 3 semester hours.*

325 Marxism

What is still valuable in the Marxist critique of capitalism? A close reading of classic Marxist text and contemporary interpretations, with and focus on practical adaptations. *Credit: 3 semester hours.*

Philosophy, Politics, and Economics Courses 400 Interdisciplinary Seminar

An interdisciplinary course team-taught by instructors representing the program's core disciplines. The course will aim to systematically integrate students' understanding of the three disciplines at the graduate level. *Credit: 3 semester hours.*

901 Independent Study

Individual study under the direction of a selected faculty member. The area of research must be approved in advance by the chair and in consultation with the supervising faculty member. *Credit: 3 semester hours.*

Department of Psychology (PSY)

The Department of Psychology offers a Doctor of Philosophy (Ph.D.) program in Clinical Psychology, a Master of Arts (M.A.) program in General-Experimental Psychology, and Master of Science (M.S.) and Doctor of Psychology (Psy.D.) programs in School Psychology. The Ph.D. program in Clinical Psychology offers two major areas of study: Adult, a specialty area focusing on education and training with adult clinical populations, and Child and Adolescent, which offers advanced training in child psychology. The M.S. and Psy.D. programs in School Psychology also offer two tracks of study: a general course of study in School Psychology (General Track) and a subspecialty track in bilingual school psychology (Bilingual Track). The Ph.D. program in Clinical Psychology and the Psy.D. program in School Psychology are full accredited by the American Psychological Association, Office of Program Consultation and Accreditation, 750 First Street, NE Washington, DC 20002-4242 (202-336-5979). The M.S. program in School Psychology is fully accredited by the National Association of School Psychologists.

General Admission Requirements

Admissions to the Ph.D., Psy.D. and M.S. programs are for the fall semester only. Applications for fall admissions must be completed as follows:
Ph.D., December 15
Psy.D., December 15
M.S., March 15

Admission to the M.A. program is for the fall and spring semesters and applications are accepted throughout the year. For fall admission, the application review process begins April 1 and for spring admission, the application review process begins October 1.

Applicants for all degree programs must:

1. Possess a baccalaureate degree.
2. Satisfy the department that the undergraduate preparation indicates a high potential for successful advanced study in psychology.
3. Submit transcripts of undergraduate and any prior graduate work.
4. For Clinical and School Psychology, applicants must have completed a minimum of 24 undergraduate credits in psychology, including courses in introductory psychology, statistics, and a laboratory course. Applicants to the M.A. must have completed an introductory psychology course and a statistics course.
5. Submit three to five letters of recommendation, one of which must be from an individual who will address the matter of the applicant's research potential.

6. Submit two papers from psychology courses: one a laboratory paper and one a term paper.
7. Provide a clearly written statement of educational and professional goals.

The Graduate Record Examinations are optional for the clinical and school psychology programs. Clinical and School Psychology applicants who did not either major in psychology or complete a graduate degree in psychology must also submit acceptable scores on the subject (Psychology) section of the Graduate Record Examination. In addition, one or more interviews by the departmental admissions committee may be requested of applicants to the Ph.D., Psy.D., and M.S. programs.

Those students currently matriculated for a master's degree at St. John's University who are interested in the University's doctoral programs must follow the procedure outlined for new applicants. Students accepted for admission to a doctoral program with any course deficiencies must remove these deficiencies prior to matriculation. Students accepted for admission to a master's program with any course deficiencies should attempt to make up these deficiencies prior to starting the program; however, it is possible to make up certain deficiencies within the first year of graduate work. Deficiencies may be completed during the summer preceding matriculation by enrolling in appropriate undergraduate or 100-level courses. Credit toward the degree will not be awarded for any courses used to remove deficiencies.

The Ph.D. program in Clinical Psychology requires that students maintain full-time status for the duration of the program. Although full-time status is preferred for all other programs, the Psy.D., M.S., and M.A. program may be undertaken on a part-time basis with a minimum of six credits per semester.

Programs of Study

Doctor of Philosophy (Ph.D.) in Clinical Psychology

General Program Requirements

The Doctoral Program in Clinical Psychology requires four years of full-time coursework and practicum experience in addition to successful completion of a comprehensive examination, clinical internship, master's thesis, and dissertation. Students are evaluated after completing each level to determine their eligibility to progress to the next level.

The program is designed to provide a logical progression of coursework. The first two levels are directed at imparting the basic principles and skills in assessment, statistics, foundations, psychotherapy, and research methodology. Committee approval of the proposal is required

prior to submission of internship applications. Failure to make satisfactory progress may result in termination from the program.

Students begin their clinical practicum training during year 1–2 at our training clinic, the St. John’s University Center for Psychological Services. During years 3 and 4 there is further development of various clinical skills through concentrated work in clinical externship settings and related coursework and continuation of clinic practicum work at our training clinic. The comprehensive examination must be taken in the summer preceding year 4. Students will be afforded two opportunities to pass the examination and successful completion of the exam is required for continuation in the program. Upon passing the exam, the student must register for Doctoral Research (PSY 950, 3 credits) in the spring of year 4 and each semester thereafter, with the exception of the internship year.

The fifth year of the program is normally devoted to a full-time clinical internship which has been approved by the department. During the internship year, the student must register for PSY 903 and PSY 904 (1 credit) and PSY 950 (0 credit). There is a charge of \$100 per semester for PSY 903 and PSY 904. Instead of embarking on an internship during the fifth year, students may elect to work toward completing their dissertation research and defer their internships for a year. Students in the Child and Adolescent area must complete an approved internship that has a substantial concentration in clinical work with children, adolescents, or families.

Students elect, at the point of application to the program, one of two major areas of study within the Clinical Psychology program in which they can pursue more concentrated training opportunities: (1) Adult; or (2) Child and Adolescent.

The Master of Arts (M.A.) degree in Clinical Psychology will be awarded upon successful completion of the master’s thesis, as well as successful completion of all course work required during the first two years of the program of study, and meeting all established deadlines set by the Graduate Division of St. John’s College of Liberal Arts and Science. Students meeting these requirements must apply to the Graduate Division for information regarding the conferral of the M.A. degree.

Specific Program Requirements

Courses are divided into five areas of specialization:

- Foundations
- Research and Methodology
- Personality, Social Behavior, and Abnormal Behavior
- Assessment
- Psychotherapy

These areas are progressively developed over the five levels of the program. The following is a breakdown, by area of specialization, of the required courses in the program.

- Foundations:** These offerings are designed to transmit a basic fund of knowledge relating to the history and science of the discipline.
 - 617 Cognitive and Affective Bases of Behavior
 - 648 Physiological Psychology
 - 650 History and Systems of Psychology
- Research and Methodology:** These courses provide instruction in research and methodology with the aim of understanding basic research, designing investigation procedures, and applying research to help solve personal and social problems.
 - 608 Foundations of Data Analysis
 - 609 Research Methods in Clinical Psychology
 - 614 Multiple Regression/Correlation
 - 619 Advanced Techniques for the Analysis of Behavioral Data
 - 759 Psychometrics
 - 900 Master’s Research
 - 950 Doctoral Research
- Personality, Social Behavior, and Abnormal Behavior:**
 - 624 Advanced Developmental Psychology
 - 627 Cultural Diversity in Psychological Services
 - 722 Social Bases of Behavior
 - 726; 727 Psychopathology across the Lifespan I; II
- Assessment:** Evaluation of people using the skills of observation, interviewing, and psychological testing; the theory, development, reliability, validity, appropriate usage, administration, scoring, interpretation, and reporting of the results of the assessment techniques.
 - 660 Assessment I: Intelligence Testing
 - 663 Assessment II: Personality Assessment
 - 668 Assessment Laboratory I
 - 670 Assessment Laboratory II
- Psychotherapy:** Theory, research, techniques and supervised experience in various psychotherapeutic methods.
 - 658 Professional & Ethical Issues
 - 698; 699 Clinic Practicum I; II
 - 701; 705;
 - 741; 742 Assessment & Intervention Practicum I; III; IV; V
 - 702 Assessment & Intervention Practicum II: Clinical Consultation

- 706; 841 Advanced Intervention Practicum I; II
- 842 Advanced Intervention Practicum III: Clinical Supervision

Clinical Psychology Areas of Study

Adult Major Area of Study

Year I

Fall

- 608 Foundations of Data Analysis
- 617 Cognitive and Affective Bases of Behavior
- 660 Assessment I: Intelligence Testing
- 698 Clinic Practicum I
- 727 Psychopathology Across the Lifespan II
- 997 Introduction to Clinical Psychology (0 credits)

Spring

- 614 Multiple Regression/Correlation
- 663 Assessment II: Personality Assessment
- 699 Clinic Practicum II
- 726 Psychopathology Across the Lifespan I
- 756 Evidence-based Interventions I

Summer

*Elective

Year 2

Fall

- 609 Research Methods in Clinical Psychology
- 624 Advanced Developmental Psychology
- 668 Assessment Laboratory I
- 701 Assessment & Intervention Practicum I
- 757 Evidence-based Interventions II

Spring

- 759 Psychometrics
- 670 Assessment Lab II
- 702 Assessment & Intervention Practicum II: Clinical Consultation
- 900 Master’s Research
- *Elective

Summer

- 705 Assessment & Intervention Practicum III

Year 3

Fall

- 648 Physiological Psychology
- 658 Professional & Ethical Issues
- 741 Assessment & Intervention Practicum IV

Spring

- 627 Cultural Diversity in Psychological Services
- 742 Assessment & Intervention Practicum V
- 619 Advanced. Techniques for the Analysis of Behavioral Data

Summer

- 706 Advanced Intervention Practicum I

Year 4

Fall

- 722 Social Bases of Behavior
- 841 Advanced Intervention Practicum II
- 998 Clinical Supervision Practicum
- *Elective

Spring

- 650 History and Systems of Psychology
 842 Advanced Intervention Practicum III:
 Clinical Supervision
 950 Doctoral Research

Year 5**Fall**

- 903 Clinical Psychology Internship I
 950 Doctoral Research

Spring

- 904 Clinical Psychology Internship II
 950 Doctoral Research

N.B. Two days per week must be spent in externship work in a clinical facility in year 3. At least one day a week must be spent in practicum work in a clinical facility in year 4. A student enters Year 5 of the program after completion of all coursework and successful completion of the Comprehensive Examination. While PSY 903 and PSY 904 are taken for one year of internship only, the student remains in year 5 and must continue to register for PSY 950 on a continuing basis until successful completion of the dissertation requirements.

**Total number of elective courses = 3. With the approval of the Program Director, some electives may be taken outside the department. At least one elective must be taken during any summer session before the fourth year of study.*

Child and Adolescent Major Area of Study

Year I**Fall**

- 608 Foundations of Data Analysis
 617 Cognitive and Affective Bases of
 Behavior
 660 Assessment I: Intelligence Testing
 698 Clinic Practicum I
 727 Psychopathology Across the Lifespan II
 997 Introduction to Clinical Psychology (0
 credits)

Spring

- 614 Multiple Regression/Correlation
 663 Assessment II: Personality Assessment
 699 Clinic Practicum II
 726 Psychopathology Across the Lifespan I
 756 Evidence-based Interventions I

Summer

Elective*

Year 2**Fall**

- 609 Research Methods in Clinical Psychology
 624 Advanced Developmental Psychology
 668 Assessment Laboratory I
 701 Assessment & Intervention Practicum I
 757 Evidence-based Interventions II

Spring

- 759 Psychometrics
 670 Assessment Lab II
 702 Assessment & Intervention Practicum II:
 Clinical Consultation
 900 Master's Research
 760 Marital and Family Therapy

Summer

- 705 Assessment & Intervention Practicum III

Year 3**Fall**

- 648 Physiological Psychology
 658 Professional & Ethical Issues
 741 Assessment & Intervention Practicum IV

Spring

- 627 Cultural Diversity in Psychological
 Services
 742 Assessment & Intervention Practicum V
 619 Advanced. Techniques for the Analysis of
 Behavioral Data

Summer

- 706 Advanced Intervention Practicum I

Year 4**Fall**

- 722 Social Bases of Behavior
 841 Advanced Intervention Practicum II
 998 Clinical Supervision Practicum
 *Elective

Spring

- 650 History and Systems of Psychology
 842 Advanced Intervention Practicum III:
 Clinical Supervision
 950 Doctoral Research

Year 5**Fall**

- 903 Clinical Psychology Internship I
 950 Doctoral Research

Spring

- 904 Clinical Psychology Internship II
 950 Doctoral Research

N.B. Two days per week must be spent in externship work in a clinical facility in year 3. At least one day a week must be spent in practicum work in a clinical facility in year 4. A student enters year 5 of the program after completion of all coursework and successful completion of the Comprehensive Examination. While PSY 903 and PSY 904 are taken for one year of internship only, the student remains in year 5 and must continue to register for PSY 950 on a continuing basis until successful completion of the dissertation requirements.

**Total number of electives = 2. With the approval of the Program Director, some electives may be taken outside the department. At least one elective must be taken during any summer session before the fourth year of study.*

Doctor of Psychology (Psy.D.) in School Psychology

Program Requirements

The doctoral program in School Psychology requires four years of full-time coursework and practicum experiences; the successful completion of Professional Competency Comprehensive exam; a full-time, one year School Psychology internship; and a dissertation project for a total of 105 credits.

The program is designed to provide a logical progression of coursework over years one

to four. Students are expected to submit a dissertation proposal during year four. In the fifth year of the program, students complete their full-time internship and continue to enroll in PSY 951, the dissertation course. If their dissertation is not completed, students must remain enrolled in PSY 951 until the dissertation is completed, however only three credits count toward the 105 credits regardless of how many semesters they enroll in PSY 951. In addition to the general admission requirements for the department's doctoral programs, the faculty seek applicants to the Psy.D. program who possess (a) excellent interpersonal skills and the ability to get along with others; (b) excellent ability to handle scientific and professional disagreements in a respectful manner; (c) interest in providing psychological services to children, adolescents, and their families; (d) intellectual curiosity and a commitment to lifelong learning; and (e) a commitment to building psychological practice on empirically verified scientific principles.

The School Psychology doctoral program has two tracks: General and Bilingual. The Bilingual Track trains psychologists who are fluent in a language in addition to English to deliver psychological services to children of linguistically and culturally diverse groups.

Students may be admitted with a master's in school psychology and either permanent or provisional New York State certification in school psychology for advanced standing. These students will be required to take a minimum of 50 credits. If the student's master's degree did not include courses that are required for licensure as a psychologist in New York State, the student must substitute these courses for electives.

In addition, their elective courses may be used to take courses that the Program Director deems were deficient or absent in their school psychology certification education. They must take courses that exist in our program if they did not have equivalent courses in their master's/certification program. Courses required for licensure include: Social (PSY 722); Learning (PSY 616) or Cognition (PSY 617); Physiological (PSY 648) or Biological Bases; Psychometrics (759); and Research Methods (PSY 615).

For further information about advanced standing and course sequence, please contact the Program Director. Advanced standing students must have completed 48 credits prior to internship (PSY 905/906), as per New York State Regulations.

General Track**Year I****Fall**

- 608 Foundations of Data Analysis
 617 Cognitive and Affective Basis of Behavior
 661 Psychoeducational Assessment I

- 665 Introduction to School Psychology
- Spring**
- 614 Multiple Regression/Correlation
- 662 Psychoeducational Assessment II
- 666 Interviewing Skills for Counseling and Consultation
- 671 Child and Adolescent Personality Assessment

Summer (Optional)

- 761 Psychological Assessment Practicum I*

Year 2

Fall

- 715 Assessment, Diagnosis, and Remediation of Learning Disabilities
- 722 Social Basis of Behavior
- 726 Psychopathology across the Lifespan I or
- 727 Psychopathology across the Lifespan II
- 749 Behavior Therapy: Assessment, Treatment, and Consultation
- 761 Psychological Assessment Practicum I*

Spring

- 648 Physiological Psychology
- 716 Psychoeducational Consultation
- 726 Psychopathology across the Lifespan I or
- 727 Psychopathology across the Lifespan II
- 759 Psychometrics
- 762 Psychological Assessment Practicum II*

Summer

- 763 School Psychology Intervention Practicum I
- 850 Cognitive Psychotherapies

Year 3

Fall

- 615 Research Methods in School Psychology
- 624 Advanced Developmental Psychology
- 752 School Psychology Internship Seminar I: Professional Issues**
- 764 School Psychology Intervention Practicum II*

Spring

- Elective
- 627 Cultural Diversity in Psychological Services
- 753 School Psychology Internship Seminar II: Psychological Interventions***
- 765 School Psychology Intervention Practicum III**

N.B. The PRAXIS II: School Psychologist Examination and the Comprehensive Examination are taken during this semester. Students will receive the Master of Science degree in School Psychology at the end of the third year if they pass the PRAXIS II: School Psychologist Examination and the comprehensive examination.

Year 4

Fall

- 650 History and Systems of Psychology
- 754 School Psychology Internship Seminar III: Psychological Interventions and Field Placement***

- Electives (2)

Spring

- 755 School Psychology Internship Seminar IV: Professional Development and Field Placement***
- 951 Doctoral Research (3 credits)
- Electives (2)

Year 5

Fall

- 905 Internship I
- 950 Doctoral Research (1 credit)

Spring

- 906 Internship II
- 950 Doctoral Research (1 credit)

**Students will work in the Center for Psychological Services and other University approved sites for this practicum.*

***Students will be required to spend three days per week in a school setting working under a certified school psychologist who is also a licensed psychologist.*

****Students will be expected to spend three days per week in a school, facility, or clinic providing services primarily to exceptional children working under a certified school psychologist who is also a licensed psychologist.*

Bilingual Track

Year I

Fall

- 608 Foundations of Data Analysis
- 617 Cognitive and Affective Bases of Behavior
- 661 Psychoeducational Assessment I
- 665 Introduction to School Psychology

Spring

- 614 Multiple Regression/Correlation
- 662B Psychoeducational Assessment of Culturally and Linguistically Diverse Children
- 666 Interviewing Skills for Counseling and Consultation
- 671 Child and Adolescent Personality Assessment

Summer (Optional)

- 761B Psychological Assessment Practicum I-Bilingual*

Year 2

Fall

- 715 Assessment, Diagnosis, and Remediation of Learning Disabilities
- 726 Psychopathology Across the Lifespan I or
- 727 Psychopathology Across the Lifespan II
- 729 Psycholinguistics and the Practice of School Psychology with Culturally and Linguistically Diverse Populations

- 749 Behavior Therapy: Assessment, Treatment, and Consultation

- 761B Psychological Assessment Practicum I-Bilingual*

Spring

- 648 Physiological Psychology
- 716 Psychoeducational Consultation
- 726 Psychopathology Across the Lifespan I or

- 727 Psychopathology Across the Lifespan II
- 759 Psychometrics
- 762B Psychological Assessment Practicum II-Bilingual*

Summer

- 763 School Psychology Intervention Practicum I**
- 850 Cognitive Psychotherapies

Year 3

Fall

- 615 Research Methods in School Psychology
- 624 Advanced Developmental Psychology
- 752B Bilingual School Psychology Internship Seminar I: Professional Issues Bilingual**
- 764 School Psychology Intervention Practicum II*

Spring

- 627 Cultural Diversity in Psychological Services
- 753 School Psychology Internship Seminar II: Psychological Interventions**
- 765 School Psychology Intervention Practicum III*
- Elective

N.B. The PRAXIS II: School Psychologist Examination and the Comprehensive Examination are taken during this semester. Students will receive the Master of Science degree in School Psychology at the end of the third year if they pass the PRAXIS II: School Psychologist Examination and the comprehensive examination.

Year 4

Fall

- 722 Social Basis of Behavior
- 754 School Psychology Internship Seminar III: Psychological Interventions and Field Placement**
- Electives (2)

Spring

- 650 History and Systems of Psychology
- 755 School Psychology Seminar IV: Professional Issues and Field Placement***
- 951 Doctoral Research (1 credit)
- Elective

**Students will work in the Center for Psychological Services and other University approved sites for this practicum.*

*** Students will be required to spend three days per week in a school setting working under a certified school psychologist who is also a licensed psychologist.*

****Students will be expected to spend three days per week in a school, facility, or clinic providing services primarily to exceptional children working under a certified school psychologist who is also a licensed psychologist.*

Year 5

Fall

- 905 Internship I (1 credit)
- 951 Doctoral Research

Spring

- 906 Internship II (1 credit)
- 951 Doctoral Research

Electives

Students can take up to three electives outside of the psychology department with the Graduate Director's approval. A list of courses outside of the psychology department that have been approved as electives are listed on the program's web page.

Elective Concentrations

Students can use three of their electives to develop a concentration in an area of study. These elective concentrations will appear as such on students' transcripts.

A) Psychological Interventions – Students who choose this concentration should select three courses from the following:

- PSY 631 Psychoanalytic Psychotherapy I
- PSY 717 Instructional Assessment and Academic Interventions
- PSY 745 Applied Behavior Analysis
- PSY 760 Marital and Family Therapy
- PSY 845 Group Therapy
- PSY 850 Cognitive Psychotherapies
- PSY 861 Psychopharmacology

B) Board Certified Behavior Analyst (BCBA) – Students who choose this concentration must take all of the following courses:

- PSY 744 Assessment Methods for Students with Autism Spectrum Disorders
- PSY 745 Applied Behavior Analysis
- PSY 746 Advanced Research Seminar in Psychology and Special Education: Single Case Design for Students with Autism Spectrum Disorder

C) Child Language Disorders – Students who choose this concentration must take all of the following courses:

- CSD 203 Models of Language Behavior
- CSD 318 Developmental Language Disorders
- CSD 320 Acquired Language Disorders

D) Educational Administration and Law –

Students who choose this concentration should select three courses from the following:

- EDU 5415 Introduction to Educational Administration
- EDU 5418 Administrative Theory
- EDU 5471 Leadership in Instructional Supervision
- EDU 5571 Administrative Leadership in Schools
- EDU 5651 School Community Relations in Education
- EDU 5741 Economics and Financing of Education
- EDU 5791 Legal Aspects in Management and Administration of Schools
- EDU 5811 Administration and Supervision of Special Education Services

E) Literacy – Students who choose this concentration should select three courses from the following:

- EDU 3200 Language Acquisition and Literacy Development for General Education/English Language Learners (ELL)
- EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy Development (K–12)
- EDU 3230 Diagnosis and Case Study Analysis for Literacy Performance
- EDU 3264 Teaching Literacy through Literature, B–6
- EDU 3270 Theories and Strategies in Literacy Leadership

F) Psychological Research – Students who choose this concentration will take the second research methods course in the clinical program (PSY 613). They will also register for PSY 862 for two semesters. This will yield nine credits. For the two semesters of PSY 862, the student will be required to write up a contract with a sponsoring faculty member specifying the activities which will be performed in each of the independent study courses. A paper, suitable for submission to an academic journal, must result from students who take this research concentration. The research topic investigated in this concentration must be sufficiently different from the student's dissertation topic. Students can enroll in this concentration only with the approval of the Program Director.

G) School Neuropsychology – School Neuropsychology "requires the integration of neuropsychological and educational principles to the assessment and intervention processes with infants, children, and adolescents to facilitate learning and behavior within the school and family systems. School neuropsychologists also play an important role in the curriculum development, classroom design, and the integration of differential instruction that is based on brain-behavior principles in order to provide an optimal learning environment for every child" (Miller, DeFina, & Lang, 2004).

Students, with satisfactory academic standing, may enroll in this concentration only with approval of the Program Director. The successful completion of these courses will help prepare students to meet the requirements set by the American Board of School Neuropsychology (ABSNP) to achieve Diplomate status in School Neuropsychology.

The Diplomate in School Neuropsychology credential is awarded to applicants that demonstrate competency in school neuropsychology. The ABSNP, LLC was created to recognize the competency of school neuropsychologists. The ABSNP, LLC requires documentation of one's professional skills and training, passage of a written objective examination, and an oral defense of a written case study. The ABSNP, LLC provides validation of a school neuropsychologist's professional skills and helps promote those skills to your

peers and to the public. Current Diplomates in School Neuropsychology have maintained their professional skills through documented annual continuing education requirements (retrieved from: www.absnp.com).

Students who are permitted to enroll in this concentration will be required to take the specific courses listed below.

- 772 School Neuropsychological Assessment
- 773 School Neuropsychological Assessment Practicum I
- 774 School Neuropsychological Assessment Practicum II

H) Neuropsychology – Neuropsychology is the study of brain-behavior relationships. Students interested in this concentration should discuss with a faculty member the requirements for diplomate certification from the American Board of professional Psychology (ABPP) in neuropsychology. Students can enroll in this concentration only with the approval of the Program Director. Students who choose this concentration must take the specific courses listed and have less choice than other concentrations. These courses help students meet the academic requirements set by the American Board of Professional Psychology for the Diplomate in Clinical Neuropsychology.

- PHS 239 Functional Neuroanatomy and Neuropathology (Department of Pharmaceutical Sciences; This course has prerequisites of undergraduate courses in anatomy and physiology.)
- PSY 835 Neuropsychological Assessment
- PSY 840 Neurological Assessment I
- PSY 861 Psychopharmacology or CPP 216 Psychotherapeutics (Department of Clinical Pharmacy Practice)

Cultural Diversity in the Curriculum

The University maintains the goal of serving all of the people of the New York metropolitan area. Consistent with this goal, the Psychology faculty developed a doctoral program that will train School Psychologists to work with the culturally diverse populations that reflect the changing demographics in this region and most other major urban areas. To infuse a multicultural perspective into the curriculum, we created new courses, some of which are required and some of which can be chosen as electives. First, we created a specific course, PSY 627 Cultural Diversity in Psychological Services, which is required by all students in the bilingual and monolingual tracks. Second, we created alternative courses that emphasize a multicultural/ bilingual perspective. Third, we have infused a multicultural perspective into the syllabi of many courses. A fourth arena that reflects the infusion of cultural diversity into the program is the practica. Students

must complete their practica in the Center for Psychological Services, which serves many minority children. The Center for Psychological Services services a local population from Queens and Nassau Counties which include people of all racial, ethnic, and economic backgrounds. Internship placements also provide an opportunity to infuse a multicultural perspective. Some of our students are placed in the New York City Board of Education schools.

Professional Practice Competency Examination

Students prepare a professional practice case study for this examination. The case study can be (1) an assessment case; (2) a consultation case with teachers, parents, or administrators concerning a classroom, a school-wide, or a district-wide consultation; (3) an individual counseling, a group counseling, or a crisis intervention case; or (4) the development of a psycho-educational intervention program, a token economy, a crisis intervention program, an on-going support group, an in-service training program for school staff, or a special education or alternative education program.

Doctoral Dissertation Project

The Psy.D. program is not designed to train researchers. The goal of this program is to train psychologists who can deliver psychological services and review research to help guide their professional practice. The preamble to the 1989 New York State Doctoral Project indicates that a Psy.D. program "includes training in research, but the research emphasis is on the evaluation of professional techniques and service outcomes and other applied activities." The doctoral dissertation in a Psy.D. program should reflect these goals. A wide range of acceptable standards for dissertations in Psy.D. programs appears across the nation. Some programs require only a literature review, others have a dissertation that is indistinguishable from a Ph.D. All Psy.D. programs in New York State require some data collection as part of the doctoral dissertation.

Dissertation Options

- Empirical Research (development of a measure, correlational design, treatment outcome)
- Ethnographic Research
- Clinical Case Study
- Program Evaluation
- Test Review
- All must have implications for the practice of school psychology.

Empirical Research Dissertations

- **Introduction:** Should include a theoretical rationale for the study, a review of the literature, and a critique of the existing literature relevant to the topic. The

hypotheses, which flow logically from this critique, complete the introduction.

- **Implications for the practice of school psychology.**
- **Method:** Should thoroughly outline the methodology of the study and discuss relevant methodological issues (e.g., subjects and sample size, the reliability and validity of the measures/materials being used, and the procedures employed). The methods section should be detailed enough to allow a person to duplicate your methods.
- **Results:** This is generally the briefest chapter of the school dissertation. It should describe the statistical analyses performed, as well as the relevance of these analyses. This section should be succinct and include no more than four to five statistical tables and/or figures. Detailed commentaries on the results should be left for the discussion section.
- **Discussion:** As a general rule, the discussion includes at least (a) a presentation of the findings; (b) implications of the results for the theoretical issues raised in the introduction; (c) statistical, methodological and/or theoretical explanations for any unexpected findings; (d) an analysis of the methodological weaknesses of the study and how they should be addressed by future research; and (e) suggestions for future research.
- **References:** The reference section is done in APA style, except that the title Reference at the top of the page is treated as a chapter heading.

Ethnographic Research Dissertations

- A type of research that involves studying different groups of people or cultures and investigates social organization, group interactions, and behaviors.
- Typically, this type of study involves learning about small groups of people in their own environment through naturalistic observation over a long period of time.
- The study is descriptive in nature and the researcher is required to interpret events and their significance.
- An advantage to this type of study is that the research question is not easily identified by participants. A clear objective is necessary for the researcher to effectively observe and interpret the environment and social organization. Other research techniques include focus groups and interviews.

Clinical Case Study Dissertations

- Case presentation of how interesting and challenging cases were assessed and conceptualized and how treatment followed such conceptualization. A highly practical format should allow other school psychologists to replicate in their own practices.

- Sections should include:
 - Theoretical and research basis for treatment
 - Case study summary
 - Presenting problem (academic or behavioral)
 - History
 - Assessment (what tools you used; why?)
 - Case assessment (conceptualization of data)
 - Course of treatment and assessment of progress
 - Complicating factors
 - Follow-up
 - Treatment implications of the case
 - Recommendations to school psychologists/clinicians
 - References

Program Evaluation Dissertations

- Seeks to evaluate effectiveness or viability of existing programs or policies.
- Ultimately want to know whether the program/policy is working as intended and meeting stated goals and objective.
- Data can be from a variety of sources, but should be "outcome-based" in order to gauge success or failure of program.
- Data may be survey, numerical, or archival and may include pre- and post-data as appropriate.
- Format of dissertation includes introduction, description, and purpose of program/policy, goals and objectives of program/policy, rationale for evaluation of program, description of methods used to evaluate, description of results and findings, conclusions, and recommendations.
- Overall, the dissertation should determine relative success or failure of the program/ policy and provide specific recommendations for improvement or alternatives.

Test Review Dissertation

- Following the joint standards for test development as well as other existing and widely accepted criteria for evaluating tests, critically review a new or recently revised instrument.
- Joint standards focus on forms of validity evidence that are expected to be provided in all test manuals. Quality of the evidence provided in the manual must be discussed.
- Other criteria focus on psychometric characteristics such as reliability, floors/ceilings, item gradients, standardization characteristics, etc.
- Literature review: overview of the test, its history, how it is used; summary of the literature available on the instrument; review the joint standards and present criteria that will be used to evaluate the instrument.

- Discussion: would you recommend the test be used for its intended purpose? Why? Why not?

Master of Science (M.S.) in School Psychology

Completion of the 66-credit M.S. in School Psychology allows the student to qualify for a provisional New York State Certificate which authorizes practice as a school psychologist. This certificate is valid for five years from the date of issuance; with the accumulation of two years of experience as a school psychologist, a permanent certificate is issued in the field of pupil personnel services.

Although the M.S. has been designated to train the student for professional practice, it is academically oriented as well and provides sound preparation for further graduate work.

Advanced standing may be awarded to those applicants who have already earned a master's degree or its equivalent in psychology from St. John's University or another accredited institution.

Students who are bilingual may choose to enroll in the Bilingual Track. Applicants must demonstrate fluency in a language by passing the New York State Language Proficiency Examination. Foreign-educated or ESL students must also take the English proficiency exam. This program leads to certification as a Bilingual School Psychologist. The coursework, practicum, and internship training in this track prepare students to deliver school psychological services to bilingual children.

Program Requirements

The program requires the satisfactory completion of 66 credits and a comprehensive examination which is offered in the spring semester of the third year. The student must maintain a "B" (3.0) average and is given two opportunities to pass the comprehensive examination. Students must also achieve a grade of at least "B" in PSY 661; 662; 711(B); 712(B); 752(B); and 753.

Program Tracks

General Track

Year 1

Fall

- 603 Inferential Statistics
- 661 Psychoeducational Assessment I
- 665 Introduction to School Psychology
- 666 Interviewing Skills for Counseling and Consultation

Spring

- 620 Cognitive Psychology of Academic Learning
- 648 Physiological Psychology
- 662 Psychoeducational Assessment I
- 671 Child and Adolescent Personality Assessment

Summer (Optional)

- 711 Psychoeducational Assessment Practicum I*

Year 2

Fall

- 627 Cultural Diversity
- 659 Psychological Measurement and Scaling
- 716 Psychoeducational Consultation,
- 726 Psychopathology across the Lifespan I or
- 727 Psychopathology across the Lifespan II
- 711 Psychoeducational Assessment Practicum I*

Spring

- 623 Developmental Psychology
- 715 Assessment, Diagnosis, and Remediation of Learning Disabilities
- 726 Psychopathology across the Lifespan I or
- 727 Psychopathology across the Lifespan II
- 749 Behavior Therapy: Assessment, Treatment, and Consultation
- 712 Psychological Assessment Practicum II*

Year 3

Fall

- 615 Research Methods in School Psychology
- 752 School Psychology Internship Seminar I: Professional Issues**

Spring

- 753 School Psychology Internship Seminar II: Psychological Interventions**
- Elective

N.B. The PRAXIS II: School Psychologist Examination and the Comprehensive Examination are taken during this semester. Students will receive the Master of Science degree in School Psychology at the end of the third year if they pass the PRAXIS II: School Psychologist Examination and the comprehensive examination.

**Students will work in the Center for Psychological Services and other University approved sites for this practicum.*

***In order to satisfy the internship requirements (PSY 752, 753), five full days per week, per semester, must be spent in a school setting or an agency serving children or adolescents under the supervision of a certified school psychologist.*

Bilingual Track

Year 1

Fall

- 603 Inferential Statistics
- 661 Psychoeducational Assessment I
- 665 Introduction to School Psychology
- 666 Interviewing Skills for Counseling and Consultation

Spring

- 620 Cognitive Psychology of Academic Learning
- 648 Physiological Psychology
- 662B Psychoeducational Assessment of Culturally and Linguistically Diverse Children
- 671 Child and Adolescent Personality Assessment

Summer (Optional)

- 711B Psychoeducational Assessment Practicum I-Bilingual*

Year 2

Fall

- 659 Psychological Measurement and Scaling
- 715 Assessment, Diagnosis, and Remediation of Learning Disabilities
- 716 Psychoeducational Consultation
- 726 Psychopathology across the Lifespan I or
- 727 Psychopathology across the Lifespan II
- 729 Psycholinguistics and the Practice of School Psychology with Culturally and Linguistically Diverse Populations
- 711B Psychoeducational Assessment Practicum I-Bilingual*

Spring

- 623 Developmental Psychology
- 715 Assessment, Diagnosis, and Remediation of Learning Disabilities
- 726 Psychopathology across the Lifespan I or
- 727 Psychopathology across the Lifespan II
- 749 Behavior Therapy: Assessment, Treatment, and Consultation
- 712B Psychological Assessment Practicum II-Bilingual*

Year 3

Fall

- 615 Research Methods in School Psychology
- 752B Bilingual School Psychology Internship Seminar I: Professional Issues-Bilingual**

Spring

- 627 Cultural Diversity in Psychological Services
- 753 School Psychology Internship Seminar II: Psychological Interventions**

N.B. The PRAXIS II: School Psychologist Examination and the comprehensive examination are taken during this semester. Students will receive the Master of Science degree in School Psychology at the end of the third year if they pass the PRAXIS II: School Psychologist Examination and the comprehensive examination.

**Students will work in the Center for Psychological Services and other University approved sites for this practicum.*

***In order to satisfy the internship requirements (PSY 752, 753), five full days per week, per semester, must be spent in a school setting or an agency serving children or adolescents under the supervision of a certified school psychologist.*

Master of Arts (M.A.) in Psychology

The Master of Arts degree in Psychology provides students with a broad background of psychological knowledge and tools as preparation for more advanced work at the doctoral level. The program requirements and heavy emphasis on research also provide a solid foundation to pursue many other fields

of inquiry (health, education, industry). Graduate Assistantships are available on a competitive basis.

Most classes are offered after 5 p.m., and part-time attendance is permitted. Students may take courses in the program on a non-matriculated basis, in accordance with the regulations set forth by the Graduate Division (See "Non-Matriculated and Special Students").

Program Requirements

The M.A. program requires satisfactory completion of 33 credits. All students must maintain a "B" average (minimum GPA of 3.0) in the program. Students choose to complete a thesis or comprehensive examination, and also choose between two tracks of study: Cognitive and Behavioral Processes or Social and Developmental Processes. The list of required courses is given below.

Basic Psychology Methods (required of all M.A. students)

- 603 Inferential Statistics
- 604 Psychology Laboratory
- 650 History and Systems
- 659 Psychological Measurement and Scaling

Courses required for Cognitive Behavioral Processes Track

- 606 Perception I
- 616 Principles of Learning
- 617 Cognitive Psychology
- 648 Physiological Psychology

Courses required for Social and Developmental Processes Track

- 621 General Psychopathology
- 622 Social Psychology
- 623 Developmental Psychology
- 630 Personality Theories

Thesis Option

- 900 Master's Research (six credits over two semesters)

Non-Thesis Option

- 105 Comprehensive Examination (0 credits)

Thesis Option

Students choosing the thesis option must complete two semesters of Master's Research (PSY 900), and obtain review and approval of their proposed and completed thesis by two faculty members. Their thesis mentor must be a full-time faculty member. Students doing a thesis take six credits of master's thesis research and three credits of electives.

Non-Thesis Option and Comprehensive Examination Procedure (M.A.)

Students choosing the non-thesis option must pass a comprehensive examination during the final semester of coursework. The student recruits a full-time Psychology faculty member

to administer the exam. The faculty member gives the student a topic to research, and the student has one month from that date to complete a literature review and propose a study (which need not be carried out) on the assigned topic. The student will submit a paper in APA format that includes the literature review, rationale for proposed study, a methods section (including participants and measures and/or procedures), a brief section stating the statistical analyses to be carried out, and a reference page. In sum, the comprehensive examination will be very similar to a thesis or dissertation proposal.

If the comprehensive examination is undertaken during the spring semester, the exam question is given to the student on January 15 and is due to the faculty member by February 15. If it is during the fall semester, the exam question is given to the student on September 15 and is due to the faculty member by October 15. Late submissions will not be accepted and will result in a failure. The exam question should be emailed to the student on the appropriate day, and the Program Director should be copied on that e-mail. Students should submit their papers via e-mail (unless the faculty member requests a hard copy), and the Program Director should be copied.

Expectations for the student:

- The length of the literature review will vary according to the topic, though one can use a basic guideline of 8-14 pages.
- The methods section will also vary in length according to the number of measures to be described, the amount of detail of the study procedure, etc.
- Although it is not expected that the study will be carried out, the student should still demonstrate a solid grasp of the methodological issues. The student should:
 - State specific hypotheses and design a study to address these hypotheses.
 - Identify a reasonable sample with which to carry out the study.
 - Identify appropriate measures, citing reliability and validity information (if applicable).
 - Describe a methodologically sound procedure, citing prior literature using the same procedure (if applicable).
 - Correctly summarize how the data should be analyzed.
- The student must submit a well-written paper in APA format, complete with an abstract, literature review, proposed methods section, proposed analyses section, and reference page.

Grading:

Students are evaluated on nine criteria, listed on the Grading Rubric Evaluation Form, each of which is graded on a 4-point scale (1 = fail, 2 = fair, 3 = good, 4 = excellent). These nine scores are then averaged, and based on the average

score, there are three possible outcomes:

- 1) If the average is 3.0 or higher, the student passes the examination.
- 2) If the average is 2.0 to 2.99, the student may revise and resubmit the examination for re-evaluation within one month after receiving the score. The student will receive feedback from the faculty member to guide them on the necessary revisions.
- 3) If the average is less than 2.0, or if the re-submitted revision does not reach an average of 3.0, the student fails the examination.

Failing the exam:

If the student fails the exam, the student will meet with the Program Director and the faculty member who administered the exam to develop a remediation plan. If the Program Director administered the exam, another faculty member will be selected as a third party. The three parties involved will agree to a remediation plan and will indicate agreement by signature. The remediation plan will be designed to increase the likelihood of success on the second and final attempt at the comprehensive exam.

Students do have a second and final attempt at the exam. The student will repeat the entire procedure with a different faculty member and different research question. If the student does not pass this second comprehensive exam, the department chair will recommend to the Dean's Office that the student be dismissed from the program.

B.A./M.A. in Psychology

The Department of Psychology offers an accelerated combined degree program leading to the B.A. and M.A. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in psychology at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Center for Psychological Services

The St. John's University Center for Psychological Services serves as a primary training site for the Clinical and School Psychology programs in providing comprehensive psychological services to community residents at modest cost. Located

conveniently near the St. John's campus, it provides students with opportunities to develop clinical and assessment skills under faculty supervision. The Center provides training in psychoeducational and personality assessment at Level II (PSY 668–670). The Center also provides training in assessment for school psychology students at the master's level (PSY 711–712) and in therapy for advanced Psy.D. students (PSY 763–764). Opportunities for assessment and intervention experiences in local schools are also available via the Center's School Affiliate Program. The research component of the Center includes collection of clinical data, faculty sponsored research projects, and doctoral dissertation research.

Departmental Policy

All students are expected to conduct themselves in accordance with the ethical standards established by the American Psychological Association and the New York State Department of Education. In addition, all research with human subjects must be performed in accordance with the policies and procedures promulgated by the Institutional Review Board (IRB) of the University. Research with animals must conform to the guidelines established by the Animal Care Advisory Committee (ACAC) of the University. Failure to comply with these standards may result in a departmental recommendation for dismissal.

Institutional Affiliations

The University has developed formal affiliations with a number of clinical facilities in the New York area for purposes of clinical training and research. The Clinical Psychology program has developed a wide network of participating clinical and research practicum placements for its students including Long Island Jewish/Hillside Medical Center, North Shore University Hospital, Queens Hospital Center, Nassau County Medical Center, Bronx Children's Psychiatric Center, Bellevue Psychiatric Hospital, Creedmoor Psychiatric Center, North Shore Child Guidance Center, Beth Israel Medical Center, Pederson-Krag Center, NYS Psychiatric Institute, and Queens Children's Psychiatric Center, among others (see "Affiliate Clinical Professors of Psychology").

Courses

103 Basic Psychology Laboratory

Methods and techniques of laboratory research for students without undergraduate laboratory training. *Credit: 3 semester hours.*
(No credit if used to remove deficiency.)

601, 602 Research Methods, Measurement and Statistics I

A two-semester sequence. Basic and advanced concepts spanning research methods, measurement principles, and statistical techniques emphasizing research approaches,

experimental designs, psychometric theory, and statistical techniques relevant to the practice of school psychology. *Credit: 3 semester hours.*

603 Inferential Statistics

This course provides students who will be primarily consumers of research with a review of basic concepts in statistics and an introduction to the methods used in contemporary research to enable them to evaluate the results and conclusions of scholarly work in psychology. Topics include analysis of variance, correlation, and regression. *Credit: 3 semester hours.*

604 Psychology Laboratory

The student is required to conduct extensive literature searches, collect and analyze data, and generate manuscripts. *Credit: 3 semester hours. Laboratory fee: \$60 per semester. Also open to qualified undergraduates.*

606 Perception I

A survey course emphasizing the historical development of various models aimed at understanding visual experience, such as origins of form, distance, and depth perception. *Credit: 3 semester hours.*

607 Perception II

Perception of radial direction, induced motion, autokinesis, phi, visual imagery, size perception, face recognition, visual and auditory affect recognition, affective aprosodia, and speech. *Credit: 3 semester hours.*

608 Foundations of Data Analysis

The basic issues and techniques in modern data management and analysis. Topics include data description, probabilistic inference, effect size, statistical power, and graphics. Includes a lab. *Credit: 3 semester hours.*

609 Research Methods in Clinical Psychology

Principles and methods of research design as applied to clinical psychology. *Credit: 3 semester hours.*

614 Multiple Regression/Correlation

Prerequisite: PSY 608. The introduction to multiple regression/correlation methods as a general data analytic system based on the general linear model. Includes a lab. *Credit: 3 semester hours.*

615 Research Methods in School Psychology

A survey of the research methods used in the study of children and their development with special emphasis to the type of research questions asked by the school psychologist. *Credit: 3 semester hours.*

616 Principles of Learning

An examination of research in classical and operant conditioning. Includes discussion of

reinforcement, stimulus control, punishment, and other topics relevant to experimental analysis of behavior. *Credit: 3 semester hours.*

617 Cognitive and Affective Bases of Behavior

An examination of theories and research findings regarding attention, sensory and working, episodic, semantic long-term, implicit memory and autobiographical memory, unconscious mental processing, schemata, language, and the roles of emotion in cognition. *Credit: 3 semester hours.*

619 Advanced Techniques for the Analysis of Behavioral data

Prerequisites: PSY 608, 614. This course introduces such techniques as factor analysis, multivariate statistics, structural equation modeling, hierarchical linear modeling, survival analysis, and logistic regression. *Credit: 3 semester hours.*

620 Cognitive Psychology of Academic Learning

This course examines the theory, research and application concerning the cognitive processes that underlie children's development of mathematical thinking, reading comprehension, and study skills. Principles that underlie the assessment strategies and effective teaching and learning of math and reading are discussed. *Credit: 3 semester hours.*

621 General Child and Adult Psychopathology

This course provides an overview of etiology, symptomatology, and outcomes of the major psychological disorders in children and adults. The biological, socio-cultural, and behavioral determinants of abnormal behavior and empirically supported treatments for children and adults are addressed. *Credit: 3 semester hours.*

622 Social Psychology

Topics include attitudes, social perception and cognition, prejudice, gender roles, group behavior, aggression, prosocial behavior, attraction, nonverbal behavior, and special methodological contributions of social psychology. *Credit: 3 semester hours.*

624 Advanced Developmental Psychology

An in-depth analysis of theories and research on cognitive and socio-emotional development. *Credit: 3 semester hours.*

625 Cross-Cultural Psychology

Cross-cultural perspectives on behavior and cognition, including verbal and nonverbal communication, and interpersonal and intergroup relations. Psychological variability among cultural groups will be discussed. *Credit: 3 semester hours.*

626 Psychology of Women

Recent research on role, personality, intellectual, and career considerations relevant to women. *Credit: 3 semester hours.*

627 Cultural Diversity in Psychological Services

A course in diverse cultural perspectives which explores the cultural similarities and differences between psychologist and client and the way these factors affect the delivery of psychological services. *Credit: 3 semester hours.*

630 Personality Theories

Comparison and evaluation of various personality theories focusing on issues of personality structure and personality development. Consideration given to selected contemporary issues. *Credit: 3 semester hours.*

636 Objective Personality Assessment for Mental Health Counselors

An overview of objective personality assessment and its relationship to diagnosis and treatment of psychological disorders in clinical and counseling contexts. Enrollment limited to master's students in Mental Health Counseling. *Test fee: \$50. Credit: 3 semester hours.*

648 Physiological Psychology

Neuroanatomy plus discussion of recent research on sensory coding, neural basis of learning, and the physiological bases of a variety of psychological disorders. *Credit: 3 semester hours.*

650 History and Systems of Psychology

An evaluation of modern systems of psychology and a review of historical antecedents in light of their psychological contributions. *Credit: 3 semester hours.*

658 Professional and Ethical Issues

A study of professional standards and ethical principles as they relate to the professional psychologist's practice and research in the school, hospital, and other settings in the community. *Credit: 3 semester hours.*

660 Assessment I: Intelligence Testing

A course on the assessment of intelligence, including administration, scoring and interpretation of the WISC-IV, WAIS-IV, Stanford-Binet, and other intelligence tests. *Laboratory fee: \$110 per semester. Credit: 3 semester hours.*

661 Psychoeducational Assessment I

Administration, scoring, interpretation, and psychometric characteristics and comparative analysis of contemporary scales of cognitive ability test batteries serves as the basis for this course. *Laboratory fee: \$110 per semester. Credit: 3 semester hours.*

662 Psychoeducational Assessment II

Prerequisite: PSY 661. Advanced issues in the administration, scoring, interpretation, and psychometric and characteristics of both contemporary cognitive and academic ability test batteries form the major components of this course. *Laboratory fee: \$110 per semester.*

Credit: 3 semester hours.

662B Psychoeducational Assessment of Culturally and Linguistically Diverse Children

Prerequisite: PSY 661. Administration, scoring, interpretation and psychometric comparative analysis of newer cognitive achievement tests are presented. The use of tests with bilingual children is emphasized. *Laboratory fee: \$110 per semester. Credit: 3 semester hours.*

663 Assessment II: Personality Assessment

This course includes administration, scoring, and interpretation of objective personality tests. The course will be concerned with the clinical and research applications of these tests. *Laboratory fee: \$10 per semester. Credit: 3 semester hours.*

665 Introduction to School Psychology

This course will provide students with an understanding of the roles and functions of the school psychologist. It will also introduce students to the profession of school psychology from an historical, scientific, and practical perspective. *Credit: 3 semester hours.*

666 Interviewing and Case Formulation

This course provides the student with fundamental skills in interviewing and case formulation. Students will learn to interview parents, teachers, and children and conduct behavioral observations and functional assessments. *Credit: 3 semester hours.*

668; 670 Assessment Laboratory I and II

Prerequisites: PSY 660, 663. Students gain experience at the Center for Psychological Services in psychological assessments. *Test fee: \$50. Credit: 3 semester hours.*

669 Advanced Rorschach

Prerequisite: PSY 663. Concentrates on the interpretation of Rorschach records of children, adolescents, and adults. Major emphasis will be placed on integrating Rorschach data with the results of other psychological tests and clinical findings. *Test fee: \$50. Credit: 3 semester hours.*

671 Child and Adolescent Personality Assessment

Strategies for assessing child and adolescent personality will be explored. Emphasis will be placed on those objective and projective techniques currently utilized in the field. *Laboratory fee: \$10 per semester. Credit: 3 semester hours.*

695 Research Colloquium

Invited speakers, faculty members, and students from the department's graduate programs discuss their research. Registration/attendance required for all students. *No credit. No fee. Not included on students' transcript.*

696 Independent Research (Laboratory)

Prerequisites: PSY 608. Under the guidance of a faculty member, the student plans and executes an original piece of research of thesis quality. *Laboratory fee: \$60 per semester. Credit: 3 semester hours.*

698; 699 Clinic Practicum I; II

Level I course. Students gain supervised experience at the Center for Psychological Services in various clinical roles including diagnostic interviewing, case observation, and participation in weekly case conferences. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

701 Assessment and Intervention Practicum I

A continuation of practicum training at the Center for Psychological Services; students develop their clinical skills through receiving supervised training in techniques relating to psychodiagnostic evaluation and intervention. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

702 Assessment and Intervention Practicum II: Clinical Consultation

A continuation of practicum training at the Center for Psychological Services; students develop their clinical skills through receiving supervised training in techniques relating to psychodiagnostic evaluation and intervention. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

705 Assessment and Intervention Practicum III

A continuation of practicum training at the Center for Psychological Services; students develop their clinical skills through receiving supervised training in techniques relating to psychodiagnostic evaluation and intervention. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

706 Advanced Intervention Practicum I

A continuation of practicum training at the Center for Psychological Services; students develop their clinical skills through receiving supervised training in techniques relating to psychodiagnostic evaluation and intervention. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

711, 712 Practicum in School Psychology I, II

Prerequisites: PSY 661/662 or 661B/662B. A two-semester sequence for practice and development of assessment, consultation, intervention skills in school settings, supervised by certified school psychologists. Discussions on experiences and cases for consultation and feedback. *Credit: 3 semester hours.*

711B , 712B Practicum in School Psychology I, II–Bilingual

Prerequisites: 661B/662B. A two-semester sequence for practice and development of assessment, consultation, intervention skills in school settings, supervised by certified school psychologists. Discussions on experiences and cases for consultation and feedback. *Credit:* 3 semester hours.

715 Assessment, Diagnosis, and Remediation of Learning Disabilities

This course involves the systematic study of learning disorders of children; receptive, expressive, and psychological processing disorders of learning and assessment of diagnostic procedures. *Test fee:* \$50. *Credit:* 3 semester hours.

716 Psychoeducational Consultation

Prerequisite: PSY 661. This course addresses the procedures for conducting consultation with teachers and other school personnel in order to ameliorate problems affecting students' academic and social competencies. *Credit:* 3 semester hours.

717 Instructional Assessment and Academic Interventions

Students will learn to assess children's instructional environments and to monitor their academic progress. This assessment will be tied to instructional interventions in the context of the consultation role for school psychologists. *Credit:* 3 semester hours.

722 Social Bases of Behavior

The social influence on human behavior and how individual differences moderate that influence; social cognition; group processes; person by situation interactions. *Credit:* 3 semester hours.

725 Advanced Psychopathology: General

Prerequisite: PSY 724. Detailed consideration of selected areas of psychopathology, particularly theoretical models and empirical research in etiology, development, prevention, and treatment. *Credit:* 3 semester hours.

726 Psychopathology across the Life Span I

Lifespan perspective on psychological disorders including symptom presentation, etiologies, and outcomes. Focus on disorders that are prevalent in childhood and adolescence. *Credit:* 3 semester hours.

727 Psychopathology across the Life Span II

Focuses on understanding the major categories of psychiatric disorders from a biophysical perspective. Primary emphasis will be on disorders typically seen in adulthood, such as psychotic disorders, mood disorders, anxiety disorders, and substance abuse disorders. In addition to the symptoms and features of these disorders, the class will also focus on etiology and treatment. This course adopts a

lifespan developmental perspective; therefore, manifestations of these disorders in childhood will also be discussed. *Credit:* 3 semester hours.

729 Psycholinguistics and the Practice of School Psychology with Culturally and Linguistically Diverse Populations

This course provides students with an understanding of normal language development, second language acquisition, and the problems of delivering school psychological services to bilingual children. *Credit:* 3 semester hours.

737 Hypnosis Biofeedback Workshop

Intensive workshop combining the theoretical conceptualizations of hypnosis and biofeedback with empirical exploration. The course is oriented towards the goals of the scientist practitioner. *Credit:* 3 semester hours.

741 (Fall); 742 (Spring) Assessment and Intervention Practicum IV; V

A two-semester practicum sequence emphasizing psychodiagnostic testing, evaluation, and treatment in clinical settings and supervised professional experience in intervention and psychotherapeutic techniques. *Test fee:* \$30. *Credit:* 3 semester hours per course.

744 Assessment Methods for Students with Autism Spectrum Disorders

This course examines assessment tools and strategies for use with individuals on the Autism Spectrum. Students will explore formal and informal assessment procedures used with students who manifest learning characteristics of students with Autism. Cf. with EDU 9725. *Credit:* 3 semester hours.

745 Applied Behavior Analysis

This course presents the student with an introduction to the basic principles of Applied Behavior Analysis (ABA), learning theory, and the fundamental principles of behavior. The course will also provide an introduction to the process of measuring and recording behavior. Cf. with EDU 9719. *Credit:* 3 semester hours.

746 Single Case Design in Autism Spectrum Disorder

This course presents an overview of single-case design and applied research design by exploring their characteristics, strengths, and limitations. Cf. with EDU 9750. *Credit:* 3 semester hours.

749 Behavior Therapy: Assessment, Treatment and Consultation

This course is aimed at providing a theoretical and practical understanding of the behavioral orientation to psychological assessment and intervention with school-aged children and adolescents in school settings. *Credit:* 3 semester hours.

751 Interventions with Developmental Disabilities

Prerequisites: PSY 749/750. Students will learn the procedures of applied behavior analysis, and use these principles to develop teaching and intervention strategies for children with autism and related developmental disorders. *Credit:* 3 semester hours.

752 School Psychology Internship Seminar I: Professional Issues

Prerequisites: PSY 711, 712. Students are assigned to a public school or agency providing services for children and function under the supervision of a certified school psychologist. *Credit:* 3 semester hours.

752B School Psychology Internship Seminar I: Professional Issues–Bilingual

Prerequisites: PSY 711B, 712B. Classroom presentations focus on recent advances in the assessment and intervention strategies of working with linguistically diverse children. *Laboratory fee:* \$30 per semester. *Credit:* 3 semester hours.

753 School Psychology Internship Seminar II: Psychological Interventions

Prerequisite: PSY 752. Students are assigned to a public or private school providing psychological services to children and adolescents for five full days. Presentations will focus on New York State Child Abuse reporting law, models of service delivery in school psychology, and crisis intervention. *Credit:* 3 semester hours.

754 School Psychology Internship Seminar III: Advanced Clinical Intervention and Mental Health Support

Prerequisites: Completion of master's degree and Certification in School Psychology. Classroom instruction focuses on issues, methods, and procedures for conducting comprehensive, systematic nondiscriminatory assessment of culturally and linguistically diverse students. Students are assigned to a public or private school or agency providing psychological services to exceptional children and/or adolescents for a minimum of three full days. *Credit:* 3 semester hours.

755 School Psychology Seminar IV: Psychological Interventions and Field Placement

Prerequisite: PSY 754 or equivalent. This course includes an in-depth review of the latest research and theory in psychological interventions. Students spend three days per week in a school for exceptional children or an organization servicing exceptional children. *Credit:* 3 semester hours.

756; 757 Evidence-based Interventions I; II

A two-semester sequence that addresses the theoretical and empirical bases for evidence-based therapies. In addition, students will learn implementation strategies for interventions discussed. *Credit:* 3 semester hours.

759 Psychometrics

Prerequisites: PSY 608, 614. An overview of the critical aspects of psychometric theory, including test construction, item analysis, reliability, validity, and item response theory. *Credit: 3 semester hours.*

760 Marital and Family Therapy

The family is viewed as an interacting social system and approaches to understanding and changing problem behavior are discussed from a systems perspective. *Credit: 3 semester hours.*

761; 762 Psychological Assessment Practicum I; II

Prerequisites: PSY 661, 662(B), 671. Students will be required to participate in psychological assessments at the Center for Psychological Services and in the schools to which it provides services. There are special sections (PSY 761B, 762B) for students in the bilingual track of the M.S. and Psy.D. programs. *Laboratory fee: \$100 per semester. Credit: 3 semester hours.*

761B (Fall); 762B (Spring) Psychological Assessment Practicum I; II

Prerequisites: PSY 661, 662(B), 671. Students will participate in psychological assessments at the Center for Psychological Services and in schools to which the center provides services. For M.S. and Psy.D. students in the bilingual track. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

772 School Neuropsychological Assessment

Students will learn the principles of school neuropsychological assessment and how to administer, score, and interpret several contemporary neuropsychological tests. *Credit: 3 semester hours.*

773; 774 School Neuropsychological Assessment I; II

In these two consecutive practicum experiences, students conduct comprehensive assessments, develop case formulations and recommendations for interventions, prepare written reports, and provide feedback. *Credit: 3 semester hours.*

763; 764; 765 School Psychology Intervention Practicum I; II; III

Prerequisite: PSY 753, equivalent, or permission of the Program Director. These courses represent a two-semester sequence of practica experiences. Students will plan and deliver psychological interventions to children, adolescents, parents, teachers, and professional staff. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

810 Advanced Research Seminar in Selected Topics

An advanced seminar that reviews current research and theory of topics selected from clinical psychology, social/cultural psychology, and experimental psychology with each area taught by a different faculty member. *Credit: 3 semester hours.*

835 Neuropsychological Assessment

Conceptual problems regarding brain dysfunction; special symptoms and syndromes; neurodiagnostic approaches, emphasizing the Halstead-Reitan and Luria batteries; applications relevant to the clinician. *Test fee: \$100. Credit: 3 semester hours.*

836 Behavioral Neuropsychology

This course covers the theoretical bases, research methodology, and instrumentation necessary for experimentation in neuropsychology, emphasizing the chronometric and cognitive investigation of cerebral asymmetry. *Credit: 3 semester hours.*

838 Addictive Behaviors

This course presents theoretical foundations and applications in the treatment of addictive behaviors. Topics include: drugs of addiction; gambling; theories of addiction; and behavioral and psychotherapeutic treatments. *Credit: 3 semester hours.*

841 Advanced Intervention Practicum II

A continuation of practicum training at the Center for Psychological Services; students develop their clinical skills through receiving supervised training in techniques relating to psychodiagnostic evaluation and intervention. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

842 Advanced Intervention Practicum III: Clinical Supervision

A continuation of practicum training at the Center for Psychological Services; students develop their clinical skills through receiving supervised training in techniques relating to psychodiagnostic evaluation and intervention. *Laboratory fee: \$30 per semester. Credit: 3 semester hours.*

843 Child and Adolescent Psychotherapy

Major models of child and adolescent psychotherapy will be presented, including traditional approaches, short-term therapies, and empirically validated treatment methods. *Credit: 3 semester hours.*

844 Behavioral Parent Interventions: Science and Practice

Prerequisites: PSY 749 and enrollment in a doctoral program in psychology. This course will review theory and research on parent-focused behavioral intervention efforts intended to treat children's externalizing disorders and behavior problems. *Credit: 3 semester hours.*

845 Group Therapy

An exploration of the process of group therapy, including the composition of various group settings; the role of the leader; the beginning, middle, and termination stages of the group; and various techniques utilized by group therapists. *Credit: 3 semester hours.*

846; 847 Practicum in School Neuropsychological Assessment I; II

In these two consecutive practicum experiences, students conduct comprehensive assessments, develop case formulations and recommendations for interventions, prepare written reports, and provide feedback. *Credit: 3 semester hours.*

850 Cognitive Psychotherapies

Prerequisite: PSY 749/750. This course explores the growing area of Cognitive and cognitive/behavioral psychotherapies by Beck, and Ellis, as well as self instructional training, cognitive interpersonal problem solving therapy, and multimodal therapy. *Credit: 3 semester hours.*

861 Psychopharmacology

Prerequisites: PSY 648, 724. A study of psychopharmacological agents in the treatment of behavioral disorders of children and adults. *Credit: 3 semester hours.*

862 Independent Study

Library research and/or experimental research under the guidance of a faculty member. *Permission of the chair required. Fee: \$60 if in experimental research study. Credit: 3 semester hours.*

903; 904 Clinical Psychology Internship I; II

Prerequisites: Successful completion of all coursework in the program, approval of dissertation proposal, and successful completion of comprehensive examination. One year full-time internship in an approved setting. For doctoral students in Clinical Psychology only. *Fee: \$100 plus general fee per semester. Credit: 1 semester hours.*

905; 906 School Psychology Internship I; II

Prerequisite: Successful completion of all coursework in the program. One year full-time internship in a setting approved by the program. For doctoral students in School Psychology. *Fee: \$100 plus general fee per semester. Credit: 1 semester hours.*

908 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the requirements for the Master of Arts degree. *Credit: 3 semester hours.*

925 General-Experimental Maintaining Matriculation

Master's students in General-Experimental Psychology not registered for other courses must register for 925 until all degree requirements are completed and the degree is granted. *Fee: \$100 per semester. No credit.*

940 Clinical Psychology Maintaining Matriculation

Ph.D. students who have not passed the comprehensive exam and have not registered for other courses, must register for PSY 940. *Permission of the dean required. Fee: \$100 per semester. No Credit.*

950 Doctoral Research

Original research leading to the doctoral degree. Beginning in the spring semester of year 4, students must register for 950 in each fall and spring semester until the dissertation is completed and the degree awarded. *Credit: 3 hours per semester, except when students are on internship and enrolled in 903/904, when it is 0 semester hours.*

951 Doctoral Research–School Psychology

Original research leading to the doctoral degree. Doctoral candidates must register for this course in the spring semester of their fourth year. Once enrolled in this course students must remain continuously enrolled in it until they graduate. *Credit: 3 semester hours, except for the first time the student enrolls in the course, when it carries 1 semester hour, or when students are on internship and enrolled in PSY 905/906, when the course carries 0 semester hours.*

960 School Psychology Maintaining Matriculation

Students in School Psychology not registered for other courses must register for 960 until all degree requirements are completed and the degree is granted. *Fee: \$100 per semester. No credit. Offered each semester.*

997 Introduction to Clinical Psychology

To be taken during the first year of the Ph.D. Clinical Psychology program. *No credit.*

998 Clinical Supervision Practicum

A supervised practicum for students in the Ph.D. Clinical Psychology program. *No credit.*

999 Extended Clinical Practicum Experience

An extended practicum experience for doctoral students. *No credit.*

105 Comprehensive Examination

This exam tests the student's knowledge in their field. *No credit.*

105D Doctoral Comprehensive Examination

Psy.D. students register for this placeholder section in their fourth year of study. *No credit.*

105T M.A. Thesis Submission

Students in the M.A. Psychology program who are completing a thesis should register for this section during the semester in which they will submit the thesis. *No credit.*

105P Doctoral Dissertation Defense

Doctoral students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

For a complete listing of approved courses, please contact the Dean's Office.

Affiliate Clinical Professors of Psychology

ADSP Program

Alec Miller, Psy.D.

AHRC

Margery St. Hilair, Ph.D.

Nicholas Rose, Ph.D.

Albert Einstein College of Medicine

Susan Chintz, Psy.D.

Albert Ellis Institute

Kristene Doyle, Ph.D.

American Institute for Cognitive Therapy

Robert Leahy, Ph.D.

Ardley School District

Jeffrey Cohen, Ph.D.

Mary Travis, Ph.D.

Connie Gutwirth, Ph.D.

Baldwin Council Against Drug Abuse

Claudia Rotondo

Baldwin School District

Joseph Teta, Ph.D.

Bay Shore School District

Toni Klingler, Ph.D.

Bayort-Blue Point School District

Matthew Krivoshey, Ph.D.

Bellevue Hospital Center

Carol Golden-Scaduto, Pys.D.

Carmen Vasquez, Ph.D.

Bellmore-Merrick Central

High School District

John Brull, M.S.

Amy Rubino, Ph.D.

Ben Weiss, Ph.D.

Bernard Fineson Developmental Center

Mary Kennedy, Ph.D.

Beth Israel Medical Center

Elizabeth Ochoa, Ph.D.

Bio-Behavioral Institute

Fugen Neziroglu, Ph.D.

Bronx Children's Psychiatric Center

Elizabeth Seiger, Ph.D.

Susan Babinski, Ph.D.

Kathleen O'Shea, Ph.D.

Nicole Garcia, Ph.D.

Rebecca Hansen, Psy.D.

Mark Adelsberg, Ph.D.

William Ansoerge, Ph.D.

Bronx VA Medical Center

Stephen Bacon, Ph.D.

Brookdale University Hospital & Medical Center

John James, Ph.D.

Steven Klee, Ph.D.

Brooklyn VA Hospital

Gail Kelsey, Ph.D.

Central Islip School District

Dan Sanvitale, Ph.D.

Children's Center for Early Learning

Alan Weneroff, Ph.D.

Coler/Goldwater Memorial Hospital

Patricia Bagby, Ph.D.

Christopher Frima, Ph.D.

Jim Crawford, Ph.D.

Tom Gambacorta, Ph.D.

Commack School District

Wilma Colino, Ph.D.

John Kelly, Ph.D.

Connetquot Central School District of Islip

Eleanor Palma, Ph.D.

Creedmoor Psychiatric Center

Constance Freeman, Ph.D.

Sascha Griffing, Ph.D.

Russell Hoffman, Psy.D.

Andrea Katz, Ph.D.

Jack Livingstone, Ph.D.

Dolores Nichole, Ph.D.

Crossroads School for Child Development

Paula Calabrese, Ph.D.

East Meadow School District

Jennifer Mascolo, Psy.D.

Roseann Gotterbarn, Ph.D.

Fotini Kyvelos, Psy.D.

Margaret Laska, Ph.D.

Joseph Pando, Ph.D.

Eastern Suffolk BOCES-Premm Learning Center

Robert Meyer, Ph.D.

Elmhurst Hospital/Mount Sinai Services

Andia Harris, Ph.D.

Harvey Shanies, Ph.D.

Elwood School District

Anthony Pantaleno, Ph.D.

Farmingdale School District

William Sperduto, Ph.D.

Helen Stevens, Ph.D.

Joseph Volpe, Ph.D.

Fort Hamilton Clinic

Phillip Morse, Ph.D.

Franklin Square School District

Christopher Schnepf, Ph.D.

Garden City Park School District

Maria Petallides

Glen Cove School District

Rod Mardin, Ph.D.

Penelope Patsis, Ph.D.

Great Neck School District

Amy Goldin, Ph.D.

Thomas Giannotti, Ph.D.

Patricia Goodman

Jack Kamins, Ph.D.

Hackensack University Hospital

Risa Fogel, Ph.D.

Half Hollow Hills Central School District

William Sefick, Ph.D.

John Siefring, Ph.D.

Hampton Bays School District

Ken Grille, Ph.D.

Harborfields Central School District

Joseph Dono, Ph.D.
Brian Harris, Psy.D.

Harriet Eisman Community School

Elizabeth Shorin, Ph.D.

Hawthorne Cedar Knolls Union Free School District

Katherine Reitzes, Ph.D.

Hebrew Academy for Special Children

Jill Karliner, Ph.D.

Helen Keller Services for the Blind

Ann Rosenberg, Ph.D.

Henry Viscardi School

Ron Friedman, Ph.D.

Herricks School District

Allison Jeffer, Ph.D.
Mary Kalisky, Ph.D.
Donna Lipton, Ph.D.
Roger Pierangelo, Ph.D.
Sgeven Shatz, Ph.D.
Carl Weiner, Ph.D.

Hewlett School District

Marc Krauss, Ph.D.

Hewlett-Woodmere School District

Allan J. Orenstein, Ph.D.
Lynne Einberg, Ph.D.

Hicksville School District

David Ferrin, Ph.D.

High Road School

Maryn Katherine Hawryluk, Ph.D.

Holliswood Hospital

Mark Lazarus, Ph.D.

Huntington School District

Jamie Joseph, Ph.D.

Institute for Rational Counseling

Richard Dackow, Ph.D.

Jamaica Hospital

Nadine Khowry, Psy.D.
Sue Carver, Ph.D.
Frances Charder, Ph.D.

KTA/HAFTR

Ditza Berger, Ph.D.

Kings Country Hospital Center

Cheryl Blondstein, Psy.D.
Mendie Cohn, Ph.D.
Marilyn Feldman, Ph.D.

Kings Park School District

Linda Chianese, Ph.D.
Sharon Donenfeld, Ph.D.
James Lynch, Ph.D.
Lorraine Schles-Esposito, Ph.D.

Lawrence Public Schools

Jay Silverstein, Ph.D.

Leak & Watts Children's Home

Francis Egan, Ph.D.
Katherine Morrison, Ph.D.

Long Beach School District

Edward Frankel, Ph.D.
Dennis Ryan, Ph.D.
Fred Zelinger, Ph.D.
Long Beach Reach, Inc.

LIJ/Hillside Geriatric Center

Amanda O'Brian, Ph.D.
Rita Ryan, Ph.D.
Greg Hinrichsen, Ph.D.

LIJ/Hillside Medical Center

Eliho Turkel, Ph.D.

LIJ/Schneider Children's Hospital

Jonathon Samuels, Psy.D.

LIJ/Schneider's Children's Hospital; Adolescent Pavillion

Dina Sackman, Ph.D.
Stefanie Solow, Ph.D.

LIJ/Zucker Hillside Hospital

Peter D'Amico, Ph.D.
Aaron Drucker, Ph.D.
Seanna Kaye-Denham, Ph.D.
Barbara Libov, Ph.D.
Julia Markó, Ph.D.
Rona Novick, Ph.D.
Adam Payne, Ph.D.
Jennifer Ratas, Ph.D.
Heather Smith, Ph.D.
Robert Tringone, Ph.D.

Lutheran Medical Center

Jean Bailey, Ph.D.

Martin De Porres School

Paul Fantetti, NCSP
Edward Dana

Massapequa School District

James Levering, Ph.D.

MercyFirst

Daniel Coletti, Ph.D.
Ann Kuru, Ph.D.
Samuel Landsman, Ph.D.
Stephen Migden, Ph.D.

Merrick-Bellmore School District

John Brull, M.S.

Milestone School for Child Development

Lena Perez-Nieves, Psy.D.

Mineola School District

Manny Romero, Ph.D.
Robert Drago, Ph.D.
Joan Reilly, Ph.D.
Roberta Manfredo, Ph.D.

Montefiore Medical Center

Gabrielle Johr, Psy.D.

Mt. Sinai Medical Center

Bonnie Arnowitz, Ph.D.
Karen Dahlmana, Ph.D.
Edward Greenblatt, Ph.D.
Annette Hernandez, Ph.D.

Mt. Sinai/NYU Medical Center

Eric Brown, Ph.D.

Nassau BOCES-Pace Program

Maria Heim, Ph.D.

Nassau County Medical Center

Albert Fauros, Ph.D.
William Kline, Ph.D.
David Waxman, Ph.D.

Nassau University Medical Center

Laura Lamontanaro, Ph.D.
David Waxman, Ph.D.

National Institute for the Psychotherapies

Jillian Axelrod, Ph.D.

New Hyde Park School District

Joseph Shaffrey, Ph.D.

New York City Board of Education

David Drassner, Ph.D.
Lorna Rhone, Ph.D.

New York Presbyterian Hospital

Robert Feiguine, Ph.D.

New York Presbyterian Hospital-White Plains Child Day Hospital

Leslie Bogen, Ph.D.
John Clarkin, Ph.D.
Barbara Flye, Ph.D.

North Colonie Central Schools

Charles D. Horowitz, Ph.D.

North Merrick School District

Lynne Thies, Ph.D.

North Shore Central School District

Peter Segal, Ph.D.

North Shore School District

Michael Linder, Ph.D.
William Kitay, Ph.D.

North Shore University Hospital

Laurie Kramer, Ph.D.
David Pelcovitz, Ph.D.
Marie Ribarich, Ph.D.
Julliet Vogel, Ph.D.

North Shore University Hospital Child and Adolescent Department

Julliet Vogel, Ph.D.

Northport Veteran's Affairs Medical Center

Janet Eshen, Ph.D.

Oceanside School District

Michael Cohen, Ph.D.
Bill Walsh
Ann Melucci
Laurie Zelinger, Ph.D.
Mark Metzger, Ph.D.

Patchogue-Medford School District

Richard Catullo, Ph.D.
Faith Barrentine, Ph.D.

Pederson-Krag Center

Max Banilivy, Ph.D.

Port Chester-Rye School District

Antonio Blanco, Ph.D.

Queens Child Guidance Center-Asian Outreach Clinic

Florence Marks, Ph.D.

Queens Children's Psychiatric Center

Dora Gutierrez, Psy.D.
Gayle Kass, Ph.D.
Jonathan Kurfirst, Ph.D.
Andrea Muras, Ph.D.
Jennifer Tucker, Ph.D.
Marion Rosenbaum, Ph.D.

Queens Hospital Center

Ellen Palgi, Ph.D.
Oily Sofer, Psy.D.
Robyn Mendelsohn, Ph.D.
William Walker, Ph.D.
Glena Rubin, Ph.D.

Riverdale Mental Health Association

Robert Muller, Ph.D.

Sachem Central School District

Gail Borruso, Ph.D.
James Zaino, Ph.D.
Steven Hartman, Ph.D.

Sagamore Children's Psychiatric Center

Lawrence Haller, Ph.D.
Randy Malsky, Ph.D.
Geraldine Moretti, Ph.D.

St. John's University Counseling Center

W.D. Harmon, Ph.D.

St. Luke's Roosevelt

Joseph Ruggiero, Ph.D.
Andrew Merling, Ph.D.

St. Luke's Women's Health Project

Lisa Litt, Ph.D.

St. Mary's Hospital for Children-Queens

Paul Berger-Gross, Ph.D.
Daniel Clarkin, Ph.D.
Daniel Coletti, Ph.D.

Scarsdale School District

Audrey Clarkin, Ph.D.
Ernest Collabolletta, Psy.D.
Jennifer Walker, M.S.E.D

Sesame Sprout Inc.

Janet Mueller, Psy.D.

Sewanhaka High School District

John Heverin, Ph.D.
Stephen Russo, Ph.D.
Isonia Vassos, Ph.D.

Shoreham-Wading River School District

Peter D'Elena, Psy.D.

Smithtown Central School District

Theresa Campisi, Ph.D.
Brenda Clark, Ph.D.
Joanne Corrado, Ph.D.
Darcie Cortese, M.S.

South Beach Psychiatric Center Day Treatment for Adolescents

Conrado Gomez, Ph.D.

South Nassau Communities Hospital Counseling Center

Rosemary O'Regan, Ph.D.

Staten Island Mental Health Society

David Laucick, Ph.D.

SUNY Downstate Medical Center Anxiety Disorders Clinic

Daniel Cukor, Ph.D.
Steven Friedman, Ph.D.

The School at Columbia University

Diane H. Dillon, Ph.D.

Three Village School District

Karen Futersak, Ph.D.
Joseph Piombo, Ph.D.

Valley Stream School District

Mark Perlman, Ph.D.
Mark Peterson, Ph.D.
Jay Comcowich, Ph.D.

Valley Stream School District 13

Mindy Berlin-Dickman
Karen Jason, Ph.D.
Cheryl Mendelsohn, Ph.D.
Gaston Weisz, Ph.D.

Valley Stream School District 24

Patrick Grehan, Ph.D.

West Islip School District

James Ciaravino, Ph.D.
Robert Matuoizzi, Ph.D.

Westchester Family Services

Rebecca Abramson, Ph.D.

Westchester Institute for Human Development

Michelle Heller, Ph.D.

Westchester School for Special Children

Vito Guarnaccia, Ph.D.

Western Queens Developmental Schools

Robert Musphy, Ph.D.

Western Suffolk BOCES

Paul Morris, Ph.D.

White Plains School District

Daniel Benincasa, Ph.D.
Kelly Ishmael, Ph.D.
Maritza Kerekas, Ph.D.

Wyandanch School District

Roberta Hoffman, Ph.D.

Yeshiva Hor Torah

Karen Feinberg, Ph.D.

Scientific Literacy and Integrity (SLI)

Programs of Study

Master of Arts (M.A.) in Scientific Literacy and Integrity

The M.A. in Scientific Literacy and Integrity at St. John's prepares professionals with the ability to analyze and articulate clearly what is while also developing the ethical and aesthetic values to imagine and help realize what might be.

This 30-credit interdisciplinary master's program provides students with undergraduate preparation in the natural and social sciences the opportunity to develop leadership skills and acquire communication, analytical, and reasoning skills to address the current challenges of scientific research.

The program's multidisciplinary approach and access to research opportunities fills a novel niche of market demand for technical writers, medical scientists, and health care coordinators who will play vital roles in scientific policy and publishing.

Entrance Requirements

The M.A. in Scientific Literacy and Integrity welcomes applicants with undergraduate preparation in the natural and social sciences. In addition to the general requirements for admission to graduate study in St. John's College of Liberal Arts and Sciences, applicants must present a cumulative undergraduate GPA of 3.0, two letters of recommendation, and a personal statement indicating why Scientific Literacy and Integrity is their program of choice. No Graduate Record Examination (GRE) scores are required.

Program Requirements

The M.A. in Scientific Literacy and Integrity requires 30 credits of graduate coursework selected in consultation with a faculty advisor and the completion of either a thesis or capstone project.

Thesis Option

Required

BIO 249	Communication Skills in the Life Sciences	3 credits
BIO 299	Scientific Literacy & Integrity	3 credits
PAS 265	Scientific Inquiry: Regulation and Ethical Challenges	3 credits
SLI 100	Bioethics	3 credits
THE 524	Theological Bioethics	3 credits

Electives

(Choose Three of the Following)

BIO 708	Special Topics in Biology Research	3 credits
ENG 130	Theories of Literacy	3 credits
HIS 705	Seminar in Technology and Science	3 credits
MKT 600	Decisions in Marketing and Management	3 credits
MKT 630	Marketing of Services	3 credits
MPH 310	Health Disparities	3 credits
PSY 810	Advanced Seminar in Selected Topics	3 credit
SLI 101	Philosophy of Science	3 credits
SLI 350	Internship	3 credits

Thesis

SLI 900	Master's Thesis Research	6 credits
SLI 105T	Master's Thesis Defense	0 credits

Non-Thesis Option

Required

BIO 249	Communication Skills in the Life Sciences	3 credits
BIO 299	Scientific Literacy & Integrity	3 credits
PAS 265	Scientific Inquiry: Regulation and Ethical Challenges	3 credits
SLI 100	Bioethics	3 credits
THE 524	Theological Bioethics	3 credits

Electives

(Choose Four of the Following)

BIO 708	Special Topics in Biology Research	3 credits
ENG 130	Theories of Literacy	3 credits
HIS 705	Seminar in Technology and Science	3 credits
MKT 600	Decisions in Marketing and Management	3 credits
MKT 630	Marketing of Services	3 credits
MPH 310	Health Disparities	3 credits
PSY 810	Advanced Seminar in Selected Topics	3 credit
SLI 101	Philosophy of Science	3 credits
SLI 350	Internship	3 credits
Capstone		
SLI 352	Capstone Seminar	6 credits

Courses

100 Bioethics

Examination and application of major ethical theories to longstanding and emergent moral challenges in the biomedical sciences. Evaluation of cases with a view to moving beyond mere moral judgments to the development of morally sound courses of action. *Credit: 3 semester hours.*

101 Philosophy of Science

The logic and methodology of science with a special emphasis on the nature and structure of scientific theories, the verification/falsification of the laws and theories, and the historical development of science. *Credit: 3 semester hours.*

350 Internship

Students may elect an internship to gain professional experience in the field. *Credit: 3 semester hours.*

352 Capstone Seminar

Students electing the capstone as a culminating assessment will conceive of a discrete project and see it through to its conclusion. *Credit: 3 semester hours.*

900 Master's Thesis Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirement for students electing the thesis option. Students completing a thesis must register for 3-6 credits of master's research. *Credit: 3 semester hours per semester.*

105T Master's Thesis Defense

Master's students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

Department of Sociology and Anthropology (SOC)

The Department offers graduate training leading to an M.A. degree in Sociology or an M.A. degree in Criminology and Justice. The department's mission is to educate its graduate students about the social forces that influence human behavior. Our faculty members help students to develop the necessary skills in sociological research and analysis of inequality, organizations, and communities. These experiences lead to careers in criminal justice, healthcare, non-profits, and business, as well as provide exceptional preparation for further training at the doctoral level or in law school. The program offers the option to complete a concentration in either The Global City and Social Justice or Confronting Inequalities. It also offers a one-year hybrid applied option, allowing students to gain hands-on experience with learned concepts and skills, while increasing affordability.

Programs of Study

Master of Arts (M.A.) in Sociology

Entrance Requirements

Acceptance into all M.A. programs requires a minimum 18 undergraduate credits in sociology or a related social science. Deficiencies in these requirements must be corrected under departmental direction. International students who have not received a U.S. degree will be required to demonstrate evidence of English proficiency through a standardized English exam.

Program Requirements

Based on the expertise of our faculty and the professional needs of our students, our program offers four options to complete the M.A.:

Thesis Option

15-credit core
Nine credits of elective courses
Six credits of SOC 900 Master's Research

Non-Thesis Option – General

15-credit core
18 credits of elective courses
Comprehensive examination

Non-Thesis Option – The Global City and Social Justice

15-credit core
12 credits of elective courses within the concentration
Six credits of general elective courses
Comprehensive examination

Non-Thesis Option – Confronting Inequalities

15-credit core
12 credits of elective courses within the concentration
Six credits of general elective courses
Comprehensive examination

The 15-credit core consists of the following three-credit courses:

- SOC 127; 127L Statistics for Social Science (Pre-requisite for SOC 300)
- SOC 210 Sociological Theory: Classical
- SOC 212 Sociological Theory: Contemporary
- SOC 300 Social Research: Strategies and Tactics (Pre-requisite for SOC 301)
- SOC 301 Evaluation Research & Data Analysis

Elective courses that apply to The Global City and Social Justice concentration are:

- SOC 217 Gender in a Global Context
- SOC 222 Sociology of the Global City
- SOC 223 Urban Sociology
- SOC 224 Women and The City
- SOC 228 Sociology of Community
- SOC 234 Global Poverty
- SOC 235 Global Inequality
- SOC 244 Social Movements and Globalization
- SOC 260 Inequality and Oppression

Elective courses that apply to the Confronting Inequalities concentration are:

- CRM 133 Class, Race, and Criminal Justice
- CRM 234 Women and Crime
- SOC 115 Sociology of Gender
- SOC 120 Race and Ethnicity
- SOC 217 Gender in a Global Context
- SOC 218 Immigration and Inequality
- SOC 220 Social Construction of Race in the US
- SOC 234 Global Poverty
- SOC 235 Global Inequality
- SOC 236 Sociology of Poverty
- SOC 243 Social Movements and Social Change

- SOC 244 Social Movements and Globalization
- SOC 246 Political Sociology
- SOC 260 Inequality and Oppression

Other courses may be counted for each one of the concentrations with prior approval of the department chair. Students interested in the thesis option must obtain chair's approval.

Comprehensive Examination: The comprehensive examination asks non-thesis students to demonstrate their ability to integrate knowledge of sociological theory, methodology, literature, and empirical data. This examination may not be taken earlier than the last semester of coursework and no later than one year after completion of coursework (See "Comprehensive Examination").

Master of Arts (M.A.) in Criminology and Justice (CRM)

Entrance Requirements

Acceptance into the M.A. in Criminology and Justice program requires a minimum 18 undergraduate credits in sociology or a related social science. Deficiencies in these requirements must be corrected under departmental direction. International students who have not received a U.S. degree will be required to demonstrate evidence of English proficiency through a standardized English exam.

Program Requirements

Thesis (30 credits)

Designed for students who seek preparation for doctoral study in sociology or a related social science field.

Required Courses (three credits each):

- CRM 103 Pro-Seminar
- CRM 127; 127L Statistics for Social Science
- CRM 231 Evaluation of Criminal Justice Policies
- CRM 232 Criminological Theory
- CRM 300 Strategies and Tactics of Social Research

Electives: 9 remaining credits to be chosen from departmental offerings, in consultation with the student's advisor. Two courses may be taken in the practicum and field placement.

Thesis: The student will register for CRM 900 Master's Research for six credits under the direction of an assigned mentor and will write a thesis that will be examined by a committee of readers composed of the mentor and one other faculty member.

Non-Thesis (33 credits)

Designed for students who seek a broad preparation for employment in which sociological knowledge is required or particularly valuable. This option is also sufficient for entry into a Ph.D. program.

Required Courses (three credits each):

- CRM 103 Pro-Seminar
- CRM 127 Statistics for Social Science
- CRM 231 Evaluation of Criminal Justice Policies
- CRM 232 Criminological Theory
- CRM 300 Strategies and Tactics of Social Research

Electives: 18 remaining credits to be chosen from departmental offerings, in consultation with the student's advisor. Two courses may be taken in the practicum and field placement.

Comprehensive Examination: The comprehensive examination asks students to demonstrate their ability to integrate knowledge of sociology theory, methodology, literature, and empirical data. This examination may not be taken earlier than the last semester of coursework and no later than one year after completion of coursework. (See "Comprehensive Examination.")

B.A./M.A. in Sociology

B.A./M.A. in Sociology/Criminology and Justice

B.A./M.A. in Psychology/Criminology and Justice

The Department of Sociology and Anthropology offers three accelerated combined degree programs leading to the B.A. and M.A. degrees, typically within five years of full-time study: the B.A. and M.A. degrees in Sociology; the B.A. degree in Sociology and the M.A. degree in Criminology and Justice; and in conjunction with the Department of Psychology, the B.A. in Psychology and the M.A. in Criminology and Justice. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in the major at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. programs, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S./M.A. in Communication Arts/Sociology

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Communication Arts and the M.A. in

Sociology, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in the major at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S./M.A. in Criminal Justice/Sociology

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Criminal Justice and the M.A. in Sociology, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in the major at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S./M.A. in Journalism/Sociology

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Journalism and the M.A. in Sociology, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in the major at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

B.S./M.A. in Legal Studies/Sociology

The Lesley H. and William L. Collins College of Professional Studies and the Graduate Division of Arts and Sciences offer an accelerated combined degree program leading to the B.S. in Legal Studies and the M.A. in Sociology, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in the major at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.S. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.S./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Courses

103 CRM Pro-Seminar

This course introduces criminology as a discipline in the liberal arts. It focuses on the field's history and its key areas of study and introduces strategies for doing research and writing in criminology. *Credit: 3 semester hours.*

107 Social Deviance (Cf. EDU 6217)

Study of the causes and reactions to deviant behavior. Crime, drug abuse, mental illness, suicide, corporate and political malfeasance, and other forms of deviance are considered. *Credit: 3 semester hours.*

115 Sociology of Gender

A comparative study of gender relations from biological, historical, psychoanalytic, social constructionist, and feminist perspectives. *Credit: 3 semester hours.*

117 Family Violence

Biological and cultural foundation of interpersonal violence as it is expressed within the family. Marital violence, wife battering, child abuse, elderly abuse. Factors associated with the self-perpetuation of violence over generations. *Credit: 3 semester hours.*

119 Juvenile Delinquency

A study of social conditions under which the behavior legally termed "delinquency" develops, the agencies through which society deals with the problem and the theoretical and methodological approaches essential to understanding. *Credit: 3 semester hours.*

120 Race and Ethnicity

Minority groups in America as cultural and economic-political communities relate to the American heritage. Recent sociological, social psychological, and anthropological findings and theories of intergroup relations. *Credit: 3 semester hours.*

121 Sociology of the Family

Components of family structure and organization; family cycle and mate selection; factors contributing to family stability and disorganization; emerging forms of intimate lifestyles. *Credit: 3 semester hours.*

122 CRM Drugs and Society

This course focuses on alcoholism, drug abuse and addiction, pathological (compulsive) gambling, bulimia, and other addictions. *Credit: 3 semester hours.*

127 SOC and CRM Statistics for Social Sciences

Corequisite: SOC/CRM 127L. Descriptive and inferential statistics in sociology. *Credit: 3 semester hours.*

127L Statistics for Social Sciences Lab

Corequisite: SOC/CRM 127. No credit.

131 Sociology of Youth

Youth as a lengthy process of transition from childhood to adulthood; consequent phenomena of family conflict, long dependency, development of youth culture, mass media, rock to rap, education and delinquency. *Credit: 3 semester hours.*

133 CRM Class, Race and Criminal Justice

This course focuses on how race and social class determine who enters the criminal justice system and how criminal definitions are created and applied. *Credit: 3 semester hours.*

170 Social Psychology

Systematic examination of social variables and their influence on individual behavior, personality, and emotion. *Credit: 3 semester hours.*

200 Sociology of Latino/as in the U.S.

Impact of migration, immigration policies, politics and social movements on Latino/as, their families, gender, cultural identity, racial/ethnic relations, and experience in social institutions. *Credit: 3 semester hours.*

201 Economic Sociology

This course sociologically analyzes how markets, networks, and hierarchies coordinate economic behavior. It examines the economy's relationship to the state, inequality, technology, culture, and globalization. *Credit: 3 semester hours.*

207 Sociology of Work

The organization of work in modern society; stratification of the work force; structure of occupations; role of technology. *Credit: 3 semester hours.*

208 Cultural Studies

The sociological study of cultural forms of life in terms of both modernist and postmodernist

movements. These forms of culture include rock and roll, art, literature, rap, film, sports, the culture wars, the Internet, and television. *Credit: 3 semester hours.*

209 Human Trafficking Contemporary Slavery

This course focuses on the phenomenon of trafficking of persons (contemporary slavery) from a sociological perspective by understanding the historical, economic, political, institutional, legal, and social characteristics of the problem, and the international and domestic policies and programs available to prevent it and assist its survivors. *Credit: 3 semester hours.*

210 Sociological Theory: Classical

Theories of 19th- and early 20th-century sociologists dealing with the problems of the transformation of societies from traditional to modern. *Credit: 3 semester hours.*

212 Sociological Theory: Contemporary

Analysis of various sociological discourses, including the structural-functional, critical, exchange, interpretive-symbolic, and phenomenological. *Credit: 3 semester hours.*

214 CRM Restorative Justice: Principles and Practices

Examines philosophies, traditions, and contemporary practices of restorative justice. Analyzes possibilities and problems of applying restorative justice to specific harms. *Credit: 3 semester hours.*

215 CRM Policing and Society

This course offers a sociological examination of law enforcement in the United States. It reviews the historical development of policing, discusses the various roles of police in society, and examines some of the problems police confront. *Credits: 3 semester hours.*

216 CRM White Collar Crime

The study of white collar crime as an extensive institutional phenomena of modern society. *Credit: 3 semester hours.*

217 CRM Situational Crime Prevention

This course introduces the concepts of geography or the spatial dimension of crime in the analysis of criminal events. The analysis focuses on: how potential criminals move about, where they regularly go, where they come from, and how their social and physical environments are constructed. *Credit: 3 semester hours.*

217 Gender in a Global Context

This course studies the sociology of gender from a global perspective; that is, by focusing on gender issues throughout the world as well as bringing in regional and cultural differences into the analysis. *Credit: 3 semester hours.*

218 Immigration and Inequality

This course focuses on immigration to the United States from a sociological perspective

by understanding its historical, political, legal, and social characteristics, and paying close attention to the relationship between birthright, naturalization, and immigration laws, citizenship, and social inequality along racial, ethnic, gender, and class lines. *Credit: 3 semester hours.*

219 CRM Punishment and Reform

A broad overview of the corrections system in the United States. Focus is on the growth in imprisonment rates and of the prison-industrial complex—and the effects on corrections personnel and inmates, their families, and communities. *Credits: 3 semester hours.*

220 CRM Organized Crime

This course examines definitions, forms, history, consequences, as well as theories of organized crime. The phenomenon of organized crime is located within the changing global economy. *Credit: 3 semester hours.*

220 Social Construction of Race in the United States

This course examines the historical and contemporary social processes that have been significant in the development of racial formations in the United States. *Credit: 3 semester hours.*

221 Sociology of News Media

This course examines the social processes involved in the production of news, including attention to the political economy of media, textual analysis, and audience studies. *Credit: 3 semester hours.*

221 CRM Cyber Crime

This course examines crimes committed in cyberspace. Forms of cyber crime, their consequences and the limits of the law in dealing with the phenomenon are discussed. *Credit: 3 semester hours.*

222 CRM Identity Theft

This course focuses on the crime of identity theft, the various forms it takes, the offenders and the impact these crimes have on victims. The implications for public policy and criminological theory are also discussed. *Credit: 3 semester hours.*

223 Urban Sociology

The interrelations among population, technology, environment and political economic structure in urban settings, the impact on social class structure, lifestyle, labor resources, consumer markets and housing. *Credit: 3 semester hours.*

223 CRM Comparative Criminology

This course applies a comparative perspective to issues of crime and justice in different countries and cultures. Varying concepts and patterns of crime, punishment, and justice are contrasted to those found in the U.S. *Credit: 3 semester hours.*

224 Women and the City

Examines the informal and formal activism of women in neighborhoods, community organizations and cities. Sociological theories on urban life and recent research which investigate women are explored. *Credit: 3 semester hours.*

224 CRM Life Course Criminology

This course examines crime and deviance within a human development and life course framework analyzing onset, stability, change, and desistance of criminal behavior across developmental stages of life. *Credit: 3 semester hours.*

228 Sociology of Community

This course will focus on community processes of cohesion, conflict, and change. Race, ethnic, religious, and gender relations are analyzed. Power and community organization are also examined. *Credit: 3 semester hours.*

229 CRM Victimology

An examination of the risks and consequences of crime for its victims. Issues considered include victim-offender relationships, typologies and characteristics of victims, the nature of the injuries they experience, and criminal justice procedures that involve victims. It offers a critical analysis of theory, methodology, empirical scholarship, and best practices surrounding victimology. *Credit: 3 semester hours.*

231 CRM Evaluating Criminal Justice Policies

This course examines the methods, techniques and measures for evaluating criminal justice agencies and policies. *Credit: 3 semester hours.*

232 CRM Criminological Theory

This course introduces students to theories of crime with a focus on sociological theories. Biological, psychological, and economic theories are also discussed. *Credit: 3 semester hours.*

233 CRM Environmental Crime and Justice

Foundations of global environmental justice. The investigation and prosecution of environmental crime emphasizing the use of forensic science and GIS for uncovering environmental racism and injustices in the U.S. and abroad. *Credit: 3 semester hours.*

234 Global Poverty

An examination of the daily lives of poor people throughout the world in their social context. This course will look critically at the failures of global policies to substantially change the conditions of the world's poor and the conditions that would have to be changed if poverty is to be ended. *Credit: 3 semester hours.*

234 CRM Women and Crim

235 Global Inequality
Credit: 3 semester hours.

235 CRM Global Crime

Analysis of the global networks and technological, economic and cultural activities that sustain transnational criminal activities. The impact of transnational corruption and crime on social institutions will also be examined. *Credit: 3 semester hours.*

236 Sociology of Poverty

An examination of the everyday life of poor people in the US. Critical analysis of the development of social policy, social movements, and the conditions that would have to be changed if poverty is to be ended. *Credit: 3 semester hours.*

237 Critical Debates in the City

An in-depth investigation of selected, contemporary debates and issues facing cities, including extensive data collection and analysis by the students. *Credit: 3 semester hours.*

240 CRM Principles of Forensic Science

Criminalistics as the interface of natural and social sciences applied to criminal investigations. Methods of forensic science that optimize the recovery of physical evidence from a crime scene. *Credit: 3 semester hours.*

241 CRM Crime Mapping

Principles of crime mapping applied to policing, forensic investigation, and prosecution of crime. Emphasizes the use of GIS for spatial analyses of crime patterns. *Credit: 3 semester hours.*

246 Political Sociology

Examines how politics is influenced by changes in the positions of dominant and subordinate groups in society as theorized by Marx, Weber, Durkheim, and others. *Credit: 3 semester hours.*

243 Social Movements and Social Change

An examination of the diverse social and cultural movements that have and are currently transforming the world, including the globalization of the economy, nationalism, class struggle, feminism, postmodernism, and techno-science. *Credit: 3 semester hours.*

244 Social Movements and Globalization

An examination of the diverse social and cultural movements that have, and are currently transforming the world. This entails an understanding of the social structure of the modern world and of the agents seeking to transform that world. *Credit: 3 semester hours.*

245 GIS Applications for Global Development and Social Justice

Learn Geographic Information Systems (GIS) computer applications and data analyses as research tools for mapping and critically analyzing factors that assist in global development and the promotion of social justice. *Credit: 3 semester hours.*

246 CRM Law and Global Society

An examination of the relationship between law and society in a global context. Definitions, families, functions, and theories of law will be introduced. Pressing issues facing today's global society including law and social control, law and racial/ethnic inequality, dispute resolution, privacy and surveillance, etc. will be analyzed. *Credit: 3 semester hours.*

247 Global Education

Impact of neo-liberal policies of fiscal austerity, decentralization, and privatization on education within the United States and worldwide. *Credit: 3 semester hours.*

249 Sociology of Education

The impact of political, economic, family and religious institutions on educational policies, administrative procedures, and classroom instruction. *Credit: 3 semester hours.*

251 CRM Health and Corrections

Examination of the nexus between public health, incarceration, and justice. It investigates the implications of incarceration on public health, and that of specific health concerns on correctional practices and policies. *Credit: 3 semester hours.*

254 CRM Crime, Terrorism and Power

Examination of fundamental issues surrounding terrorism. The course teaches students to theoretically and empirically analyze terrorism on a global scale and to understand its cultural, sociopolitical and criminological roots. *Credit: 3 semester hours.*

260 Inequality and Oppression

Credit: 3 semester hours.

300 Social Research: Strategies and Tactics

Prerequisite: SOC 127 or at least a "B" in an undergraduate statistics course. Qualitative and quantitative data analysis in sociological research-design; observation and participatory techniques of data collection, sampling, and survey operations; questionnaire, interview, and scale construction. *Credit: 3 semester hours.*

301 Evaluation Research and Data Analysis

Prerequisite: SOC 300. This course will focus on the analysis of data collection through qualitative and quantitative research with a focus on the evaluation of existing programs *Credit: 3 semester hours.*

306 CRM Contemporary Issues in Criminology

This course is intended to focus on the latest developments in crime and justice. Possible topics might include: terrorism; international organized crime; illegal alien smuggling; money laundering; and health care fraud. *Credit: 3 semester hours.*

420 CRM Readings in Criminology: Selected Topics

Offers advanced graduate students opportunity for intensive guided study in a criminological

field not covered by graduate seminars with faculty guidance and feedback. Permission of the chair required. *Credit: 3 semester hours.*

420 SOC Readings in Sociology: Selected Topics

Offers advanced graduate students opportunity for intensive guided study in a sociological field not covered by graduate seminars with faculty guidance and feedback. Permission of the chair required. For Sociology majors only. *Credit: 3 semester hours.*

500 SOC and CRM Practicum in Applied Social Science

This course bridges the gap between academic knowledge and real world experience. Students will apply sociological or criminological perspectives to topics related to internships or work settings. *Credit: 3 semester hours.*

501 SOC and CRM Field Internship

Prerequisite: SOC/CRM 500. This course provides an opportunity to gain a working knowledge of sociological practice in a field setting and to apply sociological analysis to the field experience. Students will complete the research paper based on the proposal prepared in SOC/CRM 500. *Credit: 3 semester hours.*

502 SOC and CRM Work-Setting Research

Prerequisite: SOC/CRM 500. For students in current work settings that provide experience equivalent to a field placement (as described in SOC/CRM 501). Students complete the research paper based on the proposal prepared in SOC/CRM 500. *Credit: 3 semester hours.*

800 Colloquia

Current issues in sociology as well as other topics of current interest are presented by outside speakers or current student researchers. All students are required to attend. *No credit; no fee.*

Research Courses

900 SOC and CRM Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirements. *Credit: 3 semester hours.*

Maintaining Matriculation and Comprehensive Examination

105 Comprehensive Examination

This exam tests the student's knowledge in their field. *No credit.*

105T Master's Thesis Defense

Master's students should register for this placeholder section in the semester they will defend their thesis. *No credit.*

925 Maintaining Matriculation

Master's students not registered for other courses must register for 925 until all degree requirements are completed and the degree is granted. *No Credit. Fee: \$100 per semester.*

Courses Outside Department

With the permission of the department chair, a student may take up to six credits (two courses) in other departments or divisions of the University for degree credit. This option does not apply when transfer credit has been granted for courses taken at another university.

For a complete listing of approved courses, please contact the Dean's Office.

Department of Theology and Religious Studies (THE)

In keeping with the mission of St. John's University as Catholic, Vincentian, and metropolitan, the graduate program of the Department of Theology and Religious Studies examines the rich theological heritage of the Catholic faith in light of modern human experience and concerns, with due respect for the values of other sciences, other religions, and other cultures.

As such, our program provides a supportive and challenging environment of educational excellence flexible enough to serve those interested in pursuing further theological study, professional ministry, parish service, or their own personal enrichment.

To encourage such scholarly achievement, the Department offers the Father Richard Kugelman Scholarship to honor the memory of this eminent biblical theologian and former chair, particularly in his great love for biblical studies and concern for the poor. This award opens the study of theology, especially sacred scripture, to students who otherwise could not afford it.

Each semester, the department also offers several Graduate Assistantship positions to cover tuition costs. Interested students should contact the department chair for more information.

Programs of Study

Master of Arts (M.A.) in Theology

Entrance Requirements

Applicants for the M.A. in Theology and Religious Studies must have a bachelor's degree which includes 24 credits in theology, philosophy, or related subjects, and an overall "B" (3.0) average in their college studies. Any deficiencies in preparation may require supplementary coursework as a condition for admission, as determined by the department chair.

Program Requirements

Following a mandatory proseminar, students will consult with a faculty advisor to pursue 33 credits of coursework, chosen mainly from one of three

tracks: (1) Biblical Studies (includes Old Testament and New Testament literature and languages); (2) Historical/Theological Studies (includes Historical Theology, Systematic Theology, Moral Theology, Interfaith Studies, and Spirituality); (3) Pastoral Theology (includes Catechetical, Liturgical, and Pastoral Studies).

All students will take at least one introductory-level course or its equivalent in each track, five more courses in their chosen track of concentration, and three electives, maintaining a "B" (3.0) average.

On completing their studies, students will prepare a portfolio of academic writing, consisting of three major, final papers from their coursework, one of which must also be included in revised form, and a professional self-assessment of their scholarly development during their time in the program. Students will submit this academic portfolio to the department chair for reading and approval by two graduate theology faculty, one from the student's main track, and one from a different track.

Please note that students who pursue Biblical Studies must take a two-course sequence in either Biblical Hebrew (THE 111 and 112), or Biblical Greek (THE 121 and 122). The other tracks have no language requirement. Students who elect to write a master's thesis must take THE 900 as one of their elective courses, and substitute this thesis for their final academic portfolio.

Advanced Certificate in Theological Studies

This advanced certificate program offers students who have already earned a Master of Arts in Theology or a related field opportunities for extended, specialized graduate study. The program is an excellent choice for those who wish to update their theological knowledge while earning a new credential. It is also well-suited for teachers who wish to develop deeper understanding of a specific area of theology or for pastoral ministers who wish to enhance their professional pastoral competence through further graduate study.

To qualify for the Advanced Certificate in Theological Studies, you must have earned a Master of Arts degree in Theology, a Master of Theological Studies degree, a Master of Divinity, or an appropriate ecclesiastical degree with a 3.0 average or better. You will also need to meet the application requirements for Graduate Admission at St. John's.

Completion of the advanced certificate requires 18 credits beyond the master's degree. Students in the certificate program register for a required zero-credit proseminar course, which offers an orientation to graduate study and the resources available at St. John's for supporting research and student success.

You will complete a minimum of nine credits

in one of the following focus areas:

- Biblical Studies
- Historical and Theological Studies
- Pastoral Theology

The remaining nine credits are completed through elective courses.

All students must complete a portfolio as a culmination of graduate work in the certificate program.

B.A./M.A. in Theology

The Department of Theology and Religious Studies offers an accelerated combined degree program leading to both the B.A. and M.A. degrees, typically within five years of full-time study. Undergraduate students with a cumulative GPA of 3.0 or better and a minimum 3.0 GPA in at least 12 credits in theology at St. John's University are encouraged to apply. Students accepted into the program typically complete 12 graduate credits that apply toward both the B.A. and M.A. degrees. After completion of their baccalaureate degrees, students may complete the balance of graduate credits required for the master's degree. Please consult the University bulletins for additional requirements for the bachelor's and master's degrees.

For detailed information regarding the B.A./M.A. program, students should consult the Director of Graduate Studies and their undergraduate academic dean.

Courses

Track 1: Biblical Studies

General

120 Methods in Modern Biblical Interpretation

Practical and theoretical introduction to critical methods of exegesis used in contemporary Old and New Testament studies. Methods are discussed, illustrated, and used by students in analytic exercises on biblical passages. *Credit: 3 semester hours.*

280 Current Issues in Biblical Interpretation

Provides an overview of key moments in the history of biblical interpretation, and discusses present-day issues in biblical interpretation, including the authority of the Bible, the Bible in ecumenical and interfaith contexts, ecological approaches to the Bible, and the Bible in Africa, Asia, and Latin America. *Credit: 3 semester hours.*

Old Testament

111; 112 Biblical Hebrew I; II

An introduction to the phonology, morphology, and syntax of biblical Hebrew, including translation of selected passages from the Hebrew Bible. *Credit: 3 semester hours.*

160 Introduction to the Old Testament

A survey of the history and literature of Israel.

Problems of Old Testament interpretation are introduced, and the books of the Old Testament are related to their ancient Near Eastern context. *Credit: 3 semester hours.*

240 The Pentateuch

Surveys critical approaches to the books of the Pentateuch-Hexateuch, introducing the literary sources which comprise the first books of the Old Testament, from Genesis to the Former Prophets. *Credit: 3 semester hours.*

241 Prophetism in Israel

Survey of critical approaches toward the prophetic books of the Hebrew Old Testament canon. Included are a discussion of prophecy in its ancient Near Eastern setting, and an introduction to the message of Israel's "classical" prophets. *Credit: 3 semester hours.*

242 The Wisdom Literature

Examines critical approaches toward "wisdom" in ancient Israel and Judaism, including discussion of ancient Near Eastern "wisdom," introducing the Wisdom writings from the Greek Old Testament, with special attention to the Psalms. *Credit: 3 semester hours.*

243 Apocalyptic Writings of the Second Temple Period

An introduction to apocalyptic thinking in exilic and post-exilic Jewish writing, and its impact on early Christianity. *Credit: 3 semester hours.*

New Testament

121; 122 New Testament Greek I; II

Introduces the student to parts of speech and vocabulary useful for beginning readers of the Greek New Testament. *Credit: 3 semester hours.*

161 Current Issues in the New Testament

Surveys the New Testament in its historical, cultural, and religious context within the Greco-Roman world. *Credit: 3 semester hours.*

270 The Synoptic Gospels and Modern Study

Explores the primary theological views and basic literary structures reflected in the Gospels of Matthew, Mark, and Luke, treating major scholarly theories about their mutual dependence and formulation. *Credit: 3 semester hours.*

271 The Lukan Writings

Examines the relationship between Luke and the Acts of the Apostles. Luke's sources, background, and main theological themes. *Credit: 3 semester hours.*

272 The Johannine Literature

Treats the formation of the Fourth Gospel and the other Johannine writings, their structure and theology. *Credit: 3 semester hours.*

273 The Pauline Writings

A survey of Paul's career, his role in the rise of early Christianity, along with the influence

of his Jewish as well as Hellenistic cultural and religious roots on his "gospel." *Credit: 3 semester hours.*

281 The Parables of Jesus

Explores Jesus' use of illustrative stories and images, their interpretation and influence. *Credit: 3 semester hours.*

282 The Passion and Resurrection Narratives

Examines the narratives about Jesus' passion and resurrection in the canonical Gospels, exploring complementary themes in Jewish tradition, Paul, and other early Christian writings. *Credit: 3 semester hours.*

Track 2: Historical/Theological Studies

Historical Theology

200 Theology: The Liturgical Year and Liturgy of the Hours

(See Pastoral Theology)
Credit: 3 semester hours.

351 History of Christian Theology from the Reformations to 1900

Theology and history of the Christian churches and their relations to other religious and cultural traditions from 1500 to 1900. *Credit: 3 semester hours.*

355 The First Six Centuries of Christianity

This course introduces students to the theology and history of the Catholic Church from the origins of the Church until 600 CE. Students will examine eastern and western patristic theology by means of an interdisciplinary study of theology, philosophy, and history, using both primary and secondary sources. *Credit: 3 semester hours.*

357 Theology in the Middle Ages

Treats the theology and history of the Catholic Church during the Middle Ages (600–1500). This course examines medieval theology by means of interdisciplinary study of theology, philosophy, history, and literature, using both primary and secondary texts. *Credit: 3 semester hours.*

358 History of Twentieth-Century Christian Theology

Theology and history of the Christian Churches and their relations to other religious and cultural traditions from 1900 to the present. *Credit: 3 semester hours.*

Systematic Theology

150 Introduction to Liturgy

(See Pastoral Theology) *Credit: 3 semester hours.*

358 History of Twentieth-Century Christian Theology

(See Historical Studies) *Credit: 3 semester hours.*

401 The Mystery of God

Examines the knowledge of God through nature and grace, treating biblical perspectives, development of the doctrine of the Trinity, God as Creator, and contemporary challenges to theism. *Credit: 3 semester hours.*

402 Christology

A study of the person and work of Jesus Christ, his mission, death, and resurrection. Christological development in the New Testament and the early Church until the Council of Chalcedon, and views about Jesus through the centuries and in modern thought. *Credit: 3 semester hours.*

403 Theological Anthropology

Theological exploration into the meaning and goal of human existence as revealed in biblical revelation and as expressed through the centuries in central Christian doctrines. *Credit: 3 semester hours.*

404 Ecclesiology

The Church in the New Testament. Historical forms and basic structure of the Church. The Church and the Kingdom of God. The meaning of Christian eschatology. Ministries in the Church. *Credit: 3 semester hours.*

405 Introduction to Sacramental Theology

(See Pastoral Theology) *Credit: 3 semester hours.*

406 The Eucharist

(See Pastoral Theology) *Credit: 3 semester hours.*

407 The Healing Ministry of the Church

(See Pastoral Theology) *Credit: 3 semester hours.*

408 The Sacraments of Initiation

(See Pastoral Theology) *Credit: 3 semester hours.*

410 Theologies of Liberation

Reflection on the liberating traditions of Christian faith in light of the political-sociological world situation. *Credit: 3 semester hours.*

430 Women and the Christian Tradition

Reexamines the role of women in the Christian biblical tradition: theologies of creation and redemption, priesthood and leadership; the Marian tradition; religious orders of women. *Credit: 3 semester hours.*

435 Creation From Cosmology to Ecology

Explores the doctrine of creation in the context of its historical development, including its biblical roots, philosophical influences, and contemporary issues such as the relation between science, theology and the ecological crisis, as viewed through the work of current theologians. *Credit: 3 semester hours.*

440 Eschatology and Christian Hope

A study of contemporary theological reflection on the ultimate destiny of humanity and of the world. The major symbols of Christianity are reexamined in the light of critical biblical and historical studies. *Credit: 3 semester hours.*

445 The Theology of Mary

A study of Mary's role in the Christian tradition, its relation to other areas of theological study, and its ecumenical and global perspectives. *Credit: 3 semester hours.*

490 Special Topics in Theological Studies

An in-depth exploration of a specific theological topic that is not covered by the department's regular offerings. *Credit: 3 semester hours.*

532 Christian Spirituality in Historical Perspective

An introduction to the vocabulary and thought forms of Christian mystical experience. Readings from selected texts of the classical spiritual writers from the New Testament to the present. *Credit: 3 semester hours.*

704 Liturgical Catechesis and Worship

(See Pastoral Theology—Catechetical Studies)

Credit: 3 semester hours.

Moral Theology

170 Fundamental Moral Theology

Examines the methods, sources, and development of Catholic moral theology. Addresses conscience, theological anthropology, Christian freedom, natural law, sin, virtue, and the use of Scripture in moral reflection. *Credit: 3 semester hours.*

410 Theologies of Liberation

(See Systematic Theology)

523 Catholic Social Teaching

Examines Catholic social thought as it pertains to social, economic, and political contexts. Issues of structural sin, economic justice, global development, and peace-building will be addressed in this course. *Credit: 3 semester hours.*

524 Theological Bioethics

Explores issues of bioethics from a Christian theological perspective. *Credit: 3 semester hours.*

525 Love and Sexuality: A Christian Understanding

This course explores the biblical, theological, philosophical and scientific foundations of contemporary Christian sexual ethics. Roman Catholic teaching on issues of sexuality is examined in depth, and subjected to appropriate theological scrutiny. *Credit: 3 semester hours.*

526 Specific Moral Issues in a Christian Context

Examines specific moral issues (war and peacemaking, globalization and its effects, human migration, homosexuality and same-sex unions, and end-of-life issues, among others) to develop a sense of method for dealing with moral problems. *Credit: 3 semester hours.*

527 Business Ethics: A Christian Perspective

Examines the moral dimensions of business activity in light of the principles of Christian Ethics, and includes moral analysis of specific cases drawn from the major areas of business. *Credit: 3 semester hours.*

529 Church, State, and Social Ethics

This course examines the theological connections between social and personal ethics, as it relates to the major socio-moral issues of our time including church and state, democracy, economics, ecology, and war. *Credit: 3 semester hours.*

599 McKeever Seminar in Moral Theology

This course will examine in depth an issue in the field of moral theology, led by the professor holding the McKeever Chair in Moral Theology. *Credit: 3 semester hours.*

Interfaith Studies**660 Ecumenical and Interreligious Dialogue**

The history and structures of ecumenical and interreligious dialogue with particular attention to concepts of the unity of the Christian church which have been advanced by several of the Christian communions. *Credit: 3 semester hours.*

Track 3: Pastoral Theology**Catechetical Studies****702 Introduction to Catechesis**

An historical survey of catechetical theory and practice. This course examines the social situation of the Church, the theology used, and the resulting catechesis, for their outcomes in the life of particular communities. *Credit: 3 semester hours.*

703 Catechesis for Teens and Adults

This course surveys current theory and practice of catechetical efforts to involve both teens and adults, stressing the developmental tasks of each group respectively, and practical issues of creating programs to meet their needs. *Credit: 3 semester hours.*

704 Liturgical Catechesis and Worship

Explores catechetical issues within the context of Christian communal worship, examining the earliest evidence of Christian liturgy as a matrix for shaping Christian faith and belief. *Credit: 3 semester hours.*

Liturgical Studies**150 Introduction to Liturgy**

Analyzes certain tensions in liturgical thought and celebration today, in light of the liturgy's ancient and recent past, exploring possible future liturgical trends based on present theory and practice. *Credit: 3 semester hours.*

200 The Liturgical Year and Liturgy of the Hours

This course explores the nature, historical evolution, theology, as well as pastoral and canonical aspects of the Church's cycle of seasons and feasts, examining time and commemoration from a theological and liturgical viewpoint, along with the daily Liturgy of the Hours and popular devotions, mainly from a Roman Catholic perspective, but with attention to comparable practices in other cultures. *Credit: 3 semester hours.*

405 Introduction to Sacramental Theology

Explores approaches to sacramental theology, with special attention to the sociological setting and anthropological dimension of the sacraments in their Christian context. *Credit: 3 semester hours.*

406 The Eucharist

An anthropology of symbol and the phenomenology of meal as a basis for understanding the Eucharist. Meals in the Old Testament are examined, along with selected Eucharistic themes in the New Testament. *Credit: 3 semester hours.*

407 The Healing Ministry of the Church

The history, theology and pastoral practice of the sacraments of reconciliation and the anointing of the sick. *Credit: 3 semester hours.*

408 The Sacraments of Initiation

Anthropological dimensions of initiation. Initiation in the early Church. The breakdown in the unity of the initiation sacraments, and Christian initiation today. *Credit: 3 semester hours.*

Pastoral Studies**801 Introduction to Pastoral Care and Counseling**

Introduces the basic concepts and fundamental skills of counseling in a pastoral setting. It requires active participation in course discussions, a research paper on a counseling philosophy or other approved topic, counseling role play, and use of counseling transcripts as learning tools. *Credit: 3 semester hours.*

802 The Church as a Community of Ministers

Explores the biblical roots and historical evolution of ministry structures, present pastoral ministry concerns, issues, and resources in specific areas of ministry, and practical strategies for engaging in ministry in today's Church. *Credit: 3 semester hours.*

803 Pastoral Ministry in Loss and Grief

Theoretical foundations for understanding the nature and universality of loss and grief. General principles of intervention and pastoral resources for healing and growth as found in community, ritual, faith, and belief. *Credit: 3 semester hours.*

831 Pastoral Perspectives on Marriage and Family

An in-depth exploration of Vatican II and post-Vatican II theological treatments of marriage and family life, which evaluates pastoral strategies for a variety of contemporary marriage and family issues. *Credit: 3 semester hours.*

835 Christian Spirituality and Pastoral Ministry

Examines topics and resources in the field of Christian Spirituality that relate to the pastoral minister and to the people encountered through various pastoral ministries. *Credit: 3 semester hours.*

Research, Maintaining Matriculation, and Comprehensive Examination**005 Proseminar**

Students register for this proseminar course in their first semester. *No credit.*

105 Comprehensive Portfolio

This exam tests the student's knowledge in their field. *No credit.*

105T Master's Thesis Defense

Students electing the thesis option should register for this placeholder section in the semester they will defend their thesis. *No credit.*

900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirements. *Credit: 3 semester hours.*

901; 902; 903 Independent Research

Individual study under the direction of a selected faculty member. The area of research must be approved in advance by the chair and in consultation with the supervising faculty member. *Credit: 3 semester hours.*

925 Maintaining Matriculation

Master's students who are not registered for other courses must register for THE 925 until all degree requirements are completed and the degree is granted. *No credit. Fee: \$100 per semester.*

For a complete listing of approved courses, please contact the Dean's Office.

Art and Design

Amy Gansell, *Associate Professor*, B.A. Barnard College; Ph.D. Harvard University.

Susan Rosenberg, *Graduate Director and Professor*, B.A. Brown University; Ph.D. Institute of Fine Arts, New York University.

Asian Studies

Bernadette Li, *Professor*, B.A., National Taiwan University, Taiwan; M.A., University of Washington; Ph.D., Columbia University. Political and intellectual history of modern China; Chinese women's history and literature; Asian American studies in history, literature, and women.

Biological Sciences

Christopher W. Bazinet, *Professor Emeritus*, B.A., University of Wisconsin; Ph.D., Massachusetts Institute of Technology.

Dianella G. Howarth, *Chair and Professor*, B.A., University of Pennsylvania; Ph.D., Harvard University. Evolution and development of plant lineages.

Simon Geir Møller, *Provost and Professor*, B.S., Ph.D., University of Leeds, UK; M.S., The University of London, UK. Molecular and cellular mechanisms associated with Parkinson's Disease; iron-sulfur cluster biogenesis and organelle biology.

Matteo Ruggiu, *Associate Professor*, B.S., M.S., University of Pavia, Italy; Ph.D., Medical Research Council, UK. RNA-protein networks in neuronal function and disease.

Juan C. Santos, *Assistant Professor*, B.S., Pontificia Universidad Católica del Ecuador; M.S., Ph.D., University of Texas-Austin.

Laura Schramm, *Program Director for Environmental Studies and Professor*, B.S., Ph.D., SUNY-Stony Brook; M.S., St. John's University. Regulation of the cell cycle; gene expression in eukaryotes; mechanisms of transcriptional regulation in human cells.

Richard Stalter, *Professor*, M.S., University of Rhode Island; Ph.D., University of South Carolina. Ecology of coastal plant communities; rare and endangered plants.

Louis Trombetta, *Professor*, B.S., M.S., Ph.D., Fordham University. Electron microscopy cytology, pathology, and cytochemistry; the effects of drugs in metabolism and cell degeneration, particularly in the CNS.

Ales Vancura, *Professor*, B.S./M.S., Ph.D., University of Chemistry and Technology, Prague, Czech Republic. Chromatin structure and regulation of transcription; signal transduction.

Ivana Vancurova, *Professor*, B.S./M.S., University of Chemistry and Technology, Prague, Czech Republic; Ph.D., Institute of Microbiology of the Czech Academy of Sciences. Molecular mechanisms of inflammation.

Wan Seok Yang, *Associate Professor*, B.S., Ph.D., Korea Advanced Institute of Science and Technology, South Korea. Diagramming cell death pathways in human disease context.

Yong Yu, *Graduate Director and Professor*, B.S., Ocean University of Qingdao, China; Ph.D., Chinese Academy of Sciences, China. The structure and function of ion channels and their roles in human physiology and diseases.

Yan Zhu, *Associate Professor*, B.S., M.S., Wuhan University, China; Ph.D., Robert Wood Johnson Medical School. The p53-MDM2 pathway in cancer.

Rachel Zufferey, *Professor*, B.S./M.S. and Ph.D., ETH Zurich, Switzerland. Characterization of the glycerolipid metabolic pathways of the vertebrate protozoan parasites *Leishmania* and trypanosomes to determine their importance in parasite development, differentiation, and virulence.

Chemistry

James Brady, *Professor Emeritus*, B.S., Hofstra University; Ph.D., The Pennsylvania State University.

David P. Brown, *Professor*, B.S., University of the West Indies, Jamaica; M. Phil., Ph.D., CUNY. Organic chemistry; design and synthesis of natural product hybrids as new chemical entities in drug discovery and development.

Victor Cesare, *Professor*, B.S., SUNY-Albany; M.S., Ph.D., St. John's University. Organic chemistry; synthesis, reactions, and medicinal applications of alpha lactams.

Gina M. Florio, *Professor*, A.B. Vassar College; Ph.D. Purdue University. Physical chemistry; understanding and characterization of the fundamental physics and chemistry of interfacial systems.

Steven M. Graham, *Associate Professor*, B.S., M.S., Ph.D., SUNY-Stony Brook. Organic chemistry; conformational analysis of nucleosides, nucleotides, and cADPR.

Alison G. Hyslop, *Associate Dean and Professor*, B.A., Macalester College; Ph.D., University of Pennsylvania. Inorganic chemistry; synthesis of novel porphyrin arrays for light harvesting complexes.

Erica Y. Jacobs, *Assistant Professor*, B.A., Case Western Reserve University; M.S., Yale University; Ph.D., University of Washington. Biochemistry; mass spectrometry; host-pathogen and host-parasite protein interactions.

Neil D. Jespersen, *Professor Emeritus*, B.S., Washington and Lee University; Ph.D., The Pennsylvania State University.

Eugene J. Kupchik, *Professor Emeritus*, B.S., Ph.D., Rutgers University.

Philip S. Lukeman, *Associate Professor*, B.S., University of Leicester, UK; Ph.D., Cambridge University, UK. Organic chemistry; covalent chemistry control of nucleic acid nanotechnology; meso-scale molecular engineering.

Elise G. Megehee, *Associate Professor*, B.S., University of Rochester; M.S., Ph.D., University of North Carolina-Chapel Hill. Inorganic chemistry; synthesis and characterization of new luminescent complexes of osmium, rhodium, and iridium.

Richard J. Rosso, *Graduate Director and Associate Professor*, B.S., SUNY-Albany; Ph.D., SUNY-Buffalo. Inorganic chemistry; synthesis of novel ligands for biphasic media.

Joseph Serafin, *Chair and Associate Professor*, B.S., Gannon University; M.A., M. Phil., Ph.D., Columbia University. Physical chemistry; aqueous solution chemistry; surface chemistry; co-solvent effects.

Anthony Testa, *Professor Emeritus*, B.S., CUNY; Ph.D., Columbia University.

Anne Vázquez, *Assistant Professor*, B.S., Muhlenberg College; M.S., Ph.D., University of Michigan. Analytical chemistry; analysis of organic pollutants in soil and aqueous environments.

Frank X. Vázquez, *Assistant Professor*, B.S., B.S., Northern Arizona University; Ph.D., University of Michigan. Computational chemistry; biophysical chemistry; multi-scale bimolecular simulation.

Enju Wang, *Professor*, B.S., Shangdong Normal University, China; M.Sc., Institute of Soil Science of Nanjing, China; Ph.D., ETH Zurich, Switzerland. Analytical chemistry; chemical sensors for monitoring chemical species in biological systems, environmental situations, and chemical processes.

Communication Sciences and Disorders

Melissa Bortz, *Assistant Professor*, B.A., M.S., University of the Witwatersrand, South Africa; M.A., Queens College; M.Phil., CUNY; Ph.D., University of the Witwatersrand, South Africa. Child and adult language; language assessment; fluency.

Nancy Colodny, *Chair and Associate Professor*, B.S., Emerson College; M.S., Ed.D., Columbia University-Teachers College. Dysphagia; adult neurogenics; geriatrics.

Shruti Deshpande, *Professor*, B.S., M.A., Maharashtra University of Health Sciences, India; Ph.D., University of Cincinnati. Auditory electrophysiology; auditory perception; auditory processing.

Max R. Freeman, *Assistant Professor*, B.A., The Pennsylvania State University; M.A, Ph.D., Northwestern University. Bilingualism; child language.

Anne-Marie Maher, *Director of Speech and Hearing Clinic*, B.A., M.A., Queens College.

Gary E. Martin, *Associate Professor*, B.A., M.A., University of Pittsburgh; Ph.D., University of North Carolina-Chapel Hill. Autism spectrum disorders; Fragile X Syndrome; Down Syndrome.

Suzanne Miller, *Graduate Director for Audiology and Associate Professor*, B.A., Boston College; M.A., St. John's University; Ph.D., CUNY. Otoacoustic emissions; acoustic reflectance; differential diagnosis of hearing loss.

Denise Passerieux, B.A., M.A., University of Buffalo; Au.D., Arizona School of Health Sciences. Diagnostic audiology, hearing aids, and vestibular testing.

Patricia Schwartz, *Speech-Language Pathology Clinical Coordinator*, B.A., M.A., St. John's University.

Anthea Vivona, *Clinical Supervisor*, M.A., St. John's University; Ph.D., CUNY.

Monica Wagner, *Associate Professor*, B.A., SUNY-Cortland; M.A., Queens College; Ph.D., CUNY. Electrophysiology; neuroscience of speech and language; speech perception.

Patrick Walden, *Graduate Director for Speech-Language Pathology and Associate Professor*, B.A., Florida State University; M.A., New Mexico State University; Ph.D., Florida Atlantic University. Voice and voice disorders; scholarship of teaching and learning; workplace learning in medical settings.

Rebecca Wiseheart, *Associate Professor*, B.A., M.A., Ph.D., University of Florida. Dyslexia; language-based learning disabilities; scholarship of teaching and learning.

Yan Helen Yu, *Graduate Director for Speech-Language Pathology and Associate Professor*, B.A., Hubei Normal University, China; M.A., St. John's University; Ph.D., CUNY. Bilingualism; neural indices of language processing; autism spectrum disorders.

English

Dohra Ahmad, *Professor*, B.A., Yale University; Ph.D., Columbia University. World Anglophone literature; postcolonial theory; vernacular literature; comparative migration literature; utopian fiction; canons and canonicity; World Literature pedagogy.

Steven Alvarez, *Assistant Chair and Associate Professor*, B.A., University of Arizona; M. Phil., Ph.D., CUNY. Literacy studies; ethnography; bilingual learning; writing studies; experimental poetics; foodways studies.

Lee Ann Brown, *Professor*, M.A., M.F.A., Brown University. Poetry in traditional and avant-garde forms; poetics; songs and ballads; feminist theory; southern literature; editing and publishing small press publications.

Gabriel Brownstein, *Professor*, B.A., Oberlin College; M.F.A., Columbia University. Writing novels and short stories.

Raj Chetty, *Associate Professor*, B.A., University of California; M.A., Brigham Young University; Ph.D., University of Washington. Caribbean literature across English, Spanish, and French, with a focus on Black and African diaspora.

Scott Combs, *Associate Professor*, B.A., University of Chicago; M.A, Ph.D., University of California-Berkeley. International film history; American film genres; novel-to-film adaptation; the cinema and death.

Robert Fanuzzi, *Associate Professor*, B.A., College of William and Mary; Ph.D., Northwestern University. African-American literature, 18th to 20th century; 19th and 20th century Francophone Caribbean, Haitian, and American studies; slavery and Atlantic modernity; trans-Atlantic antislavery and abolition movements; critical university studies; publicly-engaged humanities.

Robert Forman, *Professor*, B.A., St. John's College; M.A., University of Vermont; Ph.D., CUNY. Ancient epic and drama.

Granville Ganter, *Associate Professor*, B.A., Boston University; M.A., Ph.D., CUNY. 18th- and 19th-century U.S. literature; African American literature; Native American literature.

Anne Ellen Geller, *Professor*, B.A., Mount Holyoke College; M.A., Ph.D., New York University. Student and faculty writers; writing across the curriculum; writing centers; co-authorship.

Rachel Hollander, *Associate Professor*, B.A., Swarthmore College; M.A., Ph.D., Rutgers University. 19th - and early 20th-century British literature; literary theory.

Amy M. King, *Graduate Director and Professor*, B.A., Bates College M.A., Harvard University, Ph.D., Harvard University. 19th-century British literature and culture; Victorian Studies; 18th- and 19th-century history of science; history and theory of the novel; realism; narrative and the natural world.

Brian C. Lockey, *Professor*, B.A., Swarthmore College; M.A., University of Sussex, UK; Ph.D., Rutgers University. Poetry, prose, and drama of the 16th and 17th centuries; Shakespeare; Milton; epic and romance; transatlantic English literatures.

John Lowney, *Professor*, B.A., M.A., University of Massachusetts; Ph.D., Brown University. American poetry; modernism and modernity; 20th-century African American literature.

Kathleen Lubey, *Professor*, B.A., Ithaca College; M.A., SUNY-Buffalo; Ph.D., Rutgers University. 18th-century British literature; the history of sexuality; the novel and aesthetics.

Gregory Maertz, *Professor*, B.A., Northwestern University; A.M., Ph.D., Harvard University. The legacy of Romanticism in literature, art, and cultural politics; the 19th-century novel; the afterlife of Nazi culture; modernism and fascist aesthetics; kitsch and camp; art and propaganda; canons and collections.

Steve Mentz, *Professor*, A.B., Princeton University; M.A., M. Phil., Ph.D., Yale University. Early modern drama, fiction, and poetry; environmental humanities; maritime literature; ecocriticism; the history of the book and media forms.

Stephen Paul Miller, *Professor*, B.A., M.A., CUNY; Ph.D., New York University. American studies; contemporary poetry; creative writing; cultural studies; film studies.

Melissa Mowry, *Professor*, B.A., Boston University; M.A., Ph.D., University of Delaware. 17th- and 18th-century British literature; political satire; Restoration republicanism and mercantilism; class and gender studies; early modern popular culture.

Derek Owens, *Professor*, B.A., SUNY-Geneseo; M.A., D.A., SUNY-Albany. Composition theory and the teaching of writing; place-based pedagogy; visual media; experimental writing; ecological literacy.

Nicole Rice, *Professor*, B.A., Yale University; M.Phil., Cambridge University, UK; Ph.D., Columbia University. Late medieval literature; drama; gender; manuscripts.

LaToya L. Sawyer, *Assistant Professor*, B.A., Hartwick College; M.A., Ph.D., Syracuse University. Rhetoric and composition studies; literacy studies; Black feminist theory, specializing in Black women's rhetorics and discourses in face-to-face and digital spaces.

Stephen Sicari, *Professor*, B.A., Manhattan College; M.A., Ph.D., Cornell University. Modernism and modernity; history of the novel; allegory and epic; literary theory.

Shanté Paradigm Smalls, *Associate Professor*, B.A., Smith College; M.A., Ph.D., New York University. Performance studies; critical theory and popular culture, specializing in transnational Black aesthetics and gender and sexuality studies.

Jennifer Travis, *Chair and Professor*, B.A., Vassar College; M.A., Ph.D., Brandeis University. American literature and culture; women's literature; gender studies; digital studies; trauma and disaster studies.

Elda Tsou, *Associate Professor*, B.A., University of California-Berkeley; M.A., University of Chicago; Ph.D., Columbia University. Asian-American literature; Asian-American and ethnic studies; literary theory; race.

Government and Politics

Uma Balakrishnan, *Associate Professor*, B.A., M.A., University of Mumbai, India; Ph.D., University of Notre Dame. International relations and environmental politics.

William Byrne, *Associate Professor*, B.A., University of Pennsylvania; M.A., Ph.D., The Catholic University of America.

Fred Cocozzelli, *Chair and Associate Professor*, B.A., The Catholic University of America; M.I.A., Columbia University; Ph.D., The New School. Peacekeeping and post-conflict reconstruction; southeastern Europe and the Balkans; social policy; ethnic relations and conflict; citizenship.

Diane Heith, *Professor*, B.A., Cornell University; A.M., Ph.D., Brown University. American politics; the Presidency; public opinion.

David W. Kearn, Jr., *Associate Professor*, B.A., Amherst College; M.M.P., Harvard University; Ph.D., University of Virginia. International relations theory; security studies; military innovation; arms control; U.S. foreign policy.

Barbara Koziak, *Associate Professor*, B.A., University of Texas-Austin; M.A., Ph.D., Yale University. Political theory; feminist theory; American politics.

Azzedine Layachi, *Professor*, B.A., University of Algiers, Algeria; M.A., Ph.D., New York University. Middle East studies; nationalism.

Frank Paul LeVeness, *Professor*, B.S., M.A., Ph.D., St. John's University. Latin American and Caribbean politics and integration; comparative systems; minority politics; methodology; development politics; political economy.

William R. Nester, *Professor*, B.A., Miami University; M.A., Ph.D., University of California-Santa Barbara. International relations; foreign policy.

Robert F. Pecorella, *Associate Professor*, B.A., St. John's University; M.A., Brooklyn College; Ph.D., The Pennsylvania State University. Public administration; urban politics; public policy; research methods and quantitative analysis.

Luba Racanska, *Associate Professor*, B.A., Yale University; M.A., Ph.D., University of North Carolina-Chapel Hill. Russian politics; East European politics and non-governmental institutions; the European Union.

History

Dolores L. Augustine, *Professor Emerita*, B.S.F.S., Georgetown University; M.A., Ph.D., Free University of Berlin, Germany.

Joseph Bongiorno, *Associate Professor*, B.A., St. Francis College; M.A., St. John's University; Ph.D., LL.M., University of Connecticut. Italy, diplomatic history, American studies.

Mauricio Borrero, *Associate Professor*, B.A., Georgetown University; M.A., Ph.D., Indiana University. Russia and the Soviet Union, sports and society, world history.

Tracey-Anne Cooper, *Associate Professor*, B.A., University of Lancaster, UK; M.A., Boston College; Ph.D., Boston College. Medieval Europe, culture, gender.

Jessica Harris, *Assistant Professor*, B.A., M.A., Ph.D. University of California, Los Angeles. United States and Italy, African American, race and gender, cultural history.

Shahla Hussain, *Associate Professor*, B.A., M.A., Jamia Millia University, India; Ph.D., Tufts University. South Asia, nationalism, migration.

Jeffrey Kinkley, *Professor Emeritus*, A.B., University of Chicago; M.A., Ph.D., Harvard University.

Timothy Milford, *Associate Professor*, A.B., Duke University; Ph.D., Harvard University. Colonial and early national America, law and society.

Ian Miller, *Associate Professor*, B.A., Swarthmore College; M.A., Ph.D., Harvard University. China, East Asia, the environment.

Philip Misevich, *Coordinator of Graduate Studies and Associate Professor*, B.A., St. John's University; Ph.D., Emory University. The Atlantic world, Africa, comparative slavery.

Susie J. Pak, *Associate Professor*, B.A., Dartmouth College; M.A., Ph.D., Cornell University. United States, race, ethnicity and gender, business. Asian American

Alejandro Quintana, *Associate Professor*, B.A., Universidad Popular Autónoma del Estado de Puebla, Mexico; M.A., Hunter College – CUNY; Ph.D., The Graduate Center – CUNY. Latin America, nation-building, state formation.

Nerina Rustomji, *Chair and Associate Professor*, B.A., University of Texas; M.A., M. Phil., Ph.D., Columbia University. Middle East, Islamic, aesthetics, and gender history.

Susan Schmidt Horning, *Associate Professor*, B.A., M.A., University of Akron; Ph.D., Case Western Reserve University. United States, 1960s, technology, and sound studies.

Kristin M. Szylyan, *Coordinator, M.A. in Public History Program and Associate Professor*, B.A., University of Massachusetts-Lowell; M.A., Duquesne University; Ph.D., Carnegie Mellon University. Public history, urban and labor history.

Konrad Tuhscherer, *Associate Professor*, B.A., University of Wisconsin; Ph.D., University of London, UK. Africa, African studies, paleography.

Lara Vapnek, *Professor*, B.A., Barnard College; M.A., M. Phil., Ph.D., Columbia University. United States, women, labor, and gender history.

Erika Vause, *Associate Professor*, B.A., University of California - Berkeley; M.A., Ph.D., University of Chicago. France; legal history; capitalism.

James Wolfinger, *Professor and Dean, School of Education*, B.S., Auburn University; M.A., University of Georgia; Ph.D., Northwestern University. United States, urban, labor, race, politics, and African American history.

Languages and Literatures

Alina L. Camacho-Gingerich, *Professor, Chair, and Director of Center for Latin American and Caribbean Studies*, B.A., M.A., SUNY-Buffalo; Ph.D., University of Pittsburgh. Latin American literature and civilization.

Marie-Lise Gazarian, *Graduate Director and Professor*, B.A., Adelphi College; M.A., Ph.D., Columbia University. Latin American literature and civilization; contemporary Spain.

Carmen F. Klohe, *Associate Professor*, B.A., Montclair State University; M.A., Queens College; M.Phil., Ph.D., CUNY. 18th-, 19th-, and 20th-century Spain.

Eduardo Mitre, *Associate Professor*, B.A., University of San Simón, Bolivia; M.A., Ph.D., University of Pittsburgh. Latin American literature.

Nicolás J. Toscano, *Professor Emeritus*, Bachiller, Universidad de Granada, Spain; Lic, en Derecho, Universidad Autónoma de Madrid, Spain; Ph.D, University of Massachusetts.

Library and Information Science

Christine M. Angel, *Associate Professor*, B.A., M.S., East Carolina University; M.S., North Carolina Central University; Ph.D., University of South Carolina. Information representation and retrieval in library, archive, museum, and web environments; archival representation; museum informatics; metadata.

Shari Lee, *Associate Professor*, B.S., CUNY; M.L.S., St. John's University; Ph.D., University of California-Los Angeles. User behavior as a consequence of design; authentic teen space design; youth services.

Kevin S. Rioux, *Associate Professor*, B.A., Louisiana State University; M.A., M.L.I.S., Ph.D., University of Texas-Austin. Information sharing behaviors; library service to special populations; social justice and the information professions; qualitative research methods; information access and social development.

Rajesh Singh, *Associate Professor*, B.Sc., M.Sc., M.L.I.Sc., University of Lucknow, India; Ph.D., Åbo Akademi University, Finland. Intercultural skills; information behavior; leadership and advocacy; information marketing and branding.

Kristin M. Szylvian, *Associate Professor*, B.A., University of Massachusetts-Lowell; M.A., Duquesne University; Ph.D., Carnegie Mellon University. Library and archival history and grant writing.

James Vorbach, *Director and Associate Professor*, B.S., SUNY-Stony Brook; M.S., Ph.D., University of Rhode Island. Database modeling; metadata; web design.

Mathematics and Computer Science

Edward Beckenstein, *Professor Emeritus*, B.S.E.E., M.S.E.E., Ph.D., Polytechnic Institute of New York.

Theresa Barz, *Professor Emeritus*, B.S., M.A., St. John's University; M.S., New York Institute of Technology; Ed.D., Columbia University.

Florin Catrina, *Graduate Director and Professor*, B.S., M.S., University of Bucharest, Romania; Ph.D., Utah State University. Differential equations; nonlinear analysis; applied mathematics.

Arnold Dikansky, *Professor Emeritus*, B.A., M.A., The Azerbaijan State University; Ph.D., Academy of Sciences.

Daniel M. Gallo, *Professor Emeritus*, B.A., CUNY-Queens College; M.A., The Pennsylvania State University; Ph.D., SUNY-Stony Brook.

Leon Gerber, *Associate Professor*, B.S., Brooklyn College; M.A., Ph.D., Yeshiva University. Geometry.

Genady Ya. Grabarnik, *Graduate Director and Professor*, M.S., Tashkent State University, Uzbekistan; Ph.D., Academy of Sciences of Uzbekistan, Uzbekistan. Operator algebras; Ergodic theory; machine learning; statistics; computer science.

Alexander A. Katz, *Professor*, B.S., M.S., Tashkent State University, Uzbekistan; Ph.D., University of South Africa, South Africa. Functional analysis; Ergodic theory; topological and operator algebras; applications of mathematical logic to analysis.

Vincent J. Mancuso, *Professor Emeritus*, B.S., Fordham University; M.S., Ph.D., Rutgers University.

Luke F. Mannon, *Associate Professor*, B.S., M.S., University College-Galway, Ireland; Ph.D., Brown University. Differential equations; applied mechanics.

Lawrence Narici, *Professor Emeritus*, B.S., M.S., Ph.D., Polytechnic Institute of Brooklyn.

Igor V. Nikolaev, *Assistant Professor*, B.S., M.S., Bauman Tech., Moscow; Ph.D., Institute of Mathematics, Moldova. Noncommutative geometry.

Mikhail Ostrovskii, *Chair and Professor*, M.S., National University of Kharkiv, Ukraine; Ph.D., Habilitation Degree in Mathematics, The Supreme Attestation Board of U.S.S.R. Functional analysis; theoretical computer science; graph theory.

David B. Patterson, *Professor Emeritus*, A.B., Grinnell College; M.A., Ph.D., Columbia University.

David Rosenthal, *Professor*, B.S., M.A., Ph.D., SUNY-Binghamton. Algebraic and geometric topology; coarse geometry.

Robert O. Stanton, *Associate Professor*, B.S., St. John's University; M.S., Tulane University; Ph.D., New Mexico State University. Abelian group theory.

Vladimir Tulovsky, *Associate Professor*, M.S., Ph.D., Moscow University, Russia. Applied mathematics.

Philosophy

Zachary Davis, *Associate Professor*, B.A., Mathematics and Philosophy, University of New Hampshire; M.A., Ph.D., Southern Illinois University-Carbondale. Social-political philosophy; recent European philosophy; phenomenology; ethics; social justice; environmental philosophy.

Paul Gaffney, *Associate Professor*, B.S., Niagara University; M.A., Ph.D., Catholic University of America. Business ethics; philosophy of law; economic justice.

Paul Gyllenhammer, *Associate Professor*, B.A., SUNY Plattsburgh; M.A., Villanova University; Ph.D., Marquette University. Virtue theory; phenomenology; contemporary philosophy.

Michael Henry, *Professor*, M.A., Russian Studies, Fordham University; M.A., Ph.D., Political Philosophy, University of Notre Dame. Normative political theory; philosophy and literature.

Kevin Kennedy, *Associate Professor*, B.A. Lemoyne College; M.A., Ph.D., Catholic University of America. Marxism; American philosophy; pragmatism.

Zhuoyao (Peter) Li, *Assistant Professor*, B.A., University of Tulsa; Ph.D., Boston College. Social and political philosophy, ethics, comparative political theory, philosophy of economics.

Mary Townsend, *Assistant Professor*, B.A., Liberal Arts, St. John's College; M.A., Catholic University of America; Ph.D., Tulane University. History of political philosophy; feminist philosophy; moral and political philosophy.

Psychology

Andrea J. Bergman, *Associate Professor*, B.A., Cornell University; M.A., Ph.D., Emory University. Phenomenology of personality disorders; developmental psychopathology; psychopathology among emerging adults.

Elizabeth Brondolo, *Professor*, B.S., SUNY-Purchase; M.S., Ph.D., Rutgers University. Symptom reporting and help seeking; psychological factors in cardiovascular disease; minority mental health.

Elissa Brown, *Professor*, B.A., University of Pennsylvania; M.A., Ph.D., SUNY-Albany. Developing, studying, and disseminating interventions for the prevention and treatment of child trauma.

William F. Chaplin, *Professor, Program Director for M.A. and Director of Research at Center for Psychological Services*, A.B., Stanford University; Ph.D., University of Oregon. Personality; psychometrics; data analysis.

Dana L. Chesney, *Associate Professor*, B.A., The University of Virginia; Ph.D., Rutgers University. Numerical literacy; judgment and decision-making.

Tamara Del Vecchio, *Chair and Professor*, B.A., SUNY-Albany; M.A., Ph.D., SUNY-Stony Brook. Conflict and aggression from infancy through adulthood.

Raymond A. DiGiuseppe, *Professor*, B.A., Villanova University; M.A., SUNY-Brockport; Ph.D., Hofstra University. Clinical assessment and treatment of anger problems; the process and outcome of cognitive-behavioral and rational-emotive behavioral therapies.

Phillip Drucker, *Associate Professor*, Ph.D., Brooklyn College. Assessment of client-therapist interaction and treatment outcome; emotional and cognitive aspects of children of substance abusers.

Dawn P. Flanagan, *Professor*, B.S., University of Massachusetts-Amherst; M.A., Ph.D., The Ohio State University. School psychology; theoretically-based approaches to measuring intelligence; preschool screening and assessment.

Carolyn Greco-Vigorito, *Associate Professor*, B.S., Brooklyn College; M.A., Ph.D., University of Massachusetts-Amherst. Developmental

psychology; emotional, behavioral, and familial characteristics of young children of alcoholics and substance abusers; false memory in college students.

Beverly Greene, *Professor*, B.A., New York University; M.A., Ph.D., Adelphi University. Gender; ethnocultural, sexual orientation, and multiple identity issues in human development and psychotherapy; psychologies of African American women; psychology and social justice; feminist theory; feminist psychodynamic psychotherapies.

Ernest V. E. Hodges, *Professor*, B.S., Florida State University; M.A., Ph.D., Florida Atlantic University. Social and personality development; family-peer relationships; aggression/victimization; academic achievement; self-concept; risk for weapon carrying.

Rafael Art. Javier, *Professor*, B.A., Lehman College; M.A., Ph.D., New York University. Psycholinguistics; bilingualism; psychotherapy; minority mental health.

Wilson H. McDermut, *Graduate Director for Clinical Psychology and Associate Professor*, B.A., Wesleyan University; Ph.D., American University. Personality, cognitive factors, and psychopathology; psychological assessment; humor.

Lauren Moskowitz, *Associate Professor*, Ph.D., SUNY-Stony Brook. Behavioral intervention for children with autism spectrum disorders (ASD), anxiety disorders, and disruptive behavior disorders; parent training; cognitive-behavioral therapy.

Jeffrey S. Nevid, *Professor*, B.A., SUNY-Binghamton; Ph.D., SUNY-Albany. Cognitive behavior therapy; health psychology; implicit responses; teaching of psychology.

Samuel O. Ortiz, *Professor, and Program Director for School Psychology*, B.S., B.A., M.A., Ph.D., University of Southern California. School psychology; multicultural evaluation and nondiscriminatory assessment.

Melissa K. Peckins, *Assistant Professor*, B.S., M.S., Ph.D., The Pennsylvania State University. Neurobiological, health, and behavior outcomes associated with childhood adversity; neuroendocrine response to stress; developmental methodology.

Miguel Roig, *Professor*, B.A., New Jersey City University; M.A., St. John's University; Ph.D., Rutgers University. Academic dishonesty; responsible conduct of research; cognitive-neuropsychological parameters of cognitive styles of thinking; paranormal and parapsychological issues.

Marlene Sotelo-Dynega, *Associate Professor*, B.A., M.S., Iona College; Psy.D., St. John's University. Psychoeducational assessment; school psychology and social justice.

Mark D. Terjesen, *Professor*, B.A., Boston University; M.A., Ph.D., Hofstra University. School psychology; cognitive-behavioral therapy with children and adolescents; preschool assessment and intervention.

Robin L. Wellington, *Associate Professor*, B.S., University of Maryland; M.S., Ph.D., University of Pittsburgh; postdoctoral fellowship, University of Chicago. Neuroendocrine response to life stressors in clinical populations; cognitive and emotional processing of stressful events; coping and subsequent neurophysiological responses.

Zheng Zhou, *Professor*, B.A., Soochow University, China; M.S., Tulane University; Ph.D., Columbia University. School psychology; cross-cultural comparisons on mathematical reasoning, basic relational concept acquisition, and Chinese American children's school adjustment.

Sociology and Anthropology

Natalie P. Byfield, *Associate Professor*, B.A., Princeton University; M.A., Stanford University; Ph.D., Fordham University. Media studies; race and ethnicity; social theory.

Judith N. DeSena, *Professor*, B.A., Brooklyn College; Ph.D., CUNY. Sociology of community; sociology of gender; urban sociology; research methods.

Anne Galvin, *Associate Professor*, B.A., Wheaton College; M.A., Ph.D., The New School. African diaspora; Jamaican and Caribbean culture; ethnomusicology.

Alana L. Glaser, *Assistant Professor*, B.A., University of North Carolina at Chapel Hill; M.A., New York University; M.A., Ph.D., Northwestern University. Community, human ecology, ethnography

Michael Indergaard, *Professor, and Chair* B.A., St. John's University; M.A., Ph.D., Michigan State University. Urban sociology; work and labor markets; economy and society.

Omar Montana, *Assistant Professor*, B.A., Queens College; M.A., City College; M.Phil., Ph.D., CUNY Graduate Center. Education, urban sociology, theory

Brandie Pugh, *Instructor*, B.A., Ohio University; M.A., University of Delaware. Deviant behavior, social disorganization, social control theory.

Anthony Bayani Rodriguez, *Assistant Professor*, A.B. Brown University; M.A., Ph.D., University of Southern California. Racial, ethnic, and gender studies; culture and media; theory.

Joseph Trumino, *Associate Professor*, B.A., CUNY-Hunter; Ph.D., CUNY. Urban sociology; sociology of sport; social theory.

Roberta Villalon, *Professor*, Lic. International Relations, Universidad Torcuato Di Tella, Argentina; M.A., Ph.D., University of Texas-Austin. Feminist theory; inequality; political sociology; social movements.

Yue "Angela" Zhuo, *Associate Professor*, B.A., LL.B., Tianjin University, China; M.A., Nankai University, China; Ph.D., SUNY-Albany. Criminology; quantitative methodology; substance abuse.

Theology and Religious Studies

Meghan J. Clark, *Associate Professor*, B.A., Fordham University; M.A., Ph.D., Boston College. Catholic Social Thought; social ethics; healthcare ethics.

Francis D. Connolly-Weinert, *Associate Professor*, B.S., St. Joseph's University; M.A., Maryknoll School of Theology; Ph.D., Fordham University. New Testament writings and theology; Qumran literature.

Jeremy Cruz, *Associate Professor*, B.A., University of California; M.Div., Ph.D., Boston College. Social ethics; political theology; labor studies.

Teresa Delgado, *Professor and Dean*, B.A., Colgate University; M.A., Union Theological Seminary; M.Phil., Union Theological Seminary; Ph.D., Union Theological Seminary. Diversity in higher education, transformational pedagogies, constructive theology and ethics, and justice for racial/ethnic/sexual minoritized persons.

Michael T. Dempsey, *Associate Professor*, B.A., Denison University; M.A.R., Yale Divinity School; Ph.D., University of St. Michael's College, Canada. Systematic theology; historical theology; doctrine of God, Trinity, and Providence.

Christopher D. Denny, *Associate Professor*, B.A., St. John's College; M.A., Ph.D., The Catholic University of America. Historical theology; religion and culture; theological aesthetics.

John Fitzgerald, *Associate Professor*, B.A., Princeton University; J.D., The University of Notre Dame; M.A., Ph.D., The Catholic University of America. Healthcare ethics; fundamental moral theology; comparative ethics, law, and religion.

Rev. Patrick S. Flanagan, C.M., *Associate Professor and Chair*, B.S., Niagara University; M.Div., Mary Immaculate Seminary; Ph.D., Loyola University. Catholic social thought, marketplace morality, information technology ethics.

David W. Haddorff, *Associate Professor*, B.A., University of Northern Colorado; M.A., Wheaton College; Ph.D., Marquette University. Christian ethics and moral theology; social ethics; American theology and religion.

Nicholas Healy, *Professor*, G.G.S.M., Guild Hall School of Music and Drama, UK; M.A., University of St. Michael's College, Canada; M.A., M.Phil., Ph.D., Yale University. Systematic theology.

Joann Heaney-Hunter, *Associate Professor*, B.A., M.A., St. John's University; M.S., Long Island University; Ph.D., Fordham University. Theology; pastoral practice of marriage and family; early Church history.

Erin Kidd, *Assistant Professor*, B.A., Philosophy, Gordon College; M.T.S., History of Christianity, University of Notre Dame; Ph.D., Religious Studies, Marquette University. Theological anthropology, theological method and God-talk, feminist theology, and science and religion.

Mark Kiley, *Associate Professor*, B.A., Boston College; M.T.S., Harvard Divinity School; Ph.D., Harvard University. Biblical studies; Biblical Greek.

Paul D. Molnar, *Professor*, B.A., Cathedral College of the Immaculate Conception; M.A., St. John's University; Ph.D., Fordham University. Systematic theology; Christology; Trinitarian theology; theological method.

Habibeh Rahim, *Associate Professor*, B.A., University of Toronto, Canada; M.T.S., Harvard Divinity School; A.M., Ph.D., Harvard University. Islamic and interfaith studies; spirituality; aesthetics.

Robert Rivera, *Associate Professor*, B.A., New York University; M.T.S., Harvard Divinity School; Ph.D., Boston College. Constructive theology; Christology; liberation theologies; U.S. Latina(o) theologies; global christianities.

Rev. Jean-Pierre Ruiz, *Associate Professor*, B.A., Cathedral College of the Immaculate Conception; S.T.B., S.T.L., S.T.D., Pontifical Gregorian University, Italy. Biblical studies; hermeneutics; Hispanic/Latino theology.

Matthew Sutton, *Associate Professor*, B.A., University of St. Thomas; M.A., Ph.D., Marquette University. Systematic theology; Trinitarian theology; Christology; pneumatology; ecclesiology; spirituality.

The School of Education

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LMHC, NCC Associate Dean of Staten Island Campus and Faculty Development

Michael Downton, Ph.D.

Associate Dean of Undergraduate Education and Student Engagement

Mirella Avalos-Louie, Ed.D.

Assistant Dean of Graduate and Alternative Programs

Stephanie A. Shaw, Ed.D.

Assistant Dean for Marketing and Graduate Recruitment

Edwin Tjoe, Ed.D.

Assistant Dean for Fiscal Affairs and Planning

Rosalba Del Vecchio, Ed.D.

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Director of Clinical Field Experiences

Lily Scarabino, MSED

Certification Officer

Mission:

The School of Education prepares professionals and scholars who advocate for equitable, ethical education. We embrace culturally responsive, evidence-based practices that challenge students to be vanguards of powerful and positive changes in the world.

Vision:

We envision excellence and innovation in socially responsible education that fosters intellectual curiosity, advocacy, and leadership in the local and global communities we serve.

Core Values:

Ethical Leadership
Global Perspectives and Diversity
Integrity
Innovation
Social Responsibility

Objectives

The School of Education has four major goals consistent with the mission and distinctive purposes of the University. The goals focus on a global view of our profession as the world changes. The programs of The School of Education will prepare you to deal with the urgency of knowing how technology affects both the learning of students and the assessment of their work and your own. These purposes include: (1) to prepare you to be competent in your subject area; (2) to provide you with the pedagogical knowledge, understanding and skills necessary, as caring and qualified professionals, to meet the rising academic standards expected of children and teachers; (3) to enable you to acquire professional knowledge of the rights and responsibilities of teachers and their implications for productive relationships with other professional staff, students, and community members; and (4) to introduce you to essential concepts of leadership in Pk-12 schools or as faculty and administrators in higher education, projected into the future.

The School of Education's objectives are:

1. To provide a vibrant learning environment for the intellectual, professional and moral development of students.
2. To provide programs to meet students' and societal needs in order to function effectively as professionals in a dynamic multicultural, multi-ethnic University as a prototype of our

society, that can lead to greater world-wide partnerships.

3. To encourage students to develop a personal philosophy of education consistent with the University's mission.
4. To foster basic and applied research in education and human services involving students and faculty.
5. To serve as a resource center to the educational community by: providing leadership and supportive services for local, state and national associations; sponsoring professional meetings and seminars; and offering consultative services for schools and community agencies.

Organization and Administration

The School of Education consists of four departments. The Department of Administrative and Instructional Leadership offers programs in gifted education, instructional leadership and educational administration. The Department of Curriculum and Instruction offers certification programs in teacher education covering all the development areas. The Department of Counselor Education offers programs in clinical mental health and school counseling. The Department of Education Specialties offers programs in bilingual /multicultural education, literacy, special education, and TESOL (Teaching English to Speakers of Other Languages).

Accreditation

St. John's University Teacher Education and Educational Leadership programs are currently accredited by the Teacher Education Accreditation Council (TEAC), moving towards The Association for Advancing Quality in Educator Preparation (AAQEP). Programs in the Counselor Education Department are accredited by the Council on the Accreditation of Counseling and Related Education Programs (CACREP).

Student Responsibilities

In addition to the general policies of the University set forth in this bulletin, students are responsible for becoming knowledgeable about New York State Certification requirements and regulations for teachers, school administrators, and school counselors, New York State license

requirements and regulations for mental health counselors, adhering to the Academic Calendar, and for meeting all of the requirements of their respective academic programs.

Classification of Students

Matriculated Students

A matriculated student is one who has been accepted for and is actively engaged in a degree or diploma program in The School of Education at St. John's University.

Maintaining Matriculation

Master's Degree and Advanced Certificate

Continuous enrollment from date of matriculation until the degree is awarded is mandatory for students enrolled in degree programs.

Students not enrolled in coursework must maintain their active status each semester by enrolling in MAINTAINING MATRICULATION at the scheduled registration period. Students must pay the appropriate fee for up to a maximum of 2 consecutive semesters.

Those who have not satisfied the continuous enrollment requirement must: 1. apply for readmission; 2. be readmitted; 3. meet the program requirements in effect at that time.

Doctoral Degrees

The School of Education currently offers four doctoral degree programs: the Ed.D. in Educational Administration and Supervision, the Ed.D. in Instructional Leadership; both in the Department of Administrative and Instructional Leadership; the Ph.D. in Curriculum and Instruction; and the Ph.D. in Literacy in the Department of Education Specialties. All programs require a course of study of up to 60 credits, successful completion of the comprehensive exam, and an approved dissertation manuscript by the Library for publication.

After successful completion of the comprehensive examination, students must enroll in Doctoral Research, either EDU 5990, EDU 7990, EDU 3292, EDU 3293, EDU 8011 or EDU 8012 until the degree is awarded. Students who have not satisfied the continuous enrollment requirement for two or more semesters must: 1) apply for readmission; 2) be readmitted; 3) meet the program requirements in effect at that time.

All requirements must be completed within eight years of the date of matriculation. All degree requirements must be completed no

later than three years from the successful completion of the comprehensive examination requirement. Students may petition for an extension of these requirements if there is an extenuating situation. The petition is not a guarantee for approval. If approved, an extension can be granted for 1 year.

Non-Matriculated Students

A non-matriculated student is one who is not actively engaged in a degree or advanced certificate program in the Graduate School of Education at St. John's University. There is no application fee for non-matriculated students and non-matriculated students are not eligible for any sort of financial aid. This may not apply to all programs.

Our Campuses

Students have great flexibility to choose the campus where they will take their courses to complete their degree program. Students may take courses online, at the Queens or Staten Island campuses, or at the Manhattan or Long Island Graduate Center locations. Students may complete an entire degree online as an Online Learning student depending on appropriate program registration (see *Programs of Study* on next page) and course availability.

Queens

The park-like Queens campus is readily accessible by car, bus, subway, or air. Located between JFK and LaGuardia Airports, the campus is just off the Grand Central Parkway, which connects Nassau and Suffolk Counties to Queens, Manhattan and upstate New York.

Staten Island (SI)

The wooded Staten Island campus is located in the residential Grymes Hill section, overlooking New York Bay. The campus is just off the Staten Island Expressway, and is easily accessible by car, bus, and ferry.

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Online Learning/Online (D)

Approved by the New York State Education Department, online learning programs are equivalent with on-campus programs. Courses

are taught by the same faculty who teach on-campus courses. Classes are small and actively engage students in synchronous and asynchronous collaboration with other students and communication with faculty members, so they are not isolated in their studies. They follow the same academic calendar as on-campus courses, and students have access to the vast electronic resources of the University library, academic and student services including student advising, counseling and career services. St. John's now makes it possible for students to earn their degrees without leaving their home or work. Several of our graduate degrees are available entirely online and designed for busy professionals balancing both work and family, and need the flexibility of non-campus based programs. Log on to www.stjohns.edu/academics/schools-and-colleges/online-learning for more details.

Additional Locations

Manhattan (M)

Located in New York City's East Village, the Manhattan site is easily accessible by mass transit. If you are traveling by car, the campus is located near the FDR Drive and the Williamsburg Bridge, making it easy to reach from the city's other boroughs, Long Island, upstate New York, New Jersey, or any of the area's major airports. The site is located on Astor Place between 3rd and 4th Avenue in the Minskoff Equities Office Building. Visit www.stjohns.edu/campuses/manhattan for more details.

Education Options

The School of Education offers many graduate level program options. Students should carefully select a course of study based on their professional teaching aspirations or career goals, in consultation with a faculty advisor.

- Students who enter with initial teaching certification will be eligible for additional certification endorsement(s) upon program completion.
- Students, including those with international credentials, possessing a bachelor's or master's degree in a field outside of teacher education, who wish to obtain initial New York State certification, should pursue a 42- or 48-credit career change master's program.
- Students, including those with international credentials, possessing a bachelor's or master's degree in any field, may choose a *non-certification* program option if their career goals are outside the traditional K-12

classroom or if they do not plan to teach in New York public schools.

- Students are strongly advised to carefully consider the consequences of completing a Master's in Education with a non-certification option. In doing so, they may have to fulfill additional requirements according to NY State regulations to receive future teacher certification endorsement from The School of Education. St. John's reserves the right to evaluate and support such applications.

Programs of Study

Graduate programs are registered with New York State Department of Education to be offered on the Queens and Staten Island campuses, as well as via Online Learning. Additionally, selected courses leading to many of our degree programs, but not entire degrees, are offered at our Manhattan locations. Students interested in taking courses offered at any of these locations are advised that at least one course in their program must be taken on the Queens campus in compliance with New York State regulations.

The location at which a particular program is offered is indicated as follows: Queens, Staten Island (SI), Online Learning (D), Manhattan (M).

Master's Degree Programs (M.S.Ed.)

Adolescence Education Career Change (Q, SI)
Adolescence Education Career Change Non Cert (Q, SI)
Adolescence Education Field Change (Q)
Adolescence Education, Biology 7-12 (Q)
Adolescence Education, English 7-12 (Q)
Adolescence Education, Math 7-12 (Q)
Adolescence Education, Social Studies 7-12 (Q)
Adolescence Education, Spanish 7-12 (Q)
Adolescence Education and Teaching Students with Disabilities 7-12 Generalist with Subject Extensions Career Change (Q, SI)
Alt. Cert (Trans B) Adolescent Education Residency (Q, M)
Alt. Cert (Trans B) Adolescent Education Residency, Teaching Students with Disabilities 7-12 Generalist (Q, M)
Alt. Cert. (Trans B) Adolescent Education and TESOL (Q, M)
Alt. Cert. (Trans B) Childhood & Childhood Special Education (Q, M)
Alt. Cert. (Trans B) English 7-12 (Q, M)
Alt. Cert. (Trans B) Math 7-12 (Q, M)
Alt. Cert (Trans B) Teaching Students with Disabilities 7-12 Generalist (Q, M)
Childhood Education 1-6 (Q, SI)
Childhood Education 1-6, Career Change (Q, SI)
Childhood Education 1-6, Career Change

Non Cert (Q, SI)
Childhood Education, 1-6, Field Change (Q, SI)
Childhood Education 1-6 and Childhood Special Education 1-6 (Internship) (Q, SI)
Childhood Education 1-6 and Childhood Special Education 1-6 (Internship) Non Cert (Q, SI)
Childhood Education 1-6 and T.E.S.O.L., PK-12 Career Change (Q)
Childhood Education 1-6 and T.E.S.O.L., PK-12 Career Change Non Cert (Q)
Clinical Mental Health Counseling (Q)
Early Childhood B-2, Career Change (Q, M)
Early Childhood B-2, Career Change Non Cert (Q, M)
Early Childhood Field Change (Q, M)
Early Childhood Education B-2 And Teaching Students with Disabilities (B-2): Field Change (Q)
Early Childhood Education B-2 And Teaching Students with Disabilities B-2 (Q)
Literacy 5-12 And non-certification (Q, SI, D)
Literacy B-6 And non-certification (Q, SI, D)
School Building Leadership (Q, D)
School Counseling (Q, SI)
School Counseling with a Bilingual Extension (Q)
Teaching Children with Disabilities: Childhood (Q, D)
Teaching Literacy 5-12 and TESOL PK-12 (Q, SI, D)
Teaching Children with Disabilities, Early Childhood (B-2) (Q)
Teaching Literacy 5-12 and Teaching Students with Disabilities Generalist 7-12 with SWD program extensions (Q, S, D)
Teaching Literacy B-6 and Teaching Children with Disabilities (Q, SI, D)
Teaching Literacy B-6 and TESOL PK-12 (Q, SI, D)
Teaching Literacy B-12 (Q, SI, D)
Teaching Students with Disabilities 7-12 Generalist with Subject Extensions (Q, SI, D)
Teaching English to Speakers of Other Languages (TESOL) PK-12 (Q, D)

Advanced Certificate and Extension Programs

Bilingual Extension (Q, D)
Bilingual Education – CR-ITI (Q,D)
Bilingual Special Education: CR-ITI (Q, D)
Clinical Mental Health Counseling (Q)
Gifted Education (Q, D)
Instructional Leadership (Q)
Middle School Education 5-6 Extension (Q, SI)
Middle School Education 7-9 Extension (Q, SI)
School Building Leadership (Q, D)
School Building Leadership/School District

Leadership (Q, D)
School Counseling (Q)
School District Leadership (Q, D)
Teaching Children with Disabilities in Childhood (Q)
Teaching Literacy B-6 (Q, SI, D) and non-certification
Teaching Literacy Grades 5-12 (Q, SI, D) and non-certification
Teaching English to Speakers of other languages (TESOL) PK-12 (Q, D)
Teaching Students with Disabilities 7-12 Generalist Subject Area Extensions (Q, SI)
Teacher Institute in ESL – CR-ITI (Q)
TESOL Special Education: CR-ITI (Q,D)
Check the School of Education website for new program offerings.

Doctoral Degree Programs Ed.D., and Ph.D.

Administration and Supervision (Ed.D.) (Q)
Curriculum and Instruction (Ph.D.) (Q)
Instructional Leadership (Ed.D.) (Q)
Literacy (Ph.D.) (Q)

Academic Information

Admission Requirements

Applicants seeking admission to graduate degree programs should consult specific program descriptions for admission requirements.

All students interested in applying for a program at any location should apply online at www.stjohns.edu/admission/graduate/apply. Effective March 2022, not all graduate programs require a standardized graduate admission exam as part of the application review process. Please follow the admissions checklist at <https://grad.stjohns.edu/apply/> Deadlines for applications vary by program. Deadlines for applications for all educational programs: Fall—August 17; Summer—May 15; Spring—January 5. Deadlines for applications for all Counseling programs: Fall—March 1 and Spring—October 1. Please see Counselor Education Department for specific information on counseling program deadlines.

Ph.D. in Curriculum and Instruction offers fall admission only and Ph.D. In Literacy offers fall admission only.

Ed.D. doctoral applications, together with supporting credentials, must be filed by July 15 for the subsequent year. The Ph.D.s in Literacy and in Curriculum & Instruction admit students on an ongoing basis.

General Program Requirements

Students enrolled in classes which carry three semester credits but which meet only two hours per week are required to submit a research paper or some equivalent research project before credit may be given.

Requirements for the Master's Degree

1. Minimum of 33 or more semester hours in appropriate graduate course work as noted in each program description. This course work is planned under the direction of an assigned advisor. The number of transfer credits varies by program.
2. A minimum of a "B" (3.0) in all course work.
3. Residency requirements are set according to the requirements of each individual Master's program.
4. Continuous enrollment and completion of all requirements within a five-year period.
5. For information on advanced and/or transfer credit, please consult the "Academic Information" section.
6. Passing a thesis, comprehensive exam, portfolio, or national exam is required as per each designated program.

Requirements for the Advanced Certificate

1. The number of required credits beyond an appropriate master's degree is specific to each program. This course work is planned under the direction of an assigned advisor. The number of transfer credits varies by program.
 2. A minimum of a "B" (3.0) average in all course work.
 3. Residency requirements are set according to the requirements of each individual Advanced Certificate program.
 4. Continuous enrollment and completion of all requirements within a five-year period.
 5. For information on advanced and/or transfer credit, please consult the "Academic Information" section.
 6. For the Bilingual Extension, a Bachelor's degree and initial teacher certification are required.
- Please note: No federal aid is available for certificates of fewer than 15 credits.

Requirements for the Doctoral Degrees

Ed.D. Department of Administrative and Instructional Leadership

Programs of study for this degree require coursework distributed among areas of specialization related fields and research. The programs require the successful completion of a comprehensive examination. The degree

requirements also include the preparation and submission of an acceptable professional problem-oriented doctoral dissertation and its oral defense.

The Ed.D. requires:

1. A minimum of 60 semester hours beyond the Master's degree in approved graduate course work planned under the direction of an assigned advisor. Fulfillment of a full-time residency requirement as specified in the Academic Regulations of the University and the completion of a minimum of 45 degree credits at St. John's University. The residency requirements can be met through various approaches approved by the advisor and department chair.
2. A minimum of a "B" (3.0) average in every course. Students who earn a B- or below are required to retake the course for credit. Students earning more than two course grades of B- or below may be subject to dismissal from the program
3. Successful completion of a comprehensive written examination. This examination may not be taken earlier than the course work and last two semesters of coursework and once all research courses have been taken must be taken within one year of the of all course work. In case of failure, one re-examination may be permitted upon the recommendation of the department chair.
4. Passage to Candidacy: A doctoral student acquires the status of "candidate" after they have successfully completed all course work, have taken and passed the doctoral comprehensive examination and have received approval of a dissertation proposal by the dissertation committee and the dean.
5. All degree requirements must be completed no later than three years from the successful completion of the comprehensive examination requirement.
6. Continuous enrollment requirement. Students are required to complete all degree requirements within eight years. In addition, all remaining degree requirements must also be completed after the successful completion of the comprehensive examination.
7. A successfully defended and published dissertation, approved by the dean, presenting evidence of a substantial contribution to existing knowledge as a result of personal research and its oral defense.
8. A successfully defended and published dissertation.
9. The final requirement for program completion and conferral of a degree requires an approved manuscript by University Libraries for publication.

Ph.D. in Curriculum & Instruction

1. The Ph.D. in Curriculum and Instruction is a 45-credit post-Master's degree program comprised of four strands: Teaching, Learning, and Knowing; Early Childhood; Global Education; and STEM Education. Students will select one or more of the four strands and contemplate, investigate, and refine understandings of educational research, practice, theory, and policy.
2. The successful candidate will complete and pass all coursework and a qualifying examination. Additionally, the successful candidate will engage in original research and successfully complete and pass a dissertation proposal, a dissertation proposal oral defense, a doctoral dissertation and doctoral dissertation oral defense.
3. The coursework includes 39 credits (13 Curriculum and Instruction courses) prior to the dissertation: Four courses (8000, 8001, 8002, and 8010) have a two-semester requirement (i.e., 1.5 credits for each semester; 3 credits for each academic year). Students are expected to take each of these year-long courses without interruption.
4. The qualifying examination requires doctoral students to complete a comprehensive review and synthesis of literature, methods, and theories related to their coursework and developing research interests. Students identify foundational studies, methods, and theories and distinguish how their proposed research will contribute to the field, a process that should inform the development of the dissertation proposal. Students must successfully complete and pass the qualifying examination before they may defend their dissertation proposal.
5. Enrollment in Dissertation Proposal Seminar (EDU 8010) is mandatory and completed prior to the dissertation proposal defense.
6. A dissertation proposal is developed in conjunction with dissertation proposal chair and dissertation proposal committee. The dissertation proposal topic should be congruent with and built upon the student's research, scholarly interests, strand(s) of study, and experiences. Additionally, the topic should demonstrate a commitment to scholarship that is responsive to critical issues related to teaching and learning and offer a substantive contribution to the field.
7. A successful oral defense of the dissertation proposal and, thus, advancement to candidacy, is required prior to enrollment in EDU 8011 and 8012 and commencement of the dissertation.
8. After successfully completing and passing EDU 8011 and EDU 8012, which includes submitting multiple drafts of dissertation

chapters, the candidate will confer with their dissertation chair and dissertation committee members to determine when the dissertation defense may be scheduled. The dissertation defense occurs when all of the committee members have reviewed the dissertation and agreed that the dissertation is ready for examination. The dissertation chair will authorize the student to schedule the oral dissertation defense.

9. Following the approval of the dissertation committee after a successful oral dissertation defense and after the successful completion of the revisions, the candidate will prepare the dissertation for publication. Then, the candidate may file for graduation.
10. All requirements must be completed within eight years from the date of matriculation. All degree requirements also must be completed no later than three years after the successful completion of the qualifying examination. A minimum grade of a B (GPA = 3.0) is required in every course to maintain academic status.
11. Final requirement for program completion and conferral of the degree requires an approved manuscript by University Libraries for publication.

Ph.D. in Literacy in the Department of Education Specialties

The program is grounded in the study of theory, of the nature of at-risk and diverse populations, and of sophisticated research methodologies. The study of theory will encompass various and diverse models of literacy acquisition and the nature and complexity of the essential components of literacy (i.e., phonemic awareness, phonics, comprehension, fluency, vocabulary, and writing process interactions with differing populations). The study of at-risk and diverse populations will occur throughout doctoral level coursework. Within the research course offerings, candidates study design and method within both qualitative and quantitative research.

The degree requires successful completion of the comprehensive examination. The degree requirements also include the preparation and submission of an acceptable research-based doctoral dissertation and its oral defense.

1. A minimum of a "B" (3.0) average is required in all coursework to maintain academic status. Students who earn a B- or below are required to retake the course for credit. Students earning more than two-course grades of B- or below may be subject to dismissal from the program.
2. Passage of Candidacy. A doctoral student acquires the status of a Candidate after they have successfully completed all coursework

and have received the approval of the dissertation proposal from the faculty committee, the IRB, and the Dean. Each student is paired with a mentor who will serve as the student's advisor through the dissertation process. The student and their mentor request the appointment of a dissertation research committee. This committee, composed of the mentor and from two to five committee members, will have primary responsibility to guide the student in the preparation of the dissertation.

3. All degree requirements must also be completed no later than three years after the Dissertation Seminar.
4. Enrollment in Dissertation Seminar (EDU 3292/3293) is mandatory until the degree is awarded. Students must register for three credits for each semester until graduation.
5. An approved dissertation offering a substantial contribution to the professional literature and to existing knowledge is accomplished as a result of the student's personal research.
6. A successful oral defense of the dissertation generally results in its approval by the faculty. At this point, final corrections are made, and the dissertation is prepared for publication.
7. The final requirement for program completion and conferral of the degree requires an approved manuscript by University Libraries for publication.

Advisement and Statement of Degree Requirements

When an applicant has been accepted into a degree or diploma program, he/she is assigned an advisor. The student's letter of acceptance will specify the advisor's name. As soon as possible after receiving the letter of acceptance but no later than the end of the first semester of course work, the student must meet with his/her advisor and secure an approved program of study which meets the needs and interests of the student and satisfies the degree or diploma requirements of The School of Education and the State of New York.

Academic Standing

A student is in good academic standing if they are enrolled as a matriculated student in a program of study leading to a degree, diploma, or certificate and are making satisfactory progress toward the completion of the program of study.

There is a probationary status for all students who enroll with a cumulative average less than 3.0 but who in the judgment of the dean are considered capable of making acceptable progress toward a 3.0 cumulative grade point

average and are permitted to continue on a matriculated basis. Probationary students must achieve a B or better in the first 12 credits earned in order to continue in the program.

Students are not eligible to graduate unless they have earned a 3.0 GPA.

Academic Dismissal

All students who earn less than a cumulative 3.0 grade point average (GPA) in a semester will automatically be placed on academic probation. Probationary students must obtain a 3.0 GPA or higher within the next semester in order to continue in the program. Students may be academically dismissed from a program if they fail to maintain a 3.0 GPA or higher during their probationary period.

Attendance Policy

Regular and prompt attendance is expected of all students. Absence from class does not excuse a student from work missed. Students are, therefore, responsible for all announced tests and for submitting all assignments at the proper times. Students should refer to course syllabi for specific attendance policies.

Full-Time Study

Full-time study shall mean enrollment for at least 9 credits (or the equivalent) each semester (cf. Admissions: Full-Time Study). In The School of Education, independent or individualized study, practice teaching, graduate assistantships or fellowships, dissertation research and language proficiency courses may all be considered as contributing appropriately toward full-time study on a credit hour equivalent basis, if required or approved by the dean in a plan developed in conjunction with the advisor and prefiled by each student. Independent or individualized study may include such items as participation in internships, research projects, writing journal articles or other scholarly activities undertaken with the approval of the chair and dean, under the supervision of a member of the faculty.

Note: Inquire with the Dean's Office for more information regarding full-time status requests for financial aid and student visa requirements.

Residence

Each student pursuing the Master's Degree or Advanced Certificate must complete 18 semester hours in a two-year period. Each student pursuing the Doctor of Education degree must satisfy a residency requirement. The residency requirement can be met through various approaches, approved by the advisor and department chair. The residence requirement for the doctoral degree insures that students become immersed in the scholarly activity of their area of

specialization. This immersion plays a vital role in the development of students as scholars, and although important in relation to the courses required for the degree, it is also quite distinct from them. Since degree course credit requirements are always expressed in terms of minimums, a student may at times, in order to fulfill the residence requirement, find it necessary to enroll in course work beyond the minimum listed for the degree.

Comprehensive Examination Requirements

All Master's programs, and some Doctoral programs, have a culminating or capstone assessment. Please refer to individual program requirements on the following pages.

New York State Certification and Licensure of Teachers, Administrators, School Counselors, and Clinical Mental Health Counselors

The School of Education offers professional preparation programs that meet the requirements for institutional endorsement for New York State certification in teaching, counseling and administration. Students are expected to assume responsibility for ascertaining their eligibility for certification and/or licensure, and are urged to confer with their advisors early in their programs to ascertain their status, since completion of the degree or diploma does not mean automatic fulfillment of New York State certification and New York City licensure requirements. Students who complete all program requirements must apply online at the TEACH website at [higher.ed.nysed.gov/tcert/teach/](https://www.nysed.gov/tcert/teach/). In addition, students must request institutional endorsement at the end of their program by submitting an Institutional Request Authorization Form (IRAF) via: <https://www.stjohns.edu/institutionalrelease-authorization-form-iraf-nys-certification-endorsement-approved-preparation>. Institutional endorsements (college recommendations) are provided upon conferral of degrees in May, September and January.

The New York State Education Department requires passing scores on the Educating All Students Test, Content Specialty Tests, and an internal Teacher Performance Assessment (either on or before September 1, 2023, replacing the ATS-W).

New York State requirements for teaching, counseling, and administration mandate that

applicants furnish evidence of completion of the following workshops for educator certification: Child Abuse Identification and Reporting, Dignity for All Students Act (DASA), School Violence Prevention, School Safety and Autism (special education students only). Students must also provide evidence of completion of content core (subject) coursework to be eligible for NYS certification in Adolescent and Middle School Education (30 credits) and TESOL (12 credits in a Language other than English).

Instructional Materials Center

The Instructional Materials Center (IMC) is a unique part of the University libraries that supports and enriches the programs of The School of Education. The IMC collects and disseminates specialized information for the students with the nationwide assemblage of curriculum guides, textbooks and accompanying materials, audio-visual teaching aids and hardware, three-dimensional learning tools, publisher and distributor catalogues, educational and psychological tests, computers and software.

The existence of the IMC should enable pre-service and in-service teachers to examine the latest curriculum materials available in order to develop competency and familiarity. It is located on the fourth floor of the Queens main library.

Note: The School of Education reserves the right to make adjustments on a case-by-case basis.

Department of Administrative and Instructional Leadership

The Department of Administrative and Instructional Leadership offers programs in Administration and Supervision, as well as Instructional Leadership.

Programs of study offered in Administration include the School Building Leader (SBL) Master's Degree, the School Building Leader (SBL) Advanced Certificate, the School District Leader (SDL) Advanced Certificate, the Dual (SBL/SDL) Advanced Certificate, and the Doctoral Degree (Ed.D.) in Administration and Supervision. Instructional Leadership Programs include an Advanced Certificate in Instructional

Leadership and a Doctoral Degree (Ed.D.) in Instructional Leadership.

The programs in SBL and SDL are certified by New York State and nationally accredited. The SBL Master's degree and Advanced Certificates are offered through Online Learning as well as in the traditional classroom setting.

The Department offers a 12-credit Advanced Certificate in Gifted/Talented Education. These courses assist teachers in securing the NYS DOE extension in the teaching of the gifted. These courses are offered through Online Learning as well as in the traditional classroom setting. This extension to the teaching license can be secured with 12 credits in gifted education courses and a passing score on the Content Specialty Test (CST).

Administrative and Supervision Programs (M.S., A.C., Ed.D.)

Objectives

Programs offered lead to the Master of Science in Education degree, the Advanced Certificate and the Doctor of Education degree. The School Building Leader Master of Science program is designed to prepare students for New York State Certification as a School Building Leader (SBL). The School District Leader Advanced Certificate program is designed to prepare students for New York State Certification as a School District Leader (SDL). New York State has mandated exams for these certifications. Each student seeking SBL and/or SDL certification must take and pass the appropriate State exams in order to receive certification. Please check the New York State Department of Education website for the most up-to-date information on certification.

Admission Requirements for Educational Administration and Supervision

School Building Leader Master of Science Program

The School Building Leader Master of Science Degree consists of 21-graduate credit core in School Administration, an intensive 3-credit Internship, a 1-credit exam prep Capstone course and an additional 9 graduate credits in School Administration or related field for a total of 34 graduate credits. Important note: The New York State Department of Education requires students to have three years of teaching and/or pupil personnel services experience in order to be eligible for School Building Leadership certification.

Entry requirements include:

1. A baccalaureate degree from an accredited college or university.
2. 3.0 GPA in the general average and in the major field.
3. Resume.
4. A minimum of three years of successful teaching experience and/or pupil personnel services.
5. New York State Permanent/Professional Teaching Certification is required if the student intends to complete the program for SBL certification.

Option: Certification as a School Building Leader and Professional Certification as a Teacher.

The student is required to complete a 21–graduate credit core in School Administration, an Intensive 3–credit Internship, a 1–credit exam prep and an additional 9 credits in graduate education courses in the content core of the initial certificate or in a related content area or in pedagogy courses as prescribed by New York State for a total of 34 graduate credits.

School Building Leader Advanced Certificate Program

Individuals holding a Master’s Degree in Education and initial teaching certification are eligible for the 22-credit SBL Advanced Certificate. The program consists of an 18-credit core in School Administration, an intensive 3-credit Internship, and a 1-credit exam prep Capstone course.

Entry requirements include:

1. A baccalaureate degree from an accredited college or university.
2. 3.0 GPA in the general average and in the major field
3. A minimum of three years of successful teaching experience and/or pupil personnel services
4. New York State Permanent/Professional Teaching Certification.
5. A master’s degree with a minimum 3.0 GPA from an accredited institution.
6. Resume
7. Two Letters of recommendation

School District Leader Advanced Certificate Program

The Advanced Certificate in School District Leadership is a 31-credit program, including 27 credits of course work, an intensive 3-credit internship at the District Level, and a 1-credit exam preparation Capstone course. Important note: The New York State Department of Education requires a students to have three years of teaching, pupil personnel services and/ or School Building leadership experience order

to be eligible for School District Leadership.

Entry requirements include:

1. A baccalaureate degree from an accredited college or university.
2. 3.0 GPA in the general average and in the major field.
3. A minimum of three years of successful teaching experience, pupil personnel services and/or school building leadership
4. New York State Provisional or Initial Teaching Certification or certification in pupil personnel services.
5. A master’s degree with a minimum 3.0 GPA from an accredited institution.
6. Resume
7. 2 letters of recommendation

Thirty credits earned in the A.C. Program at St. John’s University may be applied toward their Ed.D. Program should individuals wish to pursue further study.

Requirements for SBL/SDL Dual Advanced Certificate

The Dual Advanced Certificate is a 35-credit program, including 27 credits of coursework required for the School Building Leadership and School District Leadership State Certifications, an intensive 3-credit internship in School Building Leadership and an intensive 3-credit internship in School District Leadership. Students must also complete two one-credit intensive review and exam preparation Capstone courses in SBL and SDL. In order to receive both certifications, students must take and pass the New York State School Building Leader and School District Leader examinations. Entry requirements include:

1. A baccalaureate degree from an accredited college or university
2. 3.0 GPA in the general average or in major field.
3. A minimum of three years of successful teaching experience, pupil personnel services, and/or school building leadership
4. New York State permanent or professional certificate in teaching service or pupil personnel services.
5. A master’s degree with a minimum 3.0 GPA from an accredited institution.
6. Resume
7. 2 letters of recommendation

Doctoral Program

The doctoral program in Educational Administration and Supervision at St. John’s University is an advanced professional degree program open to carefully selected and highly qualified graduate students who have manifested professional maturity and demonstrated academic ability and who are

seeking to upgrade their professional preparation and acquire specialized knowledge and skills necessary for assuming administrative positions and leadership roles in Pk-12, higher education, and in related educational organizations.

The doctoral courses, seminars, leading to the doctoral degree in the Department of Administrative and Instructional Leadership are designed for matriculated students and require faculty approval to enroll.

Entry requirements include:

1. A master’s degree in education or related field from an accredited college or university, with a minimum 3.0 GPA,
2. Personal statement describing your reason for pursuing graduate study and leadership objectives
3. A profile of professional accomplishments and leadership potential developed over a minimum of 3 years of professional experience.
4. Successful performance in an interview with members of the department’s Graduate Policy Committee.
5. Evidence of scholarship, research and writing skills as manifested in samples of term papers or other scientific papers and performance in courses in research and statistics, if available.
6. Three professional or academic letters of recommendation.
7. Resume

Programs of Study

School Building Leader Master of Science Program

Prerequisite: Please see admission requirements.

Credit Hours: 34 credits

Note: Students not seeking NY State Certification will be required to sign a waiver agreement.

I. Administration Core: 21 Credits

- EDU 5415 Introduction to Educational Administration
- EDU 5651 School Community Relations in Education
- EDU 5471 Leadership in Instructional Supervision
- EDU 5571 Administrative Leadership and Planned Change
- EDU 5650 School Based Data Analysis
- EDU 5791 Legal Aspects of the

Administration of Schools
EDU 5761 School Business Administration

II. Administration Specialization: 9 Credits

EDU 5418 Administrative Theory in Education
EDU 5743 Educational Planning: An Integration of Professional Capital Agendas
EDU 5811 Administration and Supervision of Services for Diverse Students
OR

Nine hours of electives in master level courses area of Initial certification or in related content area.

Suggested Specialization Graduate Courses in a Content Area: 9 credits

Early Childhood Ed.	7122	7126	7128
Gifted and Talented Ed.	7410	7411	7412
TESOL Ed.	7000	9002	9004
Instr Technology Ed.	7665	7666	7667

III. School Building Leader Internship: 3 credits.

EDU 5950 School Building Leader Internship

The internship program in School Building Leadership at St. John's University is fully integrated into the master's degree. These hours are divided in the following manner:

Part I — Students taking core courses must complete 45 hours of integrated internship activities for every core course. When all coursework has been completed, the student should have logged at least 270 internship hours, fulfilling the requirements of *Part I of the Internship Program*.

Part II — The remaining 270 hours will be fulfilled in an intensive internship: EDU 5950. The application form and the internship proposal must be completed and must be signed by the school/district administrator or supervisor. The application form and the proposed program must be submitted to the coordinator of the internship program, Department of Administrative and Instructional Leadership, St. John's University, at least one month prior to the session in which the applicant plans to carry out their internship.

IV. Capstone Course: 1 Credit

EDU 5499 General Review and Exam Preparation

The General Review and Exam Preparation involves a review of all of the state objectives in preparation for the state certification exams.

V. NY State SBL Exam

Students seeking NYS SBL certification must successfully complete the state exam in addition to completing the Master's Degree.

School Building Leader Advanced Certificate Program

Minimum Credits Hours: 22 credits

Note: Students not seeking NY State Certification will be required to sign a waiver agreement.

Required Program of Study

I. Administration Core: 18 Credits

EDU 5471 Leadership in Instructional Supervision
EDU 5571 Administrative Leadership and Planned Change
EDU 5650 School Based Data Analysis
EDU 5743 Educational Planning: An Integration of Professional Capital Agendas
EDU 5761 School Based Business Administration for Administrators and Supervisors
EDU 5791 Legal Aspects of the Administration of Schools

II. School Building Leader Internship: 3 credits.

EDU 5950 School Building Leader Internship

The internship program in School Building Leadership at St. John's University is fully integrated into the master's degree. These hours are divided in the following manner:

Part I — Students taking core courses must complete 45 hours of integrated internship activities for every core course. When all coursework has been completed, the student should have logged at least 270 internship hours, fulfilling the requirements of Part I of the Internship Program.

Part II — The remaining 270 hours will be fulfilled in an intensive internship: EDU 5950. The application form and the internship proposal must be completed and must be signed by the school/district administrator supervisor. The application form and the proposed program must be submitted to the coordinator of the internship program, Department of Administrative and Instructional Leadership, St. John's University, at least one month prior to the session in which the applicant plans to carry out their internship.

III. Capstone Course: 1 Credit

EDU 5499 General Review and Exam Preparation

The General Review and Exam Preparation involves a review of all of the state objectives in preparation for the state comprehensive exams.

School District Leader Advanced Certificate Program

Minimum Credit Hours: 31 credits

Required Program of Study

I. Administration Core: 27 Credits

EDU 5103 Educational Governance and Policy Issues
EDU 5301 Leadership Values, Decision Making and Multicultural Organizations
EDU 5632 Organization and Administration of the Elementary and Secondary School Curriculum
EDU 5655 Educational Research and Data Analysis I
EDU 5741 Finance in Education
EDU 5761 School Based Business Administration For Administrators and Supervisors
EDU 5791 Legal Aspects of the Administration of Schools
EDU 7665 Leadership in Technology I
EDU 7708 Trends and Techniques in the Evaluation of Programs

II. School District Leader Internship: 3 credits.

EDU 5951 School District Leader Internship

The internship program in School District Leadership at St. John's University is fully integrated into the professional diploma. The total number of hours for completion of the internship program is 540 hours. These hours are divided in the following manner:

Part I — The first 270 hours will be embedded in the degree coursework. Students taking core courses must complete 45 hours of integrated internship activities for every core course. These activities are course requirements given to students in class. When all coursework has been completed, the student should have logged at least 270 internship hours, fulfilling the requirements of *Part I of the Internship Program*.

Part II — The remaining 270 hours will be fulfilled in a descriptive internship: EDU 5951. The application form and the internship proposal must be completed and must be signed by the school/district administrator responsible for the internship or supervisor. The application form and the proposed program must be submitted to the coordinator of the internship program, Department of Administrative and Instructional Leadership, St. John's University, at least two months prior to the session in which the applicant plans to carry out their internship.

III. Capstone Course: 1 credit

EDU 5599 General Review and Exam Preparation in SDL

The General Review and Exam Preparation involves a review of all of the state objectives in preparation for the state comprehensive exams.

SBL/SDL Dual Advanced Certificate Program

Credit Hours: 35

Note: Students not seeking NY State Certification will be required to sign a waiver agreement.

I. Administration Core: 27 Credits

EDU 5571 Administrative Leadership and Planned Change
EDU 5301 Leadership Values, Decision-making and Multicultural Organizations
EDU 5103 Educational Governance and Policy Issues
EDU 5471 Leadership in Instructional Supervision
EDU 5650 School Based Data Analysis
EDU 5743 Educational Planning: An Integration of Professional Capital Agendas
EDU 5761 School Based Business Administration for Administrators and Supervisors
EDU 5791 Legal Aspects of the Administration of Schools
EDU 5811 Administration and Supervision of Services for Diverse Students

II. Internships: 6 Credits

EDU 5950 School Building Leader Internship
EDU 5951 School District Leader Internship

[Requirements are delineated above]

III. Capstone Courses: 2 credits

EDU 5499 General Review and Exam Preparation SBL
EDU 5599 General Review and Exam Preparation SDL

IV. NY State SBL/SDL Exams

The General Review and Exam Preparation involves a review of all the state objectives in preparation for the state comprehensive exams.

Doctoral Program in Educational Administration and Supervision

Credit Hours: 60 beyond master's degree (minimum)

Students enrolled in the doctoral program who desire certification at either the School Building Leader or School District Leader level, will be

advised of any additional coursework needed to meet State requirements. Upon completion of the certification program requirements, the student would be recommended for certification. Students are advised to complete certification requirements prior to completion of their doctoral program.

Required Courses

I. Core: Choose 4 of 6 Courses: 12 credits

EDU 5301 Leadership Values, Decision-Making and Multicultural Org.
EDU 5556 Psychology and Development of Students in Higher Education
EDU 5701 Critical Analysis and Review of Research in Education
EDU 7004 Essential Readings in Curriculum from the 20th Century
EDU 7005 Culturally Relevant Pedagogy and Curriculum
EDU 7412 Teaching Creative Thinking and Problem Solving to G&T Students

II. Required 3 Credits: To Be Taken In Second or Third Semester

EDU 7559 Introduction to Doctoral Research

III. Required Research Methodology: 15 credits

EDU 5655 Educational Research and Data Analysis I
EDU 7211 Educational Research and Data Analysis II (Prereq. 5655)
EDU 7900 Qualitative Research Methods in Education (Prereq. 5655)
EDU 7901 Educational Research and Data Analysis III (Prereq. 5655 and 7211)
EDU 7800 To Survey Research (Prereq. 5655 and 7211)
OR
EDU 7902 Advanced Qualitative Research in Ed (Prereq. 5655 and 7900)

IV. Areas of Specialization: 15 credits (choose any 5 courses)

EDU 5471 Leadership in Instructional Supervision
EDU 5632 Organization and Admin. of Elem. and Secondary School Curricula
EDU 5650 School Based Data Analysis
EDU 5741 Finance in Education
EDU 5743 Educational Planning: An Integration of Professional Capital Agendas
EDU 5761 School-Based Business Administration for Administrators and Supervisors
EDU 5811 Administration and Supervision of Services for Diverse Students
EDU 5551 Organization and Administrative Leadership in Higher Ed

EDU 5552 Issues and Problems in the Administration of Higher Ed
EDU 5554 Global Studies and Distance Education in Higher Ed
EDU 5555 Data Management and Accountability in Higher Ed
EDU 5557 Recruitment, Retention and Academic Advisement in Higher Ed
EDU 5980 Special Topics in Educational Leadership
EDU 7005 Culturally Relevant Pedagogy and Curriculum
EDU 7666 Developing Curriculum Materials for the Web
EDU 7669 Leadership in Technology II
EDU 7715 Issues in Curriculum: Theory and Development
EDU 7410 Identification of the Gifted and Talented
EDU 7411 Intro to Designing Programs, Curriculum and Materials for G&T
EDU 7412 Teaching Creative Thinking and Problem Solving to G&T Students
EDU 7413 Professional Collaboration and Leadership in Gifted Education

V. Internship Seminar/Independent Study: 3-6 credits

EDU 5950 Internship Seminar in SBL
EDU 5951 Internship Seminar in SDL
EDU 5890 Independent Study A&S

VI. Behavioral and Social Sciences component: 6 credits—relevant courses approved by Faculty Advisor (e.g. Anthropology, Sociology, Speech, Business, Linguistics etc)

VII. Full-time Residency Verification

VIII. Doctoral Level Comprehensive Examination Completed

IX. Doctoral Research Seminar Enrollment in EDU 5990 is required for 3 semesters (9 credits) or until defense is successfully completed.

EDU 5990 Doctoral Research Seminar
Minimum of 60 credits must be completed. EDU 5990 may not be taken with other courses in a semester, unless approved by the department chair and the student's advisor.

Instructional Leadership Programs: (A.C., Ed.D.)

The advanced degree programs in Instructional Leadership have been designed to provide students with an intellectual environment that enables them to take leadership positions in the areas of curriculum, learning and instruction.

Students are expected not only to reflect upon and improve their own professional practices but also to develop leadership in facilitating the growth and development of other educators.

Admission Requirements for Instructional Leadership

Advanced Certificate

Entry requirements include:

1. A master's degree in education or related field from an accredited college or university, with a minimum 3.0 GPA.
2. A minimum of three years' experience in education or related field.

Students whose background and preparation manifest deficiencies in professional courses and teaching experience may be required to complete additional credit hours and are advised to consult with the chair of the department to secure approval of their programs and degree requirements. Please note that this degree does not result in New York State certification.

Doctoral Program (Q)

The doctoral program in Instructional Leadership at St. John's University is an advanced professional degree open to carefully selected and highly qualified graduate students who have manifested professional maturity and demonstrated academic ability, and who are seeking to upgrade their professional preparation and acquire specialized knowledge and skills necessary for leadership roles in various areas of education.

Entry requirements include:

1. A master's degree in education or related field from an accredited college or university with a minimum 3.0 GPA
2. Personal statement describing your reason for pursuing graduate study and leadership objectives.
3. A profile of professional accomplishments and leadership potential developed over a minimum of 3 years of professional experience.
4. Successful performance in an interview with members of the department's Graduate Policy Committee.
5. Evidence of scholarship, research and writing skills as manifested in samples of term papers or other scientific papers and performance in courses in research and statistics if available.
6. Three professional or academic letters of recommendation
7. Resume

Programs of Study

Advanced Certificate in Instructional Leadership

Credit Hours: 30 Credits beyond Master's

I. Core Components: 12 credits

Students must complete four out of five courses for 12 credits of the following:

EDU 7004	Essential Readings in Curriculum from the 20th Century
EDU 7411	Designing Programs, Curriculum and Materials for the Gifted and Talented
EDU 7579	Observational Analysis for Teachers
EDU 7665	Leadership in Technology I
EDU 7708	Trends and Techniques in the Evaluation of Programs

II. Areas of Interest: 18 credits (choose any 6 courses)

EDU 5301	Leadership, Values, Decision Making and Multicultural Organizations*
EDU 5471	Leadership in Instructional Supervision*
EDU 5551	Organization and Administrative Leadership in Higher Education
EDU 5552	Issues and Problems in the Administration of Higher Education
EDU 5632	Organization and Administration of Elem. and Secondary School Curricula*
EDU 5650	School Based Data Analysis*
EDU 5743	Educational Planning: An Integration of Professional Capital Agendas
EDU 7715	Issues in Curriculum: Theory and Development
EDU 7410	Identification of the Gifted and Talented*
EDU 7412	Teaching Creative Thinking and Problem Solving to Gifted and Talented Students
EDU 7413	Professional Collaboration and Leadership in Gifted Education
EDU 7662	Issues in Educational Computing
EDU 7667	Foundations of Instructional Design
EDU 7669	Leadership in Technology II

Other electives may be taken with the approval of the advisor and department chair.

III. Administration Courses (6–15 Credits).

Students interested in certification must see advisor for details. Transfer credits may be accepted.

*Internship Courses

Doctoral Program (Ed.D.) in Instructional Leadership

I. Core: Choose 4 of 6 Courses – 12 credits

EDU 5301	Leadership Values, Decision Making and Multicultural Org.
EDU 5556	Psychology and Development of Students in Higher Education
EDU 5701	Critical Analysis and Review of Research in Education
EDU 7004	Critical Analysis and Review of Research in Education
EDU 7005	Culturally Relevant Pedagogy and Curriculum
EDU 7412	Teaching Creative Thinking and Problem Solving to G&T Students

II. Required 3 Credits – To Be Taken In Second or Third Semester

EDU 7559	Introduction to Doctoral Research
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III. Required Research Methodology: 15 credits

EDU 5655	Educational Research and Data Analysis I
EDU 7211	Educational Research and Data Analysis II (Prereq. 5655)
EDU 7900	Qualitative Research Methods in Education (Prereq. 5655)
EDU 7901	Educational Research and Data Analysis III (Prereq. 5655 and 7211)
EDU 7800	Survey Research (Prereq. 5655 and 7211) OR
EDU 7902	Advanced Qualitative Research in Ed (Prereq. 5655 and 7900)

IV. Areas of Specialization: Students must complete 15 credits. An Independent Study and/or Special Topics course may be taken in the Area of Specialization.

(a) Curriculum and Instruction Sequence: 6–12 Credits

EDU 5632	Organization and Admin. of Elem. and Secondary School Curricula
EDU 5743	Educational Planning: An Integration of Professional Capital Agendas
EDU 7980	Independent Study INL
EDU 7715	Issues in Curriculum: Theory and Development

(b) Instructional Technology Sequence: 6–12

EDU 7662	Issues in Educational Computing
EDU 7666	Developing Curriculum Materials for the Web
EDU 7667	Foundations of Instr Design for Tech-Supported Learning
EDU 7669	Leadership in Technology II

**(c) Higher Education Sequence:
6–12 Credits**

- EDU 5551 Organization and Administrative Leadership in Higher Ed
EDU 5552 Issues and Problems in the Administration of Higher Ed
EDU 5553 Financial Management in Higher Ed
EDU 5554 Global Studies Programs and Distance Ed. In Higher Ed
EDU 5555 Data Management and Accountability in Higher Ed
EDU 5557 Recruitment, Retention and Academic Advisement in Higher Ed
EDU 5558 Fac-Stu Relations and Pedagogical Models in Higher Ed

(d) Exceptional and Diverse Learners Sequence: 6–12 credits. For specialization select courses in any 2 areas:

Area: Educational Issues of Gifted and Talented

- EDU 7410 Identification of the Gifted and Talented
EDU 7411 Introduction to Designing Programs, Curriculum and Materials for the G&T
EDU 7413 Professional Collaboration and Leadership in Gifted Education

Area: Educational Issues of Students with Disabilities

- EDU 9700 Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Education
EDU 5811 Administration and Supervision of Services for Diverse Students
EDU 9713 Theories of Learning and Development Related to Special and Gifted Populations

Area: Educational Issues of Culturally/Linguistically Diverse Students

- EDU 9002 Psychology and Sociology of Language and Bilingualism
EDU 9004 Content Area Instruction for Linguistically/Culturally Diverse Learners
EDU 7000 Psychological Foundations of Learning

(e) Administration Sequence: 6–15 Credits. See advisor for administrative course listing. Advanced Standing credits may be applied.

- EDU 7890 Special Topics in Educational Leadership

V. Behavioral and Social Sciences Component: 6 Credits Relevant courses approved by Faculty Advisor (e.g. Anthropology, Sociology, Speech, Business, Linguistics etc.)

VI. Full-time Residency Verification

VII. Doctoral Level Comprehensive Examination Completed

VIII. Doctoral Research Seminar (EDU 7990) – Enrollment in three credits is required each semester until dissertation defense is successfully completed.

- EDU 7990 Doctoral Research Seminar
*Minimum of 60 credits must be completed. EDU 7990 may not be taken with other courses in a semester, unless approved by the Department Chair.

Methods of Teaching in the Middle Grades

A 12-credit sequence of courses leads to New York State Certification for Gifted Education, which is an extension of an initial teacher certification. Individuals with a baccalaureate degree in Education or closely related field may take the 12-credit sequence.

- EDU 7410 Identification of the Gifted and Talented
EDU 7411 Introduction to Designing Programs, Curriculum and Materials for G&T
EDU 7412 Teaching Creative Thinking and Problem Solving to Gifted Students
EDU 7413 Professional Collaboration and Leadership in Gifted Education

Department of Counselor Education

The Department of Counselor Education offers programs and coursework to prepare school counselors, school counselors with a bilingual extension, and clinical mental health counselors. The professional preparation coursework of 18 credits for entry into the Counseling programs varies depending on the specialization.

At the present time at the Queens campus, the department offers courses leading to a master's degree in each specialty. The School

Counseling and School Counseling with a bilingual extension are both 60 credits. The Clinical Mental Health Counseling degree is a minimum of 60 credits. The School Counseling program is also offered on the Staten Island campus. In addition to the master's degrees, there are Advanced Certificates offered on the Queens campus in the areas of School Counseling and Clinical Mental Health Counseling.

The programs in counselor education provide opportunities for graduate students to prepare themselves for counseling and leadership positions in a variety of settings. The programs provide an integrated approach to theory and practice and aim at meeting the professional education needs of both full-time and part-time students in the urban and suburban environments that the University serves. Students in each of the masters programs are required to pass the national Counselor Preparation Comprehensive Examination (CPCE) given by the Center for Credentialing and Education.

The two master's degree programs are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Both School Counseling programs meet the New York State certification requirements. The Clinical Mental Health Counseling program is approved by the New York State Office of Professions as meeting the educational requirement for the Mental Health Counselor license. The MEd in Clinical Mental Health Counseling also meets the educational requirements for the Credentialed Alcohol and Substance Abuse Counselor in Training (CASAC-T) in New York state. In addition to the master's degrees, there are Advanced Certificates offered in the areas of School Counseling and Clinical Mental Health Counseling on the Queens campus.

Some of the required and elective courses are also offered online.

School Counseling Programs

The School Counseling programs require 60-credit hours for the master's level including courses in a core body of knowledge, in the unique area of specialization, and appropriate field-based clinical experiences. The core courses focus on developing competencies in four areas: professional orientation, helping relationships, group methods and assessment. The specialization courses focus on developing competencies in human growth and development, cultural foundations, career development, research, consultation and evaluation, developmental school counseling,

and organizing and administering comprehensive counseling programs in schools. The field-based clinical experiences include both a one-semester practicum and a two-semester internship in school settings. The field-based courses focus on integrating theoretical and practical knowledge in order to effectively deliver professional counseling services to students, and their families and school personnel in K–12 settings. The School Counseling Programs are fully Accredited by The Council for the Accreditation of Counseling and Related Education Programs (CACREP).

The program in School Counseling is designed to prepare students to counsel children and youth in traditional and alternative programs in public and private elementary and secondary schools. The Bilingual Extension is intended for students fluent in English and a second language who want to counsel culturally and linguistically different youth in a variety of multiethnic/multicultural school settings.

Programs meet the academic requirements in New York State for permanent certification for Professional School Counselor and for Professional School Counselor with bilingual extension, respectively. In both cases, permanent certification also requires two years of full-time paid employment as a School Counselor or as a Bilingual School Counselor, as appropriate. However, both programs allow students to obtain provisional certification upon the completion of thirty credits of specified course work, that includes the practicum in School Counseling or Bilingual School Counseling. The Master's in School Counseling requires the completion of twelve credits of course counseling courses, nine credits of fieldwork, 36 credits of specialization courses, and three credits in Special Education. The Bilingual Extension requires the completion of 12 credits of core courses, nine credits of fieldwork, and 39 credits of specialization course. Students seeking Professional School Counselor certification in states other than New York State should become informed regarding certification requirements in those states and meet with their advisors to plan accordingly. Students in New York State must attend three workshops (Child Abuse Identification, School Violence Intervention and Prevention, and Dignity for All Students Act), as well as be fingerprinted before applying for provisional or permanent certification in New York.

Admission requirements:

1. A baccalaureate degree from an accredited college or university with undergraduate scholastic achievement indicating reasonable assurance of success in work for an

advanced degree. Normally this will be a "B" (3.0) both in the general average and in the major field.

2. A minimum of 18 credits in the behavioral and social sciences and/or professional education courses. Students who do not fully meet this requirement will need to make up deficit credits by completing course work in those areas, before beginning their third semester of study. These deficit credits are in addition to the usual program requirements.
3. Two letters of recommendation from college instructors or field supervisors.
4. An interview with counseling faculty.
5. The interest, ability and personality to function successfully in the field of counseling.
6. In addition to the above, applicants to the School Counseling with Bilingual Extension program must demonstrate language proficiency in both English and the target language by passing the New York State Bilingual Assessment (BEA) during the first year in the program. The BEA is required of candidates seeking a bilingual extension to a certificate.

All students in all programs must meet with their assigned program advisor before beginning course work to identify program requirements and complete program advisement forms. School counseling students are expected to join the American School Counseling Association and with that membership they will obtain the liability insurance required for the duration of their studies.

Core Courses (12 credits)

- EDU 6127 Introduction to Counseling
 EDU 6205 Group Dynamics
 EDU 6262 Assessment in Counseling
 EDU 6264 Counseling Skills and Techniques

School Counseling Program Specialization Courses (48 credits)

- EDU 6125 Brief Child and Adolescent Counseling
 EDU 6206 Psychosocial Development Across the Lifespan
 EDU 6207 Developmental Counseling
 EDU 6208 Counseling and Personality Theories
 EDU 6211 Crisis Counseling
 EDU 6301 Career Development
 EDU 6305 Practicum in School Counseling
 EDU 6307 Research in Counseling
 EDU 6364 Substance Use Counseling
 EDU 6464 Case Studies
 EDU 6530 Multicultural Counseling
 EDU 6590 Internship in School Counseling I

- EDU 6591 Internship in School Counseling II
 EDU 6595 Organization and Administration of Pupil Personnel Services
 EDU 6650 Consultation and Evaluation in Schools
 EDU 9711 Education and Accommodating Needs of Individuals with Exceptionalities, K–12

School Counseling with Bilingual Extension (48 credits)

- EDU 6125 Brief Child and Adolescent Counseling
 EDU 6206 Psychosocial Development Across the Lifespan
 EDU 6207 Developmental Counseling
 EDU 6208 Counseling and Personality Theories
 EDU 6211 Crisis Counseling
 EDU 6301 Career Development
 EDU 6306 Bilingual Practicum in School Counseling
 EDU 6307 Research in Counseling
 EDU 6364 Substance Use Counseling
 EDU 6464 Case Studies
 EDU 6530 Multicultural Counseling
 EDU 6592 Internship in Bilingual School Counseling I
 EDU 6593 Internship in Bilingual School Counseling II
 EDU 6595 Organization and Administration of Pupil Personnel Services
 EDU 6650 Consultation and Evaluation in Schools
 EDU 9001 Foundations of Bilingual and Second Language Education

Advanced Certificate in School Counseling

Admission Requirements:

In order to be eligible for the Advanced Certificate in School Counseling, applicants must have successfully completed a master's degree in counseling or its equivalent. Applicants should have a minimum of a 3.2 grade point average in graduate coursework and must submit two letters of recommendation with their application. An interview with counseling faculty is also required.

Program of Study:

Students who have completed a master's degree in counseling have the opportunity to earn the Advanced Certificate in school counseling. The program is designed to provide additional professional preparation for these individuals. Candidates will have their credentials evaluated by program faculty to determine which courses should be taken.

Clinical Mental Health Counseling Program

Clinical Mental Health Counseling Program the CACREP accredited Clinical Mental Health Counseling Program is designed to prepare students to become licensed professionals trained in counseling and psychotherapy to evaluate and treat individuals, couples, and families with mental and emotional disorders, as well as other behavioral changes. Mental health counselors work in private practice, group, and or organized stings. The program has been approved by the New York State Office of Professions as license qualifying. As a license qualifying program, the master's degree fulfills the educational requirement for licensure. There are two additional requirements that must be fulfilled before individuals can obtain the license as a mental health counselor. They must complete a minimum of three thousand hours of post-masters supervised experience relevant to the practice of mental health counseling and pass a state examination. Additional information can be found on this website: op.nysed.gov/prof/mphclic.htm

The Clinical Mental Health Counseling program requires 60 credit hours for the master's degree consisting of 45–48 hours of core knowledge, 9 credits of field-based experience courses (1 practicum and 2 internships) and 3–6 credits of elective coursework. Students who are seeking licensure in New York State are also required to complete coursework or training in the identification and reporting of child abuse. Such training is offered by a New York State approved provider.

Admission requirements:

1. A baccalaureate degree from an accredited college or university with undergraduate scholastic achievement indicating reasonable assurance of success in work for an advanced degree. Normally this will be a "B" (3.0) both in the general average and in the major field.
2. A minimum of 18 credits in psychology including courses in statistics and research. Students who do not fully meet these requirements will need to make up deficit credits by completing course work in those areas before beginning their third semester of study. These deficit credits are in addition to the usual program requirements.
3. Two letters of recommendation from college instructors or field supervisors.
4. An interview with counseling faculty.
5. The interest, ability and personality to function successfully in the field of counseling.

Program of study:

The master's degree program requires the completion of a 60-credit hour program and the successful completion of the required CPCE Exam. Since programs of study are designed to meet the unique needs of every student, students must meet with their assigned program advisor before beginning course work to identify program requirements and complete program advisement forms. Counseling students are required to join the American Mental Health Counseling Association, and with that membership they will attain the liability insurance required for the duration of their studies.. Typical 60-semester hour programs are indicated below:

Core Courses (45 credits)

EDU 6127	Introduction to Counseling
EDU 6205	Group Dynamics
EDU 6206	Psychosocial Development Across the Lifespan
EDU 6208	Counseling and Personality Theory
EDU 6262	Assessment in Counseling
EDU 6264	Counseling Skills and Techniques
EDU 6270	Case Conceptualization, Treatment Planning, and Psychopharmacology
EDU 6301	Career Development
EDU 6307	Research in Counseling
EDU 6324	Substance Use Counseling
EDU 6464	Case Studies
EDU 6530	Multicultural Counseling
EDU 6651	Foundations of Mental Health Counseling and Consultation
PSY 621	Psychopathology
PSY 636	Objective Personality Assessment

Elective Courses (6 credits)

Students in the Clinical Mental Health Counseling program may select 6 credits in elective courses. Elective courses must be approved by the student's advisor. Courses may be selected from within the counseling program or from another department, e.g., psychology, as long as they are related to the student's needs, interests, or career goals.

Examples of elective courses from within the counseling Program include:

EDU 6125	Brief Counseling of Children and Adolescents
EDU 6128	Counseling for Grief and Loss
EDU 6211	Crisis Prevention and Intervention
EDU 6314	Counseling and Special Education
EDU 6610	Spiritual Issues in Counseling and Psychotherapy

Examples of elective courses from within the psychology program include:

PSY 631	Psychoanalytic Psychotherapy
PSY 749	Behavior Therapy
PSY 760	Marital and Family Therapy

PSY 838	Addictive Behaviors
PSY 845	Group Therapy
PSY 580	Cognitive Therapy

Advanced Certificate in Clinical Mental Health Counseling

The Advanced Certificate in Clinical Mental Health Counseling was designed to enable candidates who hold a master's degree in counseling in an area other than mental health counseling to fulfill the educational requirement for licensure in New York State. Applicants should have a minimum GPA of 3.5 in graduate coursework and must submit two letters of recommendation with their application. An interview with counseling faculty is also required.

Program of Study:

The program is designed to provide the additional preparation necessary to fulfill the educational requirement for licensure. Candidates will have their credentials evaluated by program faculty to determine whether any additional courses needed to be taken to meet the state's requirements. The Advanced Certificate requires a minimum of 24 credits outlined below. The total number of credits required by the state for licensure is a minimum of 60 credits including the master's degree. The Advanced Certificate is designed to be completed in one year

Semester One (spring term)

EDU 6651	Foundations of Mental Health Counseling
EDU 6270	Case Conceptualization, Treatment Planning, and Psychopharmacology
PSY 621	General Psychopathology
PSY 636	Objective Personality Assessment

Semester Three (summer term)

EDU 6424	Case Studies and Community Resources
EDU 6311	Internship I

Semester Four (fall term)

EDU 6364	Counseling the Substance Abuser
EDU 6312	Internship II.

Department of Curriculum and Instruction

The programs in the Department of Curriculum and Instruction lead to a Master of Science Degree in Education and provide opportunities

for graduate students to prepare for a teaching career. The Department also offers a Ph.D. in Curriculum and Instruction that prepares graduates for leadership positions in areas such as the professoriate, administration, and teacher education. In view of recent changes in the requirements for New York State professional teaching certification, students must consult with their advisor concerning eligibility for teaching certification.

Admission Requirements: Master Degree Programs

Applicants seeking admission to graduate degree programs must submit the following evidence of their ability to pursue graduate study:

1. A baccalaureate degree from an accredited college or university with a GPA of 3.0 or evidence of assurance of success in work for an advanced degree.
2. Submission of two letters of professional/academic recommendation.
3. Students who do not possess certification at the time of admission will be accepted with the understanding that they must receive this teaching certification to be eligible for institutional endorsement for the New York State professional teaching certification.

Programs of Study

Department of Curriculum and Instruction offers eight programs of study:

- Adolescent: Career Change
- Childhood: Career Change

These Master's programs require a capstone thesis paper during their final semesters. We also offer four additional Career Change programs of study in collaboration with the Department of Education Specialties:

- Childhood and Childhood Special Education
- Early Childhood and Teaching Students with Disabilities
- Childhood Education and T.E.S.O.L.
- Adolescent and Special Education

These Master's programs require a comprehensive exam at the end of the program.

All programs encompass a range of teaching and learning experiences through relevant pedagogical methods and a broad knowledge of strategies for devising, implementing and assessing learning experiences for all learners. Each of these programs leads to a Master of Science degree.

The Ph.D. Program in Curriculum and Instruction offers 4 strands of study and

requires a qualifying examination and dissertation.

Adolescent Education Master's Degree Program

Career Change in Adolescent Education—33-credit program

The Career Change program is intended for students whose academic background is outside the field of education and who do not presently hold a teaching certificate.

In response to the need for teachers in grades 7–12, St. John's University offers a master's degree program—the Career Change program—that can qualify you for a full-time salaried teaching position.

Upon completion of the first half of the program, you may be eligible for internship certification by the State Education Department and full-time salaried employment in New York public and private schools, provided the following requirements are met:

- Complete all workshops (DASA – Anti-bullying, School Violence Prevention, Child Abuse and Maltreatment)
- Obtain Fingerprint Clearance

Additionally, you must meet with the Director of Field Experience to discuss and agree upon a timetable for completion of New York State Teacher Certification Exams, a teacher performance assessment and request institutional recommendation from the Director of Certification by submitting an Institutional Release Authorization Form (IRAF) and an "Intent to Hire" letter when you have secured a teaching position in your desired area. EDU 7117 and 7585 should be taken at the end of the program.

Please see your advisor for specific information.

Required Courses:

EDU 799	Introduction to Education (0 credit)
EDU 3200	Language Acquisition and Literacy Development for General Education and English Language Learners (ELLs), K–12*
EDU 3270	Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas*
EDU 7000	Psychological Foundations of Learning (or EDU 7222)
EDU 7107	Methods of Teaching in the Middle Grades
EDU 7117	Associate Teaching: Adolescence

EDU 7222	Philosophical, Historical, and Sociological Foundations of Education (or EDU 7000)
EDU 7267	Technology for Literacy-Based Applications in Content Area in Regular and Special Education Settings (or EDU 7666)
EDU 7295	Teaching and Learning: Adolescent*
EDU 7585	Capstone: Assessment of the Learning Process**
EDU 7666	Developing Curriculum Materials for the Web (or EDU 7267)
EDU 9711	Education and Accommodating Needs of Individuals with Exceptionalities, K–12*

Select one of the following:

EDU 7291	Innovative Strategies in Secondary Education: Social Studies*
EDU 7292	Innovative Strategies in Secondary Education: Science*
EDU 7293	Innovative Strategies in Secondary Education: Mathematics*
EDU 7294	Innovative Strategies in Secondary Education: Foreign Language*
EDU 7296	Innovative Strategies in Secondary Education English (ELA)*

*Field Experience Courses must be completed prior to student teaching

** This course should be taken at the end of the program.

Childhood Education Master's Degree Program

Career Change

The Career Change program is intended for students whose academic background is outside the field of education and do not presently hold a teaching certificate.

In response to the need for teachers in grades 1–6, St. John's University offers a master's degree program—the Career Change program—that can qualify you for a full-time salaried teaching position.

Upon completion of the first half of the program, you may be eligible for internship certification by the State Education Department and full time salaried employment in New York public and private schools, provided the following requirements are met:

- Complete all workshops (DASA – Antibullying, School Violence Prevention, Child Abuse and Maltreatment)
- Obtain Fingerprint Clearance

Additionally, you must meet with the Director of Field Experience to discuss and agree upon a timetable for completion of New York State Teacher Certification Exams, a teacher performance assessment and request institutional recommendation from the Director of Certification by submitting an Institutional Release Authorization Form (IRAF) and an "Intent to Hire" letter when you have secured a teaching position in your desired area.

Please see your advisor for specific information.
Semester hours: 33 credits

EDU 7115 and EDU 7585 should be taken at the end of the program.

Required Courses:

EDU 799	Introduction to Education (0 credit)
EDU 3200	Language Acquisition and Literacy Development for General Education and English Language Learners (ELLs), K–12*
EDU 3220	Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
EDU 7000	Psychological Foundations of Learning (or EDU 7222)
EDU 7135	Current Trends, Research and Assessment in Social Studies*
EDU 7136	Current Trends, Research and Assessment in Science*
EDU 7137	Current Trends Research and Assessment in Mathematics*
EDU 7195	Teaching and Learning: Childhood*
EDU 7222	Philosophical, Historical, and Sociological Foundations of Education
EDU 7290	Human Relations in Multicultural and Inclusive Settings
EDU 7585	Capstone: Assessment of the Learning Process**
EDU 7266	Technology for Teaching Literacy Applications in Regular and Special Education Settings
EDU 7115	Childhood Education Associate Teaching
EDU 7666	Developing Curriculum Materials for the Web
EDU 9711	Education and Accommodating Needs of Individuals with Exceptionalities, K–12*

*Field experience courses must be completed prior to student teaching

**This course should be taken at the end of the program.

Middle School Extension

Extension for Adolescent Education certificate holders: After successfully completing EDU 7106 and 7107 courses, students will be eligible to extend their eligibility to teach grades 5 and 6 in the same content area as their original certificate.

Extension for Childhood Education certificate holders: This extension will allow students to teach grades 7, 8, and 9 in a subject area. In addition to successfully completing EDU 7106 and 7107, students must have 30 credits completed (C or better) in one content area and must pass the New York State Content Specialty Test (CST) in the same subject area to complete the extension. The School of Education's Certification Officer will review all transcripts during the application process to assess whether or not the content area coursework has been satisfied for the extension.

Eligibility for the Programs

Applicants to each program should possess an undergraduate grade point average of B or better.

Students must possess New York State initial or professional teacher certification in either Adolescent or Childhood Education, or be in the process of attaining that credential. The Middle School Extension can only be granted to individuals who attain certification.

Application Procedure

Students not currently enrolled at St. John's University can request an application and information about the program.

Students currently enrolled at St. John's University as undergraduate seniors or graduate students should meet with their advisor to determine how to qualify for the Middle School Extension.

Required Courses in Both Certificate Programs

EDU 7106	Understanding the Middle Grades Learner
EDU 7107	Methods of Teaching in the Middle Grades

Certification:

Adolescent Education Certificate Extension to Grades 5 and 6: Students satisfactorily completing the two requisite courses will be eligible to apply for certification, grades 5 and 6, in their initial content certification area. Students can submit an Institutional Release Authorization Form (IRAF) to the School of Education Certification Officer to receive an endorsement.

Childhood Education Certificate Extension to Grades 7, 8, and 9: Students satisfying the 30 credits in a content area with a minimum grade of C, passing the CST in that subject area, and satisfactorily completing the two requisite courses will be eligible to apply for certification, grades 7, 8, and 9 in their content area. Upon completion of their content area students can submit an Institutional Release Authorization Form (IRAF) to the School of Education Certification Officer to receive an endorsement in the following content areas: English, Mathematics, Spanish, Social Studies, Physics and Biology. Students who hold Childhood certification outside of those areas mentioned above can apply to the State Education Department via the "Individual Evaluation" pathway to receive the Middle School Extension in their subject area if they have met all requirements and provide appropriate documentation.

Early Childhood Education Master's Degree Program

Career Change

The Career Change program is intended for students whose academic background is outside the field of education and do not presently hold a teaching certificate.

In response to the need for teachers of birth through Grade 2, St. John's University offers a master's degree program—the Career Change program—that can qualify you for a full-time salaried teaching position.

Upon completion of the first half of the program, you may be eligible for internship certification by the State Education Department and full time salaried employment in New York public and private schools, provided the following requirements are met:

- Complete all workshops (DASA – Anti-bullying, School Violence Prevention, Child Abuse and Maltreatment)
- Obtain Fingerprint Clearance

Additionally, you must meet with the Director of Field Experience to discuss and agree upon a timetable for completion of New York State Teacher Certification Exams, a teacher performance assessment and request institutional recommendation from the Director of Certification by submitting an Institutional Release Authorization Form (IRAF) and an "Intent to Hire" letter when you have secured a teaching position in your desired area.

EDU 7114 and EDU 7585 should be taken toward the end of the program.

Required Courses:

EDU 799	Introduction to Education (0 credit)
EDU 3200	Language Acquisition and Literacy Development for General Education and English Language Learners (ELLs), K–12*
EDU 3220	Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
EDU 7000	Psychological Foundations of Learning
EDU 7114	Early Childhood Associate Teaching
EDU 7122	Programs in Early Childhood Education: Play, Social Learning in Early Childhood Environments*
EDU 7123	Creative Arts in Linguistically/Culturally Diverse and Inclusive Early Childhood Education*
EDU 7124	Literature in Early Childhood Education (or EDU 7128)
EDU 7126	Observing and Recording the Behavior of Young Children* (or EDU 7585)
EDU 7127	School, Family and Community Partnerships
EDU 7128	Integrated Curriculum in Early Childhood* (or EDU 7124)
EDU 7129	Mathematics and Science in Early Childhood
EDU 7585	Capstone: Assessment of the Learning Process** (or EDU 7126)
EDU 7666	Developing Curriculum Materials for the Web
OR	
EDU 7266	Technology for Teaching Literacy in Regular and Special Education Settings
EDU 9711	Education and Accommodating Needs of Individuals with Exceptionalities, K–12*
OR	
EDU 9737	Early Childhood Special Education*

*Field experience courses must be completed prior to student teaching

**This course should be taken at the end of the program

Ph.D. In Curriculum and Instruction**Program Overview**

The Ph.D. in Curriculum and Instruction is a journey of profound personal and professional

discovery. The program is individualized to Ph.D. candidates, responsive to communities, built upon the philosophy that students are agents of their own learning, and committed to fostering a symbiotic relationship between research and community. The program is structured so that students receive ongoing support from their professors and peers through classes, community activities, and scholarly endeavors.

Program Mission

This Ph.D. program distinguishes itself by a commitment to scholarship that is devoted to critical issues related to teaching and learning. Students will develop collaborative explorations and employ multiple research and disciplinary lenses to understand and address local and possibly global educational needs by working **with** and **for** the people and communities with whom they are engaged.

Program Structure

The Ph.D. in Curriculum and Instruction is a 45-credit post-Master's degree program. Students will complete 39 credits, as well as a comprehensive exam, prior to the dissertation proposal. Over the course of three years, students are supported in completing extensive data collection, field research, and community engagement. Students will focus their studies in one or more of the four programmatic strands: 1) Teaching, Learning, and Knowing; 2) Early Childhood; 3) Global Education; and 4) STEM Education.

Courses

The coursework includes 39 credits prior to the dissertation: Thirteen (13) Curriculum and Instruction courses, two (2) elective courses/advanced topics (6 credits). Of the required 15 courses, 10 are dedicated to research methods/educational research. Ph.D. in Curriculum and Instruction courses include:

EDU 8000	Community Immersion Research Seminar I, 3 credits
EDU 8001	Community Immersion Research Seminar II, 3 credits (Prerequisite: EDU 8000 <i>Community Immersion Research Seminar I</i>)
EDU 8002	Community Immersion Research Seminar III, 3 credits (Prerequisite: EDU 8001 <i>Community Immersion Research Seminar II</i>)
EDU 8003	Visions of Research I, 3 credits
EDU 8004	Visions of Research II, 3 credits
EDU 8005	Visions of Research III, 3 credits (Prerequisite: EDU 8003 <i>Visions of Research I</i> and EDU 8004 <i>Visions of Research II</i>)

EDU 8006	Philosophies of Education, 3 credits
EDU 8007	Families and Communities as Partners in Education, 3 credits
EDU 8008	Global Perspectives within Education and Educational Research, 3 Credits
EDU 8009	Critical and Historical Perspectives within Education and Educational Research, 3 credits
EDU 8010	Dissertation Proposal Seminar, 3 credits (Prerequisite: Requires Chair's Permission)
EDU 8011	Dissertation/Matriculation, 3 credits (Prerequisite: Requires Chair's Permission)
EDU 8012	Dissertation/Matriculation, 3 credits (Prerequisite: Requires Chair's Permission)
EDU 8013	Advanced Research Methods, 3 credits (Prerequisite: EDU 8003 <i>Visions of Research I</i> , EDU 8004 <i>Visions of Research II</i> , and EDU 8005 <i>Visions of Research III</i>)
EDU 8014	Advanced Topics: Literature Review, 3 credits

Department of Education Specialties

The Department of Education Specialties offers programs and coursework in professional teacher preparation.

The department offers programs in four major areas

- Bilingual Education
- Literacy
- Special Education
- TESOL (Teaching English to Students of Other Languages)

In most instances, candidates require an initial or base certificate for entry into the teacher preparation programs in Literacy, Teaching English to Speakers of Other Languages (TESOL) and Special Education. Three dual certification career change programs in TESOL and Special Education allow candidates to earn the initial and professional certification simultaneously. These programs and related coursework support the University mission as articulated by St. Vincent de Paul and carried out through academic rigor and service to the community.

At the present time at the Queens campus, and online the department offers graduate programs in Literacy, Special Education, TESOL and Bilingual Education. Within the Literacy programs, there are Ph.D. and three graduate level programs and coursework in teaching literacy from birth through 12th grade.

The TESOL program includes a Master's in TESOL, plus two advanced certificates in both TESOL and Bilingual Education (of 15 credits each). We also offer programs for teaching students with disabilities, in childhood and adolescence (special education). In addition, a 39-credit Childhood and Childhood Special Education (internship) program and a 36-credit Childhood Education and TESOL programs are offered for those eligible candidates lacking initial teacher certification. There are 4 dual certification programs in Literacy and Special Education, Master's programs in Literacy B-6 and TESOL PK-12, Literacy 5-12 and TESOL PK-12, Literacy B-6 and Teaching Children with Disabilities in Childhood, 1-6, and Literacy 5-12 and Teaching Students with Disabilities 7-12, Generalist, with SWD subject extensions

For initially certified teachers, three 33-credit programs are now offered on the Staten Island and/or Queens campus. Teaching Students with Disabilities 7-12 Generalist, for high school teachers; Teaching Children with Disabilities, Early Childhood; Teaching Children with Disabilities Childhood, for elementary teachers, is offered online as well as in a traditional setting.

In addition, for teachers certified in childhood education, we offer a masters 39 credit program leading to dual certification in both TESOL and Childhood Special Education.

At the Staten Island campus, the department offers graduate-level programs and coursework in Teaching Literacy at levels B-6 and in grades 5-12 and B-12; Advanced Certificates in Teaching Literacy, B-6; 5-12 and 4 dual certification programs in Literacy and Special Education Literacy Leadership; a career change program in Childhood and Childhood Special Education (internship); a career change program in Adolescence Education and Adolescence Special Education; Teaching Students with Disabilities (Grades 7-12).

Literacy Programs

The department offers a Ph.D. in Literacy and three Master's level graduate programs with specialization in the teaching of literacy. These graduate programs lead to initial or professional certification in Teaching Literacy, Birth – Grade 6 (33 credits), Teaching Literacy, Grades 5-12 (33 credits), and Teaching Literacy, Birth – Grade 12 (42 credits).

The department also offers several 39 credit dual certification Master's degrees in Literacy B-6 and Special Education, 1-6; Literacy B-6 and T.E.S.O.L PK-12; Literacy 5-12 and T.E.S.O.L. PK-12 and Literacy 5-12 and Teaching Students with Disabilities 7-12, Generalist.

Two advanced certificates in literacy are also offered.

Completion of these programs qualifies students for an endorsement from The School of Education Certification officer for NY State initial or professional certification in Literacy, in the area of the completed program. Application to NY State for certification is contingent upon all current State mandated certification exams, training modules, field experiences and citizenship requirements are completed. The department also offers a 33 credits Masters in Literacy – non-certification for those students who do not wish to obtain New York Certification.

Requirements for the Advanced Certificate in Literacy B-6 or 5-12 (21 credits)

Must possess a Master's Degree in Education and initial certification. Must maintain a "B" (3.0) average in all course work. Must complete 25-hour practicum. Must pass Content Specialty Test in Literacy to obtain State Certification.

Description:

The Advanced Certificate in Literacy Programs, B-6 or 5-12 requires 21 credits of literacy courses. This certificate enables the initially certified teacher to acquire the skills to teach reading, writing, and related language arts to students from early childhood to high school levels. In addition, the student will acquire skills to become a reading specialist capable of assessing reading and writing ability and providing instruction to help children and adolescents with literacy-related problems. The Content Specialty Exam (CST in Literacy) must be passed to obtain NYS certification in Literacy. This program will be offered on the Queens, Staten Island and online. Literacy courses (6 credits) taken as part of a previously earned career change Master's in Education may be counted for this Advanced Certificate. Individuals wishing to take the advanced certificate in Literacy must have a master's degree in Education.

Program of Study:

Advanced Certificate in Literacy B-6 (21 Credits)

EDU 3200 Language Acquisition & Literacy Development for First and Second Language

EDU 3210		Learners Pre-K to 12. Research and Practice of Teaching Writing /English Language Arts in General and Inclusive Education, B-6
	OR	
EDU 3264		Teaching Literacy through Literature, B-6
	AND	
EDU 3220		Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K-12*
EDU 3230		Diagnosis and Case Study Analysis of Literacy Performance* (Prereq., 3220 and 3270)
EDU 3270		Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas*
EDU 3240		Case Study and Instructional Strategies for Diverse Learners* (Prereq. 3230)
EDU 3250		Practicum and Seminar in Literacy Instruction B-6 25hours (Prereq. 3230 and 3240)

**Field experience courses must be completed prior to student teaching.*

Advanced Certificate in Literacy 5-12 (21 credits)

EDU 3200		Language Acquisition & Literacy Development for First and Second Language Learners, Pre-K to 12.
EDU 3215		Research and Practice of Teaching Writing /English Language Arts in General and Inclusive Education, 5-12
	OR	
EDU 3265		Teaching Literacy through Literature, 5-12
	AND	
EDU 3220		Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K-12*
EDU 3230		Diagnosis and Case Study Analysis of Literacy Performance* (Prereq. 3220)
EDU 3270		Theories of and Strategies for Teaching Literacy and English Language Arts in the

EDU 3240	Content Areas* Practicum & Seminar in Literacy Instruction for Diverse Learners Practicum Part I (25 hrs) (Prereq. 3230)
EDU 3255	Practicum and Seminar in Literacy Instruction, 5–12 (25 hours), (Prereq. 3230 and 3240).

*Field experience courses must be completed prior to student teaching.

Admission Requirements for M.S.Ed. Degree Programs

1. A baccalaureate degree from an accredited college or university. Undergraduate scholastic achievement must be such as to give reasonable assurance of success in work for an advanced degree, normally, a "B," both in general average and in the major field.
2. The teaching literacy programs service students who already hold initial certification in either early childhood, childhood, or adolescence education, teaching students with disabilities, teaching students who are deaf or hard of hearing, teaching students who are blind or visually impaired, teaching students with speech and language disabilities, teaching English to speakers of other languages and library media specialists. Candidates seeking admission shall normally have achieved a B average, or 3.0 or better cumulative grade point average in the program leading to the degree of their existing initial certificate.
3. Two letters of recommendation and a personal statement exams: GRE Analytical Writing or MAT.
4. Applications of those individuals who meet the program requirements but whose GPAs fall below 3.0 in their initial certified area, will be reviewed by a committee of designated faculty members to assess applicants' potential to successfully complete the program. In such cases the committee may also request an interview with the candidate. Upon committee recommendation, those applicants will be accepted conditionally with the provision that they achieve at least a 3.0 (B or better) in each of their graduate courses to be eligible for graduation and New York State Certification.

Admission Requirements for Ph.D. Degree in Literacy

Applicants seeking admission to the doctoral program (Ph.D.) must submit evidence of their ability to pursue advanced graduate study:

A Master's Degree in an education field from an accredited college or university is required.

Graduate scholastic achievement must be such as to give reasonable assurance of success in work for an advanced degree. Normally this will be a 3.2 GPA or better in prior graduate work.

Application Process:

- 1) Submit a complete application to the Office of Graduate Admission for the School of Education. Supporting documents include:
 - a. Official transcripts of all previous course work (undergraduate and graduate) that document a minimum GPA of 3.2 in a master's level program,
 - b. A statement of goals for doctoral study,
 - c. A professional resume or curriculum vitae,
 - d. Documentation of full-time teaching experience,
 - e. A score at or above the 50th percentile on the Miller Analogies Test (MAT), or
 - f. A score of at least 4 on the Analytical Writing section of the Graduate Record Examination (GRE). (You need not take the other sections of the GRE).
- 2) A successful interview with members of the Literacy core faculty and the department chairperson may also be required.

Notification of the decision will be sent by mail. If accepted, the student will be assigned an advisor who will assist in developing a program of study.

Programs of Study

Teaching Literacy, Birth–Grade 6

The Master of Science in Education program with a specialization in the Teaching of Literacies, B–6 is a 33-credit program. This program enhances the initially certified teacher's ability to teach reading and the related language arts to students at the early childhood, elementary and middle school levels. In addition, the program enables prospective and practicing teachers to acquire and develop the skills they will need to become reading specialists capable of diagnosing and assisting children to overcome their special literacy problems. A comprehensive exam requirement occurs at the end of the full program. It must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor. Students must also pass the CST in Literacy to qualify for New York State certification. Full programs are offered at the Queens and Staten Island campuses. The following courses comprise the master's program in literacy leading to initial or professional certification in Teaching Literacy, B–6:

General Core: (6 credits)

EDU 9711	Education and Accommodating Needs of Individuals with Exceptionalities, K–12*
EDU 7666	Developing Curriculum Materials for the Web

Literacy Methodology Core: (18 credits)

EDU 3200	Language Acquisition and Literacy Development for General Education and English Language Learners (ELL) K–12*
EDU 3210	Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education, B–6
EDU 3220	Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
EDU 3264	Teaching Literacy through Literature, B–6
EDU 3283	Research and Strategies in Literacy Leadership

Literacy Specialist Core (in sequence) (9 credits)

EDU 3230	Diagnosis and Case Study Analysis of Literacy Performance* (Prereq. 3220 and 3270)
EDU 3240	Practicum & Seminar in Literacy Instruction for Diverse Learners Practicum Part I (25 hrs)
EDU 3250	Practicum and Seminar in Literacy Instruction, B–6 (25 hours) (Prereq. 3230 and 3240).

These courses can be substituted with permission of an advisor or can be taken after the degree is conferred toward additional professional development.

EDU 3241	Multi-Sensory Approach to Language Learning and Phonics Instruction-Part I*
EDU 3242	Multi-Sensory Approach to Language Learning and Phonics Instruction-Part II*

Teaching Literacy, Grades 5–12

The Master of Science in Education program with a specialization in the Teaching of Literacy, grades 5–12, is a 33-credit program. This program allows the initially certified teacher to teach reading, writing and the related language arts to students at the middle school, junior high and high school levels. In addition, the program enables prospective and practicing teachers to acquire and develop the skills they need to become reading specialists, capable of diagnosing and assisting youngsters

and youth in overcoming their literacy-related problems. A comprehensive exam requirement occurs at the end of the program. It must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor. If a student fails the exam, they must take it in the following semester. Students may only take the exam twice. Students must also pass the CST in Literacy to obtain NY State certification. Full programs are offered at the Queens and Staten Island campuses. The following courses comprise the Master's program in literacy leading to initial or professional certification in Teaching Literacy, 5–12.

General Core: (6 Credits)

- EDU 9711 Education and Accommodating Needs of Individuals with Exceptionalities, K–12*
- OR
- EDU 3280 Digital Literacies and Learning

Literacy Methodology: 18 credits

- EDU 3200 Language Acquisition & Literacy Development for First and Second Language Learners
- EDU 3210 Research and Practice of Teaching Writing/English Language Arts in General Inclusion Education, B-6
- EDU 3215 Research and Practice of Teaching Writing /English Language Arts in General and Inclusive Education, 5–12
- EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
- EDU 3264 Teaching Literacy through Literature, B–6
- EDU 3265 Teaching Literacy through Literature, grades 5–12, in General and Inclusive Settings
- EDU 3270 Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas*
- EDU 3283 Research and Strategies in Literacy Leadership

**Field experience courses must be completed prior to student teaching*

Literacy Specialist Core: 9 credits

- EDU 3230 Diagnosis and Case Study Analysis of Literacy Performance* (Prereq. 3220)

- EDU 3240 Case Study and Instructional Strategies for Diverse Learners* (Prereq. 3230)
- EDU 3255 Practicum and Seminar in Literacy Instruction, 5–12 (25 hours) (Prereq. 3230 and 3240)

These courses can be substituted with permission of an advisor or can be taken after the degree is conferred toward additional professional development

- EDU 3241 Multi-sensory Approach to Language Learning and Phonics Instruction, Part I*
- EDU 3242 Multi-sensory Approach to Language Learning and Phonics Instruction, Part II*

**Field experience courses must be completed prior to student teaching.*

Teaching Literacy, Birth through Grade 12

The Master of Science in Education program with a specialization in the teaching of Literacy, Birth through Grade 12 is a 42-credit program leading to initial and professional New York State Teacher Certification. This program enhances the initially certified teacher's ability to teach reading and the related language arts. In addition, the program enables prospective and practicing teachers to acquire and develop the skills they will need to become literacy coaches and reading specialists capable of diagnosing and assisting children in overcoming their special literacy problems. A comprehensive exam requirement occurs at the end of the program. It must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor. Students must also pass the CST in Literacy to obtain NY State certification. Full programs are offered at the Queens and Staten Island campuses.

Field experience courses must be completed prior to student teaching

General Core: (6 Credits)

- EDU 9711 Educational and Accommodating Needs of Individual with Exceptionalities, K–12*
- EDU 3280 Digital Literacies and Learning

Literacy Methodology Core (24 credits)

- EDU 3200 Language Acquisition and Literacy Development for General Education and English Language Learners (ELL) K–12*

- EDU 3217 Research and Practice of Teaching Writing/English Language Arts in General Inclusion Education, B–12
- EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
- EDU 3241 Multi-Sensory Approach to Language Learning and Phonics Instruction-Part I*
- EDU 3242 Multi-sensory Approach to Language Learning and Phonics Instruction, Part II*
- EDU 3268 Teaching Literacy through Literature, B–12
- EDU 3283 Research and Strategies in Literacy Leadership

Literacy Specialist Core (in sequence): (12 credits)

- EDU 3230 Diagnosis and Case Study Analysis of Literacy Performance* (Prereq. EDU 3220)
- EDU 3240 Practicum & Seminar in Literacy Instruction for Diverse Learners Practicum Part I (25 hrs).
- EDU 3250 Practicum and Seminar in Literacy Instruction, B–6 (25 hours) (Prereq. 3230 and 3240).
- EDU 3255 Practicum and Seminar in Literacy Instruction, 5–12 (25 hours) (Prereq. EDU 3230) .

**Field experience courses must be completed prior to student teaching*

ORTON CERTIFICATION OPTION

If you wish to receive certification from The Orton Academy, you must take both EDU 3241 and EDU 3242 plus 100 hours of applied instruction which incorporates the strategies of the Orton Academy.

Admission and Program Requirements for Literacy-Field Change

Students with teaching certificates in other licensing areas may apply for one of the literacy field change programs.

1. A master's degree in education or a functionally related area, with scholastic achievement at a level to give reasonable assurance of success in work for an advanced degree. Normally, this will be a "B" average.
2. New York State initial teaching certification as specified in Admission Requirements for Degree Programs (2).

3. Coursework as outlined in the B–6, 5–12, or B–12 degree programs is required. If some literacy coursework was completed in an M.S. degree program, electives may be substituted in consultation with the student's program advisor.
4. A comprehensive examination completed in other M.S. programs satisfy program requirements.

Teaching Literacy B–6 and Teaching English to Speakers of Other Languages (TESOL) PK–12 (48 credits)

This program will provide Master's Degree candidates with dual certification in Literacy B–6 and Teaching English to Speakers of Other Languages (TESOL) PK–12. It will give teachers the opportunity to enrich their classroom pedagogy with specialization in literacy instruction and instruction for the English Language Learners. A comprehensive exam in both Literacy and TESOL occurs separately at the end of each portion of the program. Comprehensive exams must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor. Students will be eligible for certification in Literacy B–6 and TESOL PK–12 at program completion and after passing the CST-exams in Literacy and TESOL and by providing evidence of completion of 12 credits in a language other than English.

General Core: (6 credits)

- Practicum & Seminar in Literacy Instruction for Diverse Learners Practicum Part I (25 hrs).
- EDU 9711 Education and Accommodating Needs of Individuals with Exceptionalities, K–12*
- EDU 3280 Digital Literacies and Learning

Literacy Core: (18 credits)

- EDU 3210 Research and Practice of Teaching Writing/English Language Arts in General Inclusion Education, B–6
- EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
- EDU 3230 Diagnosis and Case Study Analysis of Literacy Performance* (Prereq. 3220)
- EDU 3240 Practicum & Seminar in Literacy Instruction for Diverse Learners Practicum Part I (25 hrs).
- EDU 3264 Teaching Literacy through Literature, B–6
- EDU 3270 Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas*

OR

- EDU 3283 Research and Strategies in Literacy Leadership

TESOL Core (18 credits)

- EDU 9001 Foundations Bilingual, Multicultural and Second Language Education
- EDU 9003 Literacy Development for the First and Second Language Learners*
- OR
- EDU 3200 Language Acquisition & Literacy Development for First and Second Language Learners
- EDU 9004 Content Area Instruction for Linguistically/Culturally Diverse Learners*
- EDU 9006 Human Development in Cross-cultural Perspective
- EDU 9010 Linguistics for Teachers of English Language (ELL) and Exceptional Learners*
- OR
- EDU 9015 Structure of the English Language
- EDU 9012 Methods of Language and Academic Assessment of ELLS and Exceptional Learners*

Capstone Courses: Program Completion (6 credits)

- EDU 3250 Practicum and Seminar in Literacy Instruction, B–6 (25 hours) (Prereq. EDU 3230 and 3240) .

Clinical Setting

- EDU 9014 Practicum and Seminar in TESOL (100 hours)

TESOL students must have 12 credits in a language other than English prior to admission or completion of program. (TESOL) PK–12.

**Field experience courses must be completed prior to student teaching.*

Teaching Literacy 5–12 and Teaching English to Speakers of Other Languages, TESOL PK–12 (39 credits)

This program will provide Master's Degree candidates with dual certification in Literacy 5–12 and Teaching English to Speakers of Other Languages (T.E.S.O.L) PK–12. It will give teachers the opportunity to enrich their classroom pedagogy with specialization in literacy instruction and instruction for the English Language Learners. A comprehensive exam in both Literacy and TESOL occurs separately at the end of each portion of the program. Comprehensive exams must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval

of the student's advisor. Students will be eligible for certification in Literacy 5–12 and TESOL PK–12 at program completion and after passing the CST-exams in Literacy and TESOL.

Literacy Core: (21 credits)

- EDU 3215 Research and Practice of Teaching Writing/English Language Arts in General Inclusion Education, 5–12
- EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
- EDU 3230 Diagnosis and Case Study Analysis of Literacy Performance* (Prereq. EDU 3220)
- EDU 3240 Practicum & Seminar in Literacy Development for First and Second Language Learners; Practicum Part I 25 hrs.
- EDU 3265 Teaching Literacy through Literature, 5–12
- EDU 3270 Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas*
- EDU 3280 Digital Literacies and Learning
- EDU 3283 Research and Strategies in Literacy Leadership

TESOL Core (18 credits)

- EDU 9001 Foundations Bilingual, Multicultural and Second Language Education
- EDU 9003 Literacy Development for the First and Second Language Learners*
- OR
- EDU 3200 Language Acquisition & Literacy Development for First and Second Language Learners
- EDU 9006 Human Development in Cross-cultural Perspective
- EDU 9010 Linguistics for Teachers of English Language (ELL) and Exceptional Learners*
- OR
- EDU 9015 Structure of the English Language
- EDU 9012 Methods of Language and Academic Assessment of ELLS and Exceptional Learners*

Capstone Courses: Program Completion (6 credits)

- EDU 3255 Practicum and Seminar in Literacy Instruction, 5–12 (25 Hours) (Prereq. EDU 3230 and 3240) .
- EDU 9014 Practicum and Seminar in TESOL (100 hours)

To meet NY State certification requirements, TESOL students must provide transcripts showing 12 credits in a language other than English at admission or before completion of program.

**Field experience courses must be completed prior to student teaching.*

Teaching Literacy B–6 and Teaching Children with Disabilities (48 credits)

This program will provide Master’s degree candidates with dual certification in Literacy B–6 and Teaching Children with Disabilities. A comprehensive exam in both Literacy and Special Education occurs separately at the end of each portion of the program. Comprehensive exams must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student’s advisor.

Technology Core: (3 credits.)

EEDU3280 Digital Literacies and Learning

Literacy Methodology Core: (21 credits)

EDU 3200 Language Acquisition & Literacy Development for First and Second Language Learners

EDU 3210 Research and Practice of Teaching Writing/English Language Arts in General Inclusion Education, B–6

EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*

EDU 3230 Diagnosis and Case Study Analysis of Literacy Performance (Prereq. EDU 3220 and 3270)

EDU 3240 Practicum & Seminar in Literacy Instruction for Diverse Learners Practicum Part 1 (25 hrs.)

EDU 3264 Teaching Literacy B–6 and Teaching Children with Disabilities (39 credits)

EDU 3270 Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas*

OR

EDU 3283 Research and Strategies in Literacy Leadership

Special Education Core (18 credits)

EDU 9707 Curriculum Adaptation and Modification Planning for Exceptional Students: Childhood*

EDU 9711 Education and Accommodating Needs of Individuals with Exceptionalities K–12*

EDU 9712 Educational Assessment of Individuals with Exceptionalities*

EDU 3241 Multi-sensory Approach to language Learning and Phonics Instruction – Part I*

OR

EDU 9718 Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, Social Studies – Childhood*

EDU 9719 Principles of Applied Behavior Analysis and Positive Behavioral Supports, K–12*

Capstone Courses: Program Completion (6 credits)

EDU 3250 Practicum and Seminar in Literacy Instruction, B–6 (25 hours) (Prereq. EDU 3230 and 3240)

Clinical Setting

EDU 9702 Practicum in Special Education-Childhood Final Semester (150 hours: Special Education School Clinical Setting)

**Field experience courses must be completed prior to student teaching.*

Teaching Literacy 5–12 and Teaching Children with Disabilities Generalist (48 credits)

This program will provide Master’s degree candidates with dual certification in Literacy 5–12 and Teaching Children with Disabilities. A comprehensive exam in both Literacy and Special Education occurs separately at the end of each portion of the program. Comprehensive exams must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student’s advisor.

Literacy Methodology Core: (21 credits)

EDU 3200 Language Acquisition & Literacy Development for First and Second Language Learners

EDU 3215 Research and Practice of Teaching Writing/English Language Arts in General Inclusion Education, 5–12

EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*

EDU 3240 Practicum & Seminar in Literacy Instruction for Diverse Learners Practicum Part I (25 hrs.)

EDU 3265 Teaching Literacy through Literature, 5–12

EDU 3280 Digital Literacies and Learning

Special Education Core (21 credits)

EDU 9704 Research in Collaborative Partnerships and Strategic Instruction for General, Special, and Inclusive Education: Adolescent*

EDU 9706 Curriculum Adaptation and Modification Planning for Exceptional Students: Adolescent*

EDU 9711 Education and Accommodating Needs of Individuals with Exceptionalities K–12*

EDU 9719 Principles of Applied Behavior Analysis and Positive Behavioral Supports, K–12*

EDU 9726 Curriculum and Instructional design for Teaching Literacy to Individuals with Exceptionalities: Math, Science, and Social Studies—Adolescent*

EDU 9742 Formal and Informal Educational Assessment of Individuals with Exceptionalities—Adolescent (Prerequisite: EDU 9711)*

EDU 9744 Curriculum and Instructional design for Teaching Literacy to Individuals with Exceptionalities—Adolescent

Capstone Courses: Program Completion (6 credits)

EDU 3255 Practicum and Seminar in Literacy Instruction, 5–12 (25 hours) (Prereq. EDU 3230 and 3240)

EDU 9705 Practicum in Special Education-Adolescent (150 hours: Special Education School or Clinical Setting)

Masters in Literacy- Non-Certification Program online and in-person
This non-certification master’s degree in Literacy is for students who live out-of-state or anyone who does not wish to be certified by the State of New York.

**Field experience courses must be completed prior to student teaching.*

Masters in Literacy- Non- Certification Program online and in-person

This non-certification master's degree in Literacy is for students who live out-of-state or anyone who does not wish to be certified by the State of New York.

EDU 3200	Language Acquisition & Literacy Development for First and Second Language Learners
EDU 3210/15/17	Research and Practice of Teaching Writing/English Language Arts in General Inclusion Education, B–12
EDU 3220	Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
EDU 3270	Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas*
EDU 3264/65/68	Teaching Literacy through Literature, B–12
EDU 3283	Research and Strategies in Literacy Leadership
Electives	
Elective 1	
	OR
EDU 3230	With the approval of advisor Diagnosis and Case Study Analysis of Literacy Performance* (Prereq. EDU 3220 or 3270)
Elective 2	
	OR
EDU 3240	With the approval of advisors Change to Practicum & Seminar in Literacy Development for First and Second Language Learners: Practicum Part I 25hrs. Prereq. 3230
Elective 3	
	OR
EDU 3250/55/57	With the approval of advisor Practicum and Seminar in Literacy Instruction, B–6 (25 hours) (Prereq. 3230 and 3240).

Online Ph.D. in Literacy: Program of Study (D)

The Doctor of Philosophy (Ph.D.) program in Literacy focusing on Diverse and At Risk Learners prepares professionals for these role options:

Teacher Educator (College or University Faculty for Teacher Preparation, Research and Service)

School Literacy Specialist (Reading or Writing Specialist or Literacy Coach Developing Literacy for All Learners)

Literacy Leader Advocate (Agency, Community, or School District Curriculum Specialist–Developing, Organizing and Supervising Literacy Programs)

The Ph.D. program was approved by the New York State Education Department in January 2008.

Students holding a master's degree or certificate in literacy and/or New York State certification in literacy may proceed to doctoral level course work. Those with background in other educational disciplines will need to take prerequisite literacy courses at the master's level in conjunction with doctoral level course work.

Students seeking to add literacy certification must first hold initial or professional teacher certification and should consult the Certification Officer early in their program.

Students may enroll in up to four courses a semester (fall, spring, summer) as a cohort while maintaining their professional positions during the day. Course work is completed in three years leaving the fourth year and beyond for the dissertation.

Doctoral Course Work (42 Credits)

Literacy Doctoral Courses (18 credits)

EDU 3280	Digital Literacies
EDU 3281	Foundations of Literacy Inquiry and Professionalism
EDU 3282	Models and Process of Reading and Writing Acquisition and Competency
EDU 3283	Research and Strategies in Literacy Leadership
EDU 3291	Seminar in Literacy for Social Justice
EDU 3292	Dissertation Seminar
EDU 3293	Dissertation Seminar Continued (Requires continuous enrollment until completion of dissertation)

Research Methodology Courses (15 credits):

EDU 3285	Research Perspectives in Literacy
EDU 7211	Educational Research and Data Analysis II
EDU 7900	Qualitative Research: Methodology and Analysis
EDU 7901	Educational Research and Data Analysis II
EDU 3820	Mixed Methods Research and Design

Cognate Studies Courses (EDU 3290 and 6 more credits in cognate studies: To address the research focus, the adviser and doctoral student must choose Literacy or TESOL.

Doctoral Dissertation

The doctoral student conducts an original research study under the guidance of a faculty mentor and dissertation committee.

Program in Special Education

The Department of Education Specialties offers graduate level programs leading to a professional state certificate valid for teaching students with disabilities: Teaching students with disabilities childhood (Grades 1–6); early childhood (B to Grade 2) or adolescent level (Grades 7–12). The 48-credit career change early childhood, childhood and adolescent special education programs, offered in collaboration with the Department of Curriculum and Instruction, are intended for students seeking initial certification and who wish to obtain additional certification in teaching students with disabilities at the early childhood, childhood or adolescent level. Programs at the Staten Island and/or Queen's campuses.

Elementary and adolescent teachers can enroll in a completely online graduate degree program in teaching children with disabilities at the childhood level (Grades 1–6) or adolescent level (Grades 7-12) recognized by New York State for certification. Teachers who complete this online degree will be eligible for a professional state certificate valid for teaching students with disabilities at the childhood level (Grades 1–6) or adolescent level (7-12). A "D" indicates those courses that are offered online. Students have the option of enrolling in this 33-credit program online through online learning or live on the Queens campus. In addition, the 33 credit 7–12 Generalist degree for high school teachers is offered on both Queens and Staten Island campuses. The 33 credit program Teaching Students with disabilities at the early childhood level (B-2) is offered on the Queens campus.

The 48-credit career change program in childhood or adolescent special education is offered on both the Queens and Staten Island campuses. Students enrolled in the 48-credit program on Staten Island may need to take courses at the Queens campus or online. The 48-credit career change program for early childhood special education is only offered at the Queen's campus.

The Special Education Program for teaching students with disabilities at the childhood and adolescent levels are designed to foster the development of skills, attitudes, and abilities needed to identify and remediate major learning and behavior disorders including autism. They also prepare teachers to instruct children and youth who manifest learning and behavioral problems ranging from mild to profound, regardless of etiology. Attention is paid to diagnosis, intervention, program planning and program evaluation. Completion of the special education master's programs qualifies students for New York State initial or professional certification as a teacher of students with disabilities at the childhood and adolescent levels, provided students have successfully completed all State mandated external tests, training modules, workshops and teaching experiences.

The 24-credit Advanced Certificates in Childhood and Adolescence Special Education are offered on the Staten Island and/or Queens campus. Please look on the web for more information on these programs.

Admission Requirements for Master's Program in Special Education

1. A baccalaureate degree from an accredited college or university. Undergraduate scholastic achievement must be such as to give reasonable assurance of success in work for an advanced degree. Normally this will be a "B," both in the general average and in the major field.
2. The special education program serves students who have received or who have qualified for the New York State initial teaching certificate. Students who do not possess the certificate at the time they seek admission will be accepted into the 48-credit program with the understanding that they must receive this teaching certification to be eligible for institutional endorsement for the New York State professional teaching certification.
3. Applications for those individuals who meet program requirements but whose GPAs fall below 3.0 in their initial certification area will be reviewed by a committee of designated faculty members to assess applicants' potential to successfully complete the program. In such cases the committee may also request an interview with the candidate. Upon committee recommendation, those applicants will be accepted as probationary students with the provision that they achieve at least a 3.0 in each of the first four courses in the program.

4. In addition to meeting all academic prerequisites, prospective online students must interview with program faculty prior to admittance to determine if they meet rudimentary computer proficiency requirements, such as Internet experience, logging on, cutting and pasting text using word processing software, and attaching documents as e-mail attachments.
5. Applicants for the Teaching Students with Disabilities 7–12 Generalist Masters must enter with a total of twenty four credits, either at the undergraduate or graduate levels, in the following content areas: Social Studies (6 credits); Math (6 credits); English (6 credits) and Science (6 credits). Candidates must have received initial teaching certification prior to entering the program.
6. A comprehensive exam must be taken during the last semester of coursework. This requirement does not apply to the Advanced Certificate in Special Education.

Programs of Study

Early Childhood and Teaching Students with Disabilities (Early Childhood) Master's Degree Programs

Early Childhood Education and Teaching Children with Disabilities (B–2) Field Change: (45 Credits)

Early Childhood Core (21 Credits)

EDU 3210	Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education Instruction, B–6
EDU 7122	Programs in Early Childhood Education: Play, Social Learning, and Early Childhood Environments*
EDU 7126	Observing and Recording the Behavior of Young Children*
EDU 7127	School, Family and Community Partnerships for Early Childhood Professionals.
EDU 7114	Early Childhood Associate Teaching (Student Teaching)

Students must pass, or attempt to pass, all of the required New York State Examinations (EAS, CST) prior to Associate Teaching.

Choose two courses (6 credits), including at least one field experience course.

EDU 7123	Creative Arts in Linguistically/Culturally Diverse and Inclusive Early Childhood*
EDU 7128	Integrated Curriculum in Early Childhood Settings*

EDU 7129	Mathematics and Science in Early Childhood
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Special Education Core (24 Credits)

EDU 9716	Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities: Childhood*
EDU 9737	Early Childhood Special Education*
EDU 9719	Principles of Applied Behavior Analysis and Positive Behavior Supports, K–12*
EDU 9733	Educational Assessment of Young Children with Exceptionalities (Prereq. EDU 7126 and EDU 9737)*
EDU 9734	Curriculum Modifications for Teaching Students with Disabilities in Diverse Early Childhood Settings*
EDU 9736	Early Intervention and Provision of Services for Preschoolers with Special Needs (Prereq. EDU 7126 and EDU 9737)*
EDU 9738	Research on Issues in Early Childhood Special Education*
EDU 9739	Practicum in Special Education – Early Childhood, Final Semester (Completed EDU 7114 all Special Education Coursework) (150 hours)

*Field experience courses must be completed prior to student teaching

A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

The CST – Students with Disabilities must be passed prior to graduation.

All students who do not take EDU 9737 must complete a NY State mandated 3-hour autism workshop.

Career Change

A 48-credit Career Change Program leads to certification in both Early Education (B–2) and Teaching Students with Disabilities (early childhood special education). This program is intended for students who have not received initial certification in early childhood education and who wish to obtain additional certification in teaching students with disabilities at the early childhood level.

The program is intended for students whose academic background is outside the field of education and who do not presently hold a teaching certificate.

This program is designed to foster the development of skills, attitudes, and knowledge needed to teach diverse populations of young children, birth to grade 2, in general education, early intervention, "integrated," and self-contained special education settings. The program prepares teachers in methods of developmental assessment and of curriculum development, modification and implementation. It also promotes skills for working with interdisciplinary teams and culturally diverse families to support the learning and development of children across the range of abilities. Completion of this Career Change Master's program qualifies students for New York State initial/professional dual certification as a teacher of students in general education programs, birth to grade 2 and of students with disabilities at the early childhood level, provided students have successfully completed all state-mandated external tests, training modules and teaching experiences.

Upon completion of the first half of the program, you may be eligible for internship certification by the State Education Department and full time salaried employment in New York public and private schools, provided the following requirements are met:

- Complete all workshops (DASA – Anti-bullying, School Violence Prevention, Child Abuse and Maltreatment)
- Satisfy NYS Liberal Arts requirements for initial teaching certification (as determined by SOE Transcript evaluation of Deficiencies at Admission)
- Obtain fingerprint clearance

Additionally, you must meet with the Director of Field Experience to discuss and agree upon a timetable for completion of New York State Teacher Certification Exams, and request institutional recommendation from the Director of Certification by submitting an Institutional Release Authorization Form (IRAF) and an "Intent to Hire" letter when you have secured a teaching position in your desired area.

Please see your advisor for specific information. Semester hour: 48 credits.

Early Childhood and Teaching Students with Disabilities, B-2, Career Change

Required courses:

Early Childhood Education Core Courses (24 Credits):

EDU 3210 Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education Instruction, B-6

EDU 7122 Programs in Early Childhood Education: Play, Social Learning in Early Childhood Environments*

EDU 7123 Creative Arts in Linguistically/Culturally Diverse and Inclusive Early Childhood Settings*

EDU 7126 Observing and Recording the Behavior of Young Children in Early Childhood Settings*

EDU 7127 School, Family and Community Partnerships for Early Childhood Professionals

EDU 7128 Integrated Curriculum in Early Childhood*

EDU 7129 Mathematics and Science in Early Childhood

EDU 7114 Early Childhood Associate Teaching

Students must pass, or attempt to pass, all of the required New York State Examinations (EAS, CST) prior to Associate Teaching.

Special Education Core: Courses (24 Credits)

EDU 9733 Educational Assessment of Young Children with Exceptionalities* (Prereqs EDU 7126, EDU 9737)

EDU 9734 Curriculum Modifications for Teaching Students with Disabilities in Diverse Early Childhood Settings*

EDU 9736 Early Intervention and Provision of Services for Preschoolers with Special Needs* (prereqs EDU 7126, EDU 9737)

EDU 9738 Research on Issues in Early Childhood Special Education (Capstone research project)

EDU 9739 Practicum in Special Education-Early Childhood

EDU 9716 Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities: Childhood*

EDU 9737 Early Childhood Special Education*

EDU 9719 Principles of Applied Behavior Analysis and Positive Behavioral Supports, K-12

**Field experience courses must be completed before student teaching*

***Comprehensive exams must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.*

The CST – Students with Disabilities must be passed prior to graduation

All students who do not take EDU 9737 must complete a NY State mandated 3-hour autism workshop.

Teaching Students with Disabilities: Childhood (33 credits)

These programs leading to state certification valid for teaching students with disabilities at the childhood level consist of two segments.

Core Special Education Courses (24 credits)

EDU 9707 Curriculum Adaptation and Modification Planning for Exceptional Students: Childhood*

EDU 9711 Education and Accommodating Needs of Individuals with Exceptionalities, K-12*

EDU 9712 Educational Assessment of Individuals with Exceptionalities*

EDU 9716 Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities: Childhood*

EDU 9718 Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, Social Studies-Childhood

EDU 9719 Principles of Applied Behavior Analysis and Positive Behavioral Supports, K-12*

EDU 9700 Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Educational Settings: Childhood*

EDU 9702 Practicum in Special Education – Childhood (Final Semester)

General Education Core Courses (9 credits)

EDU 3210 Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education Instruction, B-6

EDU 7266 Technology for Teaching Literacy Applications in regular and special education settings.

EDU 9003 Literacy Development for First and Second Language Learners

**Field experience courses must be completed before student teaching*

A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

The CST – Students with Disabilities must be passed prior to graduation

All students who do not take EDU 9711 must complete a NY State mandated 3-hour autism workshop.

Teaching Students with Disabilities: Childhood - Online Learning (33 credits)

Core Special Education Courses (27 credits)

EDU 3200	Language Acquisition & Literacy Development for First and Second Language Learners
EDU 9700	Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Educational Settings: Childhood*
EDU 9707	Curriculum Adaptation and Modification Planning for Exceptional Students*
EDU 9711	Education and Accommodating Needs of Individuals with Exceptionalities, K–12*
EDU 9712	Educational Assessment of Individuals with Exceptionalities*
EDU 9716	Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities: Childhood*
EDU 9718	Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, Social Studies: Childhood*
EDU 9719	Principles of Applied Behavior Analysis and Positive Behavioral Supports, K–12*
EDU 9702	Practicum in Special Education—Childhood (Final Semester)

Choose 2 Electives (6 credits)

EDU 3220	Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12*
EDU 3280	Digital Literacies
EDU 9003	Literacy Development for First and Second Language Learners

*Field experience courses must be completed prior to student teaching.

A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

The CST-Childhood Disabilities must be passed prior to graduation.

Students who do not take EDU 9711 must complete a 3-hour NYS mandated autism workshop.

Teaching Student with Disabilities: Adolescence 7 – 12 Generalist (33 credits) Online Learning

Teaching Students with Disabilities: Adolescence 7–12 Generalist (33 credits)

This program, leading to state certification valid for teaching students with disabilities at the adolescence level, consists of two segments. The program is also available as a fully only program.

General Education Core Courses (6 Credits)

EDU 3215	Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education Instruction, 5–12
EDU 9003	Literacy Development for First and Second Language Learners

Core Special Education Courses (24 Credits)

EDU 9704	Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Educational Settings—Adolescent
EDU 9706	Curriculum Adaptation and Modification Planning for Exceptional Students-Adolescent*
EDU 9711	Education and Accommodating Needs of Individuals with Exceptionalities, K–12*
EDU 9719	Principles of A.B.A. and Positive Behavioral Supports, K–12*
EDU 9726	Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, and Social Studies—Adolescent*
EDU 9742	Formal and Informal Educational Assessment of Individuals with Exceptionalities—Adolescent* (Prereq. EDU 9711)
EDU 9744	Curriculum and Instructional design for teaching Literacy to Individuals with Exceptionalities—Adolescent*
EDU 9705	Practicum in Special Education—Adolescent (Prereq: All Special Education Core) – Final Semester

Technology (Core) 3 credits

EDU 3280	Digital Literacies and Learning
OR	
EDU 7267	Technology for Literacy-Based Applications in Content Area in Regular and Special Education Settings

*Field experience courses must be completed prior to student teaching.

A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

The CST – Students with Disabilities must be passed prior to graduation

All students who do not take EDU 9711 must complete a NY State mandated 3-hour autism workshop.

Childhood and Childhood Special Education (Internship) (48 Credits)

General Education Credits (24 Credits)

EDU 3210	Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education Instruction, B–6
EDU 7000	Psychological Foundations of Learning
EDU 7266	Technology for Teaching Literacy Applications in regular and Special Education Settings (for students with limited technology background)
OR	
EDU 3280	Digital Literacies and Learning
EDU 7135	Current Trends Research and Assessment in Social Studies*
EDU 7136	Current Trends Research and Assessment in Science*
EDU 7137	Current Trends Research and Assessment in Mathematics*
EDU 7195	Teaching and Learning: Childhood*
EDU 7115	Childhood Associate Teaching
OR	
EDU 7115I	Internship

Students must pass, or attempt to pass, all of the required New York State Examinations (EAS, CST) prior to Associate Teaching.

*Field experience courses must be completed prior to student teaching

Special Education Core (24 credits)

EDU 9700	Research in Collaborative Partnership and Strategic Instruction for General, Special and Inclusive Educational Settings: Childhood*
EDU 9707	Curriculum Adaptation and Modification Planning for Exceptional Students: Childhood*
EDU 9711	Education and Accommodating Needs of Individuals with Exceptionalities, K–12*
EDU 9712	Education of Assessment of Individuals with Exceptionalities (Prereq. EDU 9711)
EDU 9716	Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities: Childhood*
EDU 9718	Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, Social Studies—Childhood*
EDU 9719	Principles of Applied Behavior Analysis and Positive Behavioral Supports, K–12*
EDU 9702	Practicum in Special Education—Childhood** (Final Semester) Prereq. EDU 7115 and all Special Education Coursework)

*Field experience courses must be completed prior to student teaching.

A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

The CST – Students with Disabilities must be passed prior to graduation

All students who do not take EDU 9711 must complete a NY State mandated 3-hour autism workshop.

Adolescent Education and Teaching Students with Disabilities 7–12 Generalist with Subject Extensions, Career Change: (48 credits)

Adolescent Education Core Courses (24 Credits)

EDU 3215	Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education Instruction, 5–12
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EDU 7000	Psychological Foundations of Learning
EDU 7106	Socio-emotional, Cultural and Cognitive Aspect of Middle School/Adolescent Learners in General and Inclusive Settings
EDU 7267	Technology for Literacy Based Applications in Content Area Learning in Regular and Special Education Settings
	OR
EDU 3280	Digital Literacy and Learning
EDU 7290	Human Relations in Multicultural and Inclusive Settings
	OR
EDU 7297	Introduction to Research Methods
EDU 7295	Teaching and Learning: Adolescent*
EDU 7117	Student Teaching – Adolescent

Choose one of the following:

EDU 7291	Innovative Strategies in Secondary Education: Social Studies*
EDU 7292	Innovative Strategies in Secondary Education: Science*
EDU 7293	Innovative Strategies in Secondary Education: Math*
EDU 7294	Innovative Strategies in Secondary Education: Foreign Language*
EDU 7296	Innovative Strategies in Secondary Education: English (ELA)*

Students must pass, or attempt to pass, all of the required New York State Examinations (EAS, CST) prior to Associate Teaching.

Special Education Core Courses (24 Credits)

EDU 9704	Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Educational Settings: Adolescent*
EDU 9706	Curriculum Adaptation and Modification Planning for Exceptional Students: Adolescent*
EDU 9711	Education and Accommodating Needs for Individuals with Exceptionalities, K–12
EDU 9719	Principles of A.B.A. and Positive Behavior Supports K–12*
EDU 9726	Curriculum and Instruction Design for Individuals with Exceptionalities: Math, Science, and Social Studies – Adolescent*

EDU 9742	Formal and Informal Educational Assessment of Individuals with Exceptionalities – Adolescent (Prerequisite: EDU 9711)*
EDU 9744	Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities – Adolescent*
EDU 9705	Practicum in Special Education – Adolescent*

(Final Semester)
(Prereq. EDU 7117 and all Special Education Coursework)

*Field experience courses must be completed prior to student teaching

A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

Students who do not take EDU 9711 must complete a NY State mandated 3-hour autism workshop. The CST—Students with Disabilities must be passed prior to graduation.

Advanced Certificate in Teaching Children with Disabilities: Childhood (24 credits)

Childhood certificate attached to an existing Master's Program with Initial Certification.

Special Education Core Courses (24 Credits)

EDU 9700	Research in Collaborative Partnerships, Strategic Instruction for General, Special, and Inclusive Educational Settings: Childhood *
EDU 9707	Curriculum Adaptation and Modification Planning for Exceptional Students: Childhood*
EDU 9711	Education and Accommodating Needs for Individuals with Exceptionalities, K–12*
EDU 9712	Educational Assessment of Individuals with Exceptionalities (prerequisite EDU 9711)*
EDU 9716	Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities: Childhood *
EDU 9718	Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, Social Studies—Childhood*
EDU 9719	Principles of Applied Behavior Analysis and Positive Behavior Supports, K–12*

EDU 9702 Practicum in Special Education (150 Hrs.) – Childhood*
Must be taken in your final Semester. Must have completed all Special Education Coursework and CST—Students with Disabilities

*Field experience courses must be completed prior to student teaching

Students who do not take EDU 9711 must complete a NY State mandated 3-hour autism workshop. The CST—Students with Disabilities must be passed prior to graduation.

Advanced Certificate in Teaching Children with Disabilities Generalist 7–12: Adolescent (24 Credits)

Adolescent Certificate attached to an existing Master's Program with Initial Certification.

Special Education Core Courses (24 Credits)

EDU 9704 Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Educational Settings: Adolescent*

EDU 9706 Curriculum Adaptation and Modification Planning for Exceptional Students: Adolescent*

EDU 9711 Education and Accommodating Needs for Individuals with Exceptionalities, K–12*

EDU 9719 Principles of Applied Behavior Analysis and Positive Behavior Supports, K–12*

EDU 9726 Curriculum and Instruction Design for Individuals with Exceptionalities: Math, Science, and Social Studies—Adolescent *

EDU 9742 Formal and Informal Educational Assessment of Individuals with Exceptionalities- Adolescent (prerequisite: EDU 9711)*

EDU 9744 Curriculum and Instructional design for teaching Literacy to Individuals with Exceptionalities—Adolescent*

EDU 9705 Practicum in Special Education (150 Hrs.)—Adolescent*

Must be taken in your final semester. Must have completed all Special Education Coursework and CST—Students with Disabilities

*Field experience courses must be completed prior to student teaching.

Students who do not take EDU 9711 must complete a NY State mandated 3-hour autism workshop. The CST—Student with Disabilities must be passed prior to graduation.

Teaching Students with Disabilities: Early Childhood B- 2 (33 credits)

This program, leading to state certification valid for teaching students with disabilities at the early childhood level, consists of two segments.

General Education Core Courses.

EDU 3210 Research and Practice of Teaching Writing/English and Inclusive Education Instruction, B-6

EDU 7266 Technology for Teaching Literacy Applications in regular and special education settings. or EDU 3280 Digital Literacy and Learning

EDU 9003 Literacy Development for First and Second Language Learner

Special Education Core Courses

EDU 9733 Educational Assessment of Young Children with Exceptionalities*

EDU 9734 Curriculum Modification with for Teaching Students with Disabilities in Diverse Early Childhood Settings*

EDU 9736 Early Intervention and Provision of Services for Preschoolers with Special Needs (prereqs, EDU 9737)*

EDU 9738 Research on issues in Early Childhood Special Education (Capstone research project)

EDU 9739 Practicum in Special Education-Early Childhood

EDU 9716 Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities Childhood*

EDU 9737 Early Childhood Special Education*

EDU 9719 Principles of Applied Behavior Analysis and Positive Behavioral Supports, K-12

* Field experience courses must be completed prior to student teaching.

**Comprehensive exams must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

The CST Student with Disabilities must be passed prior to graduation.

All students who do not take EDU 9737 must complete a NY State mandatory 3-hour autism workshop

Teaching English to Speakers of Other Languages (TESOL) and Bilingual Education (PK–12) Programs

At the present time at the Queens campus and online the department offers several advanced degree programs in TESOL, and Bilingual Education. These programs prepare qualified individuals to meet the educational needs of English Language Learners (ELLs) who are children, adolescents and youth. There are six graduate programs presently offered in TESOL and Bilingual Education.

Programs Leading to New York State Certification:

- Master's in TESOL, PK–12 (students holding initial certification)
- Dual Certification Master's: Childhood Special Education (1-6) and TESOL (PK-12)
- Dual Certification Master's: (Childhood Education (1–6) and TESOL (PK–12)
- Advanced Certificate in TESOL (PK–12) (students holding a Master's Degree)
- Bilingual Extension which extends most base certifications (demonstrated proficiency)
- Clinically Rich ITI program (Advanced Certificate or Bilingual Extension)

Accelerated weekend classes and online courses are available for our programs.

Program Options

- All TESOL and Bilingual Education programs prepare students to become exemplary educators at PK–12 levels, including "non-certification" track programs.
- International students who wish to obtain New York State certification should pursue the 36-credit career change program.
- Students, including international students or those whose career goals are outside teaching in the traditional New York State public PK–12 classroom and, who do not wish New York State certification should opt for non-certification track program.
- Students who enroll in a TESOL program already possessing initial New York State certification will receive endorsement for NYS professional certification upon program completion.

Study Abroad and Global Studies Opportunities

The TESOL and Bilingual Education Programs offer expanding, cultural study-abroad opportunities where students have the opportunity to take TESOL courses. Currently, we offer short-term programs in Italy, France, Spain and Greece.

Applicants seeking New York State Certification

Admission Requirements: TESOL (PK–12) Master of Science Programs

1. A baccalaureate degree from an accredited college or university, which includes a concentration or major in one of the liberal arts and sciences and no fewer than six semester hours in each of the following academic areas: English, mathematics, science and social studies. In addition, certification candidates must have 12 hours in a language other than English when applying for NYS TESOL certification. Undergraduate scholastic achievement must be such as to give reasonable assurance of success in work for an advanced degree. Normally, this will be a "B," both in the general average and in the major field.
2. New York State initial teacher certification or eligibility for teaching certification: Entry into the TESOL program is open to those students who hold initial certification in early childhood, elementary or childhood, middle childhood, secondary or adolescent education, literacy or special education.

Students who do not hold initial certification should apply to the dual Childhood Education and TESOL Program.

3. International students are not required to hold initial certification. However, international students who are interested in possibly qualifying to apply for New York State teaching certification should consider the 36-credit career change program option.
4. Proficiency in English: Students who have foreign academic credentials must demonstrate proficiency in English at the start of the program by passing oral language and written reading and writing proficiency tests in English administered by the University's ESL Department. Students who do not demonstrate adequate English language proficiency will be required to take ESL course work to bring their English language proficiency up to the required level, as recommended by the ESL Director. Such coursework will be used to meet a program prerequisite and will not count towards meeting the credits required for the TESOL degree.
5. Although not a prerequisite, all TESOL students must have 12 credits of a language other than English before applying for state certification. TESOL students must take the CST in TESOL for certification. Bilingual Extension students must take the Bilingual Education Assessment (BEA). International students are exempt from these language requirements.

6. A comprehensive exam must be taken during the last semester of Master's Degree Program coursework. This requirement does not apply to the advanced Certificate in TESOL or the Bilingual Extension.

Program of Study:

Master of Science in TESOL

The master's program in TESOL Grades PK–12 is a 33-credit program which includes course work in three areas: foundations, TESOL professional core and technology. Extensive in-depth field experiences at exemplary school sites are included for all students. A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor. *Field work is required.*

Master's Degree in TESOL (PK–12) (33 credits) Foundations (9 credits)

EDU 9001	Foundations of Bilingual and Second Language Education
EDU 9002	Psychology and Sociology of Language and Bilingualism*
EDU 9006	Human Development in Cross-Cultural Perspective

TESOL Professional Core (21 credits)

EDU 9711	Educating and Accommodating the Needs of Individuals with Exceptionalities, K–12*
EDU 9003	Literacy Development for First and Second Language Learners*
EDU 9004	Content Area Instruction for Linguistically/Culturally Diverse Learners*
EDU 9010	Linguistics for Teachers of English Language (ELL) and Exceptional Learners*
EDU 9012	Methods of Language and Academic Assessment for English Language and Exceptional Learners*
EDU 9014	Practicum and Seminar in TESOL. Comprehensive exams are to be taken during same semester as this course.
EDU 9015	The Structure of the English Language

Technology Course (3 credits.)

EDU 7266	Technology for Teaching Literacy Applications in Regular and Special Education Settings (Childhood Education)
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OR

EDU 7267	Technology for Literacy-Based
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Applications in Content Area Learning in Regular and Special Education Setting (Adolescent Education)

OR

EDU 7666	Advanced Technology in Education
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OR

EDU 3280	Digital Literacies and Learning
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Career Change Dual Certification: Childhood (1–6) and TESOL (PK–12) MSED Programs (36 credits MSED)

Students who seek initial certification should take this program of study.

Students admitted to the Dual Childhood Education and TESOL master's program must complete 36 credits of coursework as follows:

I. Core Childhood Education Courses (9 or 12 credits) Select either EDU 7195 or EDU 9015

EDU 3280:	Digital Literacy and Learning*
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Select two from the following three:

EDU 7135*	Current Trends, Research and Assessment in Social Studies*
EDU 7136*	Current Trends, Research and Assessment in Science*
EDU 7137*	Current Trends, Research and Assessment in Mathematics*

All students must take:

EDU 7195*	Teaching and Learning: Childhood**
EDU 7115*	Childhood Associate Teaching (taken in last 6 credits of entire program)*

OR

EDU 7151*	Internship (Completed at least 21 credits and have passed all NYS General Ed exams: CST*, LAST*-a/1 test scores sent to St. John's)*
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Technology (3 credits):

EDU 7266	Technology for Teaching Literacy in Regular and Special Education Settings
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Special Education (3 credits):

EDU 9711:	Education and Accommodating Needs of Individuals with Exceptionalities, K-12
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TESOL Professional Core (18 or 21 credits):

Students can choose between EDU 7195 and EDU 9015.

EDU 9001:	Foundations of Bilingual and Second Language Education
EDU 9004*:	Content Area Instruction for linguistically/Culturally Diverse Learners

- EDU 9010*: Linguistics for Teachers of English language (ELL) and Exceptional Learners
- EDU 9012*: Methods of Language and Academic Assessment for English Language and Exceptional Learners
- EDU 9014*: Practicum and Seminar in TESOL
- EDU 9015**: The Structure of the English Language

*Field work required

** Students can choose between EDU 7195 and EDU 9015

Students must pass all of the required New York State Examinations (ALST, EAS, CST) prior to Associate Teaching.

Special Education Courses (18 Credits)

- EDU 9711 Education and Accommodating Needs for Individuals with Exceptionalities, K-12
- EDU 9700 Research Collaborative Partnerships and Instruction for General, Special and Inclusive Educational Settings – Childhood
- EDU 9707 Curriculum Adaption and Modifications Planning for Exceptional Students – Childhood
- EDU 9710 Principles of Applied Behavioral Analysis and Positive Behavior Supports, K-12*
- EDU 9718 Curriculum and Instructional Design for Individuals with Exceptionalities, - Math, Science and Social Studies – Childhood
- EDI 9702 Practicum in Special Education*
- EDU 3280 Digital Literacies and Learning

*Field experience courses must be completed prior to student teaching

II. TESOL Foundations (6 credits)

- EDU 9001: Foundations of Bilingual and Second Language Education*
- EDU 9711: Education and Accommodating Needs of Individuals with Exceptionalities, K-12*

TESOL Professional Core (15 or 18 credits)

- Select either EDU 7195 or EDU 9015
- EDU 9003: Literacy Development for First and Second language Learners*
- EDU 9004: Content Area Instruction for linguistically/Culturally Diverse Learners *
- EDU 9010: Linguistics for Teachers of English language (ELL) and Exceptional Learners*

- EDU 9012: Methods of Language and Academic Assessment for English Language and Exceptional Learners*
- EDU 9014: Practicum and Seminar in TESOL*

A comprehensive exam must be taken and passed during the last year of coursework provided that all core courses have been successfully completed and with the approval of the student's advisor.

Upon completion of the first half of the program, you may be eligible for internship certification by the State Education Department and full time salaried employment in New York public and private schools, provided the following requirements are met:

- Complete all workshops (DASA – Anti-bullying, School Violence Prevention, Child Abuse and Maltreatment)
- Obtain Fingerprint Clearance

Additionally, you must meet with the Director of Field Experience will discuss and agree upon a timetable for completion of New York State Teacher Certification Exams and request institutional recommendation from the Director of Certification by submitting an Institutional Release Authorization Form (IRAF) and an "Intent to Hire" letter when you have secured a teaching position in your desired area.

Please see your advisor for specific information

Dual Certification: Childhood Special Education (1-6) and TESOL (Pre-K-12) MSED- 39 Credits

The Dual Master's Degree program in TESOL Grades PK-12 and Special Education Grades 1-6 offers certification in both these fields. This 39-credit program includes coursework in TESOL and special education focusing on theoretical foundations, professional core instruction, and technology. Comprehensive exams in each specialty must be taken and passed during the last year of classwork provided that all core courses have been successfully completed, and with the approval of the student's advisor. Field work is required.

TESOL Courses (18 credits)

- EDU 9002: Psychology and Sociology of Language and Bilingualism *
- EDU 9003: Literacy Development or First and Second Language Learners *
- EDU 9004: Content Area Instruction for Linguistically/Culturally Diverse Learners *
- EDU 9010: Introduction to Linguistics for English and Exceptional Learners *

- EDU 9012: Methods of Language and Academic Assessment for English and Exceptional Learners*
- EDU 9014: Practicum and Seminar in TESOL*

Special Education Courses (18 credits)

- EDU 9711: Education and Accommodating Needs for Individuals with Exceptionalities, K-12
- EDU 9700: Research Collaborative Partnerships and Instruction for General, Special and Inclusive Educational Settings –Childhood
- EDU 9707: Curriculum Adaptation and Modification Planning for Exceptional Students – Childhood
- EDU 9719: Principles of Applied Behavioral Analysis and Positive Behavior Supports, K-12 *
- EDU 9718: Curriculum and Instructional Design for Individuals with Exceptionalities – Math, Science and Social Studies - Childhood
- EDU 9702: Practicum in Special Education*

Technology (3 credits)

- EDU 3280: Digital Literacy and Learning

*Students must take the CST in TESOL and the CST in Special education. Classes with asterisks denote a field work component.

Although not required prior to matriculation into the TESOL program, all TESOL students must have 12 credits of a language other than English before applying for State certification. TESOL students must take the CST in TESOL for certification. International students not seeking NYSED certification are exempt from these requirements. A comprehensive exam must be taken and passed during the last year of coursework

Advanced Certificate Programs

TESOL Advanced Certificate Program

The department offers a 15-graduate credit course sequence leading to a bilingual extension certificate or TESOL or Bilingual Advanced Certificate. Coursework will provide students with the theory, multicultural perspectives, and practical background to work in bilingual and/ or dual-language classroom settings. The five course sequence will allow the initially certified teacher to obtain the knowledge and skills of: (1) the theories of bilingual education and

bilingualism; (2) the multicultural viewpoints of education; (3) the social, psychological, and psycho-linguistic aspects of bilingualism; (4) the methods of teaching English language arts and first language arts to bilingual English language learners; and (5) methods of teaching content area instruction to bilingual English language learners, using both the home language and English

Students must pass the required N.Y. State examination for certification.

Field work is a requirement for most program coursework.

EDU 9005	Teaching English to Speakers of Other Languages and Dual Language Instruction*
EDU 9009	Content Area Instruction for Linguistically/Culturally Diverse Learners*
EDU 9012*	Methods of Language and Academic Assessment of ELLS and Exceptional Learners*

Total: 15 credits

**Field experience courses must be completed prior to student teaching.*

Admission Requirements: TESOL Advanced Certificate Program (15 credits)

Candidates wishing to obtain the Advanced Certificate in TESOL must have initial certification in Education. They may add the 15-credit coursework in TESOL Advanced Certificate as a wraparound to their Master's certification.

Course Requirements

EDU 9002	Psychology and Sociology of Language and Bilingualism*
EDU 9003	Literacy Development or First and Second Language Learners*
EDU 9004	Content Area Instruction for Linguistically/Culturally Diverse Learners*
EDU 9010	Linguistics for Teachers of English Language (ELL) and Exceptional Learners*
EDU 9012*	Methods of Language and Academic Assessment for English Language and Exceptional Learners.*

Total: 15 credits

**Field experience courses must be completed prior to student teaching.*

Bilingual Education Extension Advanced Certificate Admission Requirements: Bilingual Extension- Advanced Certificate

Candidates wishing to obtain the bilingual extension can add the 15-credit coursework in bilingual education as a wraparound to their master's certification.

Course Requirements

EDU 9001	Foundations of Bilingual, Multicultural and Second Language Education*
EDU 9002	Psychology and Sociology of Language and Bilingualism*

EDU 3200 Language Acquisition for First and Second Language Learners, Pre-K to 12

Examines theories of first- and second-language acquisition and literacy development of native English speakers and English-language learners including construct of emergent literacy, early oral language development and relationship of oral to written language. *Field work required: 20 hours Credit: 3 semester hours.*

EDU 3210 Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education, B–6

This course is designed to instruct teachers to develop effective Literacy/ English Language Arts skills for early childhood and elementary school children. Teachers will learn to incorporate the Common Core State Standards in writing, grammar, speaking, listening and reading. Teachers will learn to use multisensory materials and technology to enhance children's reading to writing and writing to reading skills. They will also demonstrate their knowledge for teaching writing in a variety of original, imaginative works, as, well as, narrative and expository texts that observe conventions of genres and use of figurative language and text structure. Teachers will enable their children to communicate clearly to an external audience improving their form, content and style of writing using appropriate language and grammar. *Credit: 3 semester hours. Fee: \$25.*

EDU 3215 Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education, 5–12

This course is designed to instruct teachers to develop effective Literacy/ English Language Arts skills for middle school and adolescent students. Teachers will learn to incorporate the Common Core State Standards in writing, grammar, speaking, listening and reading. Teachers will learn to use multisensory materials and technology to enhance children's reading to writing and writing to reading skills. They will also demonstrate their knowledge for teaching writing in a variety of original, imaginative works, as well as, narrative and expository texts, that observe conventions of genres and use of figurative language and text structure. Teachers will enable their students to communicate clearly to an external audience improving their form, contents and style of writing using appropriate language and grammar. *Credit: 3 semester hours. Fee: \$25.*

EDU 3217 Research and Practice of Teaching Writing/English Language Arts in General and Inclusive Education, B–12

This course is designed to instruct teachers to develop effective Literacy/ English Language Arts skills for early childhood, elementary, middle school and adolescent students. Teachers will learn to incorporate the Common Core State Standards in writing, grammar, speaking, listening, and reading. Teachers will learn to use multisensory materials and technology to enhance children's reading to

writing and writing to reading skills. They will also demonstrate their knowledge for teaching writing in a variety of original, imaginative works, as well as, narrative and expository texts, that observe conventions of genres and use of figurative language and text structure. Teachers will enable their students to communicate clearly to an external audience improving their form, content and style of writing using appropriate language and grammar. *Credit: 3 semester hours. Fee: \$25.*

EDU 3220 Approaches, Materials, and Performance Evaluation in Literacy and English Language Arts Development, K–12

Study and analysis of approaches and materials for literacy and English Language Arts instruction focusing on language acquisition, word identification, vocabulary development, comprehension, Common Core ELA competencies and motivational aspects for Birth through Grade 12. This course will also provide teachers with knowledge of and methods of teaching the New York State Common Core Standards. *Field work at the childhood or adolescent level: Required 20 hours. Credit: 3 semester hours.*

EDU 3228 Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities — Adolescent

Examines theories and models of how adolescents with exceptionalities process and learn from the oral and written languages. *Field work required. Credit: 3 semester hours.*

EDU 3230 Diagnosis and Case Study Analysis of Literacy Performance

Prerequisite: 3220 and 3270. Open only to students matriculated in M.S. or Advanced Certificate Literacy Programs. Principles and practices of assessing and correcting literacy performance; use of formal and informal reading, writing, and perceptual tests to establish reading levels and behaviors for students in either Grades K–6 or 5–12. Students will construct a comprehensive case study as a means of communicating assessment results to parents, caregivers and school personnel. Students must receive a "B" or better in this course to proceed to EDU 3240. No grade INC (incomplete) will be given for this course. *Field work required; diagnostic instruments must be purchased. Field work required: 20 hours. Credit: 3 semester hours.*

EDU 3240 Practicum and Seminar in Literacy Instruction for Diverse Learners Practicum Part I 25 hrs.

Prerequisite EDU 3230. Study and analysis of literacy development, individual differences and language difficulties experienced by the diverse learner. As a continuation of EDU 3230, students learn to adapt instructional strategies and specialized procedures for learning/ language differences and disabilities. Students must receive a "B" or better in this course to proceed to EDU 3250. No grade INC

(incomplete) will be given for this course. *Field work required. (Diagnostic instruments must be purchased). Field work required: 20 hours. Credit: 3 semester hours.*

EDU 3241 Multi-sensory Approach to Language Learning and Phonics Instruction Part I

Study of the underlying principles of multi-sensory language learning with an emphasis on the structure of language. Part I also includes learners with dyslexia. Course requires specialized manuals and diagnostic instruments. **Note: If you wish to receive certification from the Orton Academy, you must take both EDU 3241 and EDU 3242 plus a 100-hour practicum over the course of both semesters. Field work required: 100 hours across two courses. Credit: 3 semester hours.*

EDU 3242 Multi-sensory Approach to Language Learning and Phonics Instruction Part II

Prerequisite EDU 3241. Study of various diagnostic instruments, administration of relevant academic and diagnostic tests, and designing specific therapeutic interventions incorporating the principles of multi-sensory language learning. Requires specialized manuals and diagnostic instruments. **Note: If you wish to receive certification from the Orton Academy, you must take both EDU 3241 and EDU 3242 plus a 100-hour practicum over the course of both semesters. Field work required: 100 hours across two courses. Credit: 3 semester hours.*

EDU 3250 Practicum and Seminar in Literacy Instruction (Grades Birth–6)

Prerequisites EDU 3230 and EDU 3240. Students complete a comprehensive supervised case study as part of a practicum component. After reviewing the case study with the instructor, a plan of remedial instruction is designed. Twenty-five (25) hours of practicum experience is required: teaching literacy to a student at the early childhood or childhood levels, (Grades Birth–6). *Field work required: 25 hours. Credit: 3 semester hours.*

EDU 3255 Practicum and Seminar in Literacy Instruction (Grades 5–12)

Prerequisites EDU 3230 and EDU 3240. Students complete a supervised case study as part of a practicum component. After reviewing the case study with the instructor, a plan of remedial instruction is designed. Twenty-five (25) hours of practicum experience is required: teaching literacy to a student at the adolescent or high school level (Grades 5–12). *Fieldwork required: 25hours. Credit: 3 semester hours.*

EDU 3260 Emergent Literacy Within a Constructivist, Social Context

Review of theory, research and related models of emergent literacy; examination of literacy behaviors and instructional procedures for young children. *Credit: 3 semester hours.*

EDU 3262 Individualizing Reading Instruction through Literature, Media and the Arts

Selection, evaluation, and organization of alternative approaches to implement a program stressing individual needs; theories and techniques of individualization and classroom management procedures; emphasis on examination and critical analysis of materials and modes of utilization. *Credit: 3 semester hours.*

EDU 3264 Teaching Literacy through Literature, Grades B–6 in General and Inclusive Settings

Explores reading-writing connections, techniques and strategies that promote children's active construction of meaning through the use of quality literature. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 3265 Teaching Literacy through Literature, Grades 5–12 in General and Inclusive Settings

Emphasizes reading and writing relationships, student cooperation, classroom management, literature discussion groups and circles and the writing process approach in responding actively to literature. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 3268 Teaching Literacy through Literature, Grades B–12 in General and Inclusive Settings

Students expand and develop their understandings about the conventions, style, genres, audiences, and purposeful nature of the craft of writing, through the integration of quality literature into reading and writing instruction. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 3270 Theories of and Strategies for Teaching Literacy and English Language Arts in the Content Areas

Presents theories of and instructional Strategies for Teaching Literacy and English Language Arts in the Content Areas in regular and inclusive settings through print and technological means. Emphasis on comprehension, vocabulary, and motivation through informational reading and writing consistent with the competencies of English Language Arts of the Common Core Standards. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 3271 Literacy Best Practices Informed by Research

Examines literacy instruction as informed by scientifically based research and best practices of the field. Course components focus on the processes of word reading to include phonemic awareness and phonics, vocabulary development, fluency, reading comprehension, writing development, motivation and affective engagement through the grades, integration of reading/writing strategies in the content areas, classroom management via grouping

patterns and progress monitoring assessment. Field work on course project required. *Credit: 3 semester hours.*

EDU 3274 Innovative Approaches to Thinking and Literacy Development for the Gifted Learner

Study of theories and models for developing and extending reading and writing for gifted and talented students through literature, poetry and content materials. *Credit: 3 semester hours.*

EDU 3278 Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities B–12

Examines theories and models of how children with exceptionalities and diverse and at-risk students process oral and written language; discusses how to plan and implement specific programs that focus on emergent literacy, reading and writing; included is focus on curriculum adaptation and design, teaching strategies and monitoring techniques. *Field work required. Credit: 3 semester hours.*

EDU 3280 Digital Literacies and Learning

This course focuses on understanding theoretical, research, and practical notions of teaching and learning using technology in online and offline spaces. Topics of investigation include creating content, finding and critically evaluating information, sharing and communicating, comprehension, and assessment related to digital literacy and learning in grades K–12. Through this course, students will reflect on theories and their own digital-age literacy practices and managing social network spaces, critically analyze and synthesize research findings and features of digital tools, participate in discussions about various topics in the field of new literacies, and develop web-based learning activities for a range of classroom contexts. *Credit: 3 semester hours.*

EDU 3281 Foundations of Literacy Inquiry and Professionalism

Open to students in advanced or doctoral programs. Introduces foundations of literacy research, the range of methodologies and methods of inquiry, and examines the current state of research appropriate to the literacy field, including points of concern and debate. Students establish a digital portfolio to document progress and achievement in their doctoral program to be assessed annually by the literacy doctoral faculty across three years. *Credit: 3 semester hours.*

EDU 3282 Models and Process of Reading and Writing Acquisition and Competency

Prerequisites: EDU 3220, 3230, 3270. Examines the diverse viewpoints and approaches to reading and writing revealing that literacy acquisition and development involves integrating a complex network of interactive processes. Literacy is studied through the

viewpoints of different disciplines and explored through a range of theoretical models within each discipline. *Credit: 3 semester hours.*

EDU 3283 Research and Strategies in Literacy Leadership

Prerequisites: EDU 3220, 3230 and 3270. Explores research and evidence-based practice in pre-school to grade 16, literacy program assessment, curriculum development and community advocacy and outreach. This course addresses International Reading Association standards for preparing literacy coaches and reading specialists. *Credit: 3 semester hours.*

EDU 3285 Research Perspectives in Literacy

Open to student in advanced or doctoral programs. Review of major topics (e.g. comprehension) in literacy research with emphasis on the appropriate application of research designs and data analysis methodologies. *Credit: 3 semester hours.*

EDU 3290 Special Topics in Literacy

Open to students in advanced or doctoral programs. Course analyzes current issues and design approaches in literacy theory and practice and examines emerging initiatives in the literacy field. Doctoral students begin to identify a potential domain and focus of inquiry for the dissertation. *Credit: 3 semester hours.*

EDU 3291 Seminar in Literacy for At Risk, Diverse Populations

Open to students in advanced or doctoral programs. Explores theories, research and issues in literacy education for at risk and diverse populations. Emphasis is on the influence of poverty and inequality issues in literacy issues. *Credit: 3 semester hours.*

EDU 3292 Dissertation Seminar

Students continuously register for Dissertation Seminar until the dissertation is completed and the degree is awarded. The proposal is a document in which the student outlines the need for the study, a literature review, the procedures and design of the study among other sections. The student also selects a faculty member who serves as a mentor. A dissertation study cannot be conducted until all course requirements are met and satisfactory scores on the third annual portfolio are achieved to satisfy the doctoral culminating requirement. *Credit: 3 semester hours.*

EDU 3293 Dissertation Seminar Continued

Students continuously register for Dissertations seminar until the dissertation is completed and the degree is awarded. Directed research and chapter writing occur under guidance from the dissertation mentor and committee members. *Credit: 3 semester hours.*

EDU 3925 Maintaining Matriculation

Master's students not registered for other courses must register for 3925 until all degree requirements are completed and the degree is granted. *No credit. Offered each semester.*

EDU 3820 Mixed Methods Research and Design

Prerequisites: EDU 3285 or 5655, and EDU 7900.

This course provides an introduction to mixed methods research and design, focused on applications in educational settings. Particular attention is given to the design and implementation of research that combines qualitative and quantitative data collection and analysis. *Credit: 3 semester hours.*

EDU 4000 NYS Safety Education Workshop

Those seeking NYSED initial certification are required to complete this workshop prior to student teaching and practicum experience. This class will be taught fully online and asynchronously. *No credit.*

EDU 5103 Educational Governance and Policy Issues

This course develops leadership abilities at the school district level in designing and executing district-wide systems to improve student achievement; communicate effectively with school boards and other constituents to develop and execute policies; and lead comprehensive long-range planning, informed by multiple data sources. *Internship hours required. Credit: 3 semester hours.*

EDU 5104 School District Legal Aspects and Personnel Administration

This course develops leadership abilities at the school district level in communicating and working effectively with diverse groups of personnel; supporting, supervising, and evaluating personnel consistent with district and state policies; creating a culture conducive to student learning and staff professional development; and setting a high standard for professional conduct by example. *Credit: 3 semester hours.*

EDU 5105 Multicultural Social Organizations

This course focuses on developing and leading instructional settings conducive to equitable education from a multi-cultural perspective. Current issues in multi-cultural education will be discussed through case studies, with the intent of preparing educational leaders to create culturally responsive classrooms and schools. Particular attention will be given to the collaboration of students, staff, parents, community members. The responsibilities and obligations of leaders in today's multicultural society will be addressed. *Credit: 3 semester hours.*

EDU 5300 Organizational Theory and Planned Change in Education

This course develops leadership abilities at the school district level to lead comprehensive, long-term improvement based on theoretical, analytical, and evidence-based frames of reference. Major theoretical constructs underlying organizational culture, curriculum

development, and planned change are discussed. *Credit: 3 semester hours.*

EDU 5301 Leadership Values, Decision Making, and Multicultural Organization

This course develops leadership abilities at the school district level in implementing an educational vision that incorporates respect for diversity and special needs based on theories, ethical values, and evidence-based practices for multicultural organizations. It addresses all aspects of district operations, including curriculum, instruction, staffing, and facilities management, as they pertain to meeting the needs of diverse groups. *Internship hours required. Credit: 3 semester hours.*

EDU 5415 Introduction to Educational Administration

This course develops leadership at the school building level in communicating effectively with diverse stakeholders in the school system, leading comprehensive long-range planning to improve all aspects of schools, creating a supportive learning environment, and managing school finances and facilities to support achievement of educational goals. *Internship hours required. Credit: 3 semester hours.*

EDU 5418 Administrative Theory in Education

This course develops understanding of theories of leadership as they apply to educational settings, and builds leadership abilities in articulating a vision with accompanying goals and objectives, planning the implementation of the vision, and incorporating multiple perspectives and alternative points of view, which include differentiated instruction and strategies for diverse populations. The development of a personal plan for improvement is emphasized. *Internship hours required. Credit: 3 semester hours.*

EDU 5419 Advanced Study in Organizational Theory

The second course in theoretical perspectives closely considers a number of theories to give practitioners access to the research literature of the fields and the frame problems as researchable questions. As an advanced doctoral course, the primary focus is on different perspectives on theory building in educational administration. Second, there is the substance of contemporary theories as they relate to organizational structures and processes. Third, the instructional strategy incorporates the intellectual tasks involved in developing a conceptual framework for candidates' own doctoral research. *Credit: 3 semester hours.*

EDU 5420 Politics of Education

This course develops leadership abilities at the school district level in interacting and communicating effectively with school boards, community agencies, and diverse groups to enhance educational programs based on

theoretical perspectives, advocacy initiatives, and evidence-based practices. It addresses current policies and legislation pertinent to education such as charter schools, merit pay, and responsiveness to federal and state mandates. *Credit: 3 semester hours.*

EDU 5425: Personality, Society and Culture

This class explores the impact of society and culture on the development of personality. It examines the sociological, psychological and anthropological approaches to examining personality. It considers the confluence of nature and nurture in personality development as well as the various socio-cultural factors and how they may impact personality formation and development. Also included is an examination of some of the research tools available in personality research. *Credit: 3 semester hours.*

EDU 5426 Perspectives on Education

This class explores the limits and possibilities of schooling in achieving an educational experience that is equitable and excellent. It examines the various theoretical perspectives (functional, conflict, symbolic, interactionist) and how they contribute to an understanding of what constitutes achievement. Additionally, it considers how ascribed characteristics of race, gender and class intersect with the daily interactions of teachers and students in classrooms (testing, tracking, and teacher expectations) to play an exacting role in the construction of academic success or failure. *Credit: 3 semester hours.*

EDU 5471 Leadership in Instructional Supervision

This course develops leadership strategies and skills at the school building level that are essential for supervising staff within schools and leading professional development to realize the school vision and create a cohesive school culture. It discusses various supervisory approaches grounded in research on instructionally effective schools, and builds leadership abilities in using differentiation strategies for adults and students, and multiple data sources to improve all aspects of the educational program. *Internship hours required. Credit: 3 semester hours.*

EDU 5499 General Review and Exam Preparation-SBL

This course provides a comprehensive review of administrative principles and practices emphasized on the State licensing examination for School Building Leaders. *Credit: 1 semester hour.*

EDU 5551 Organization and Administrative Leadership in Higher Education

An examination of the basic aspects of college and university organization including the background, development, goals, and functions of public and private colleges and universities; the legal status, boards of

control, state and local controls, professional associations and accreditations. *Credit: 3 semester hours.*

EDU 5552 Issues and Problems in the Administration of Higher Education

This course provides a unique opportunity to examine and discuss selected current and pertinent issues and significant problems in the administration of higher education through a study of relevant topics including the following: governance and control of higher education. *Credit: 3 semester hours.*

EDU 5553 Financial Management in Higher Education

This course looks at a broad scope of issues in Higher Education financial management, including budgeting, fiscal projections, resource allocation, and fund-raising. The decision-making process is examined within the context of tuition and other revenue, as well as responsiveness to the political and economic climate. *Credit: 3 semester hours.*

EDU 5554 Global Studies Programs and Distance Education in Higher Education

This course examines the increasing use of technology in Higher Education for global partnerships, networking, and online course delivery. It includes an examination of distance education practices in various universities both in the U.S. and overseas. *Credit: 3 semester hours.*

EDU 5555 Data Management and Accountability in Higher Education

This course examines the various systems that are used to track and analyze data for the various functions within institutions of Higher Education. These include student, faculty, institutional, and financial reporting systems. A special emphasis is on reporting for purposes of federal, state, and accreditation agency accountability. *Credit: 3 semester hours.*

EDU 5556 Psychology and Development of Students in Higher Education

This course looks at the research on student-related issues in higher education, with a view to providing programs and opportunities that enhance students' college experiences and encourage college completion. A special emphasis is placed on supporting students from diverse backgrounds, including students of poverty, students who are first-generation college goers, and students from immigrant backgrounds. *Credit: 3 semester hours.*

EDU 5557 Recruitment, Retention, and Academic Advisement in Higher Education

This course provides a comprehensive overview of the foundations of academic advising, including its history, philosophical and theoretical perspectives, and delivery models, as well as the application and influence of academic advising strategies and practices in modern colleges and university. In addition, an overview of historical and current recruitment and retention theories and practices, and

their relationship to academic advising, will be explored. *Credit: 3 semester hours.*

EDU 5558 Faculty-Student Relations and Pedagogical Models in Higher Education

This course provides a comprehensive overview of pedagogical approaches utilized within the American postsecondary environment, including constructivist, reflective, and inquiry-based approaches. Topics will also include, but are not limited to, the psychological and developmental instructional needs of the contemporary college student, as well as the various economic and sociocultural factors contributing. *Credit: 3 semester hours.*

EDU 5571 Administrative Leadership and Planned Change

This course develops leadership abilities at the school building level in effective supervision of the day-to-day operational practices of the school, and managing school finances from federal, state, and local sources, facilities, and personnel, to achieve educational goals for students, teachers, and other stakeholders. This includes major theoretical constructs underlying organizational culture, curriculum development, and planned change, and support of personnel to assist in their professional development. *Internship hours required. Credit: 3 semester hours.*

EDU 5599 General Review and Exam Preparation SDL

This course provides a comprehensive review of administrative principles and practices emphasized on the State licensing examination for SDL. *Credit: 1 semester hour.*

EDU 5632 Organization and Administration of the Elementary and Secondary School Curricula

This course develops leadership ability at the school district level to implement long-range planning in curriculum development, instructional strategies, classroom organization, and assessment through examination of the historical development of elementary, middle, and high school curricula. It addresses how policies are constructed at the district level for curriculum adoption and monitoring, and processes for change. *Internship hours required. Credit: 3 semester hours.*

EDU 5650 School Based Data Analysis

This course develops leadership abilities at the school building level in using multiple data sources to identify present issues in the school and propose solutions. The course introduces students to basic statistical tools for individual, classroom, department, and school-based data-analysis to support school improvement. It includes interpretation of standard scores and the reliability and validity of assessments. It addresses the need to implement ethical decision-making, and establish accountability systems for student achievement and fiscal responsibility. *Internship hours required. Credit: 3 semester hours.*

EDU 5651 School Community Relations in Education

This course develops leadership abilities at the school building level in communicating and working effectively with community members and organizations to build support for improving student engagement and achievement, and create opportunities for student learning and growth. It includes developing long-range planning for building student, family, and community relationships to identify issues and propose solutions. *Internship hours required. Credit: 3 semester hours.*

EDU 5655 Educational Research and Data Analysis I

(Prerequisite: EDU 5650 or the professor's permission.) This course provides an introduction to the principles of statistical inquiry and their application of an evidence-based approach to educational problems. Students will formulate research questions and hypotheses and use descriptive and inferential statistics to investigate research reports. Students will have hands-on use of computer technology and SPSS to organize and analyze data. Students will learn to use measures of central tendency and variability, standard scores, the normal distribution, correlation and regression, t-tests, ANOVA, and chi-square as well as to compute and interpret statistical power. *Credit: 3 semester hours.*

EDU 5701 Critical Analysis and Review of Research in Education

The course prepares Ed.D. students for developing Chapter 2: Literature Review for the dissertation process. Students examine current theories and research and connect these ideas to their own dissertation research topic. The understanding of how to connect theory and research to a research topic is explored. The format and organization of writing the Literature Review is investigated. *Credit: 3 semester hours.*

EDU 5721 Collective Negotiations

This course develops leadership at the school district level in implementing federal, state, and district policies regarding contractual and personnel matters. It includes an overview of the legal, financial, and ethical aspects of negotiation. *Credit: 3 semester hours.*

EDU 5741 Finance in Education

This course develops leadership abilities at the school district level to create and sustain financial and operational conditions that enable the achievement of State learning standards, implement employment agreements, and allocate resources in accordance with federal and state regulations. The collective bargaining process is discussed, along with the development of a management information system, and effective ways to communicate financial information to stakeholders. *Internship hours required. Credit: 3 semester hours.*

EDU 5743 Educational Planning: An Integration of Professional Capital Agendas

Building upon the framework of 21st Century Shared Leadership model, the course focuses on developing human capital to improve teacher and staff effectiveness and student achievement. The course will investigate professional learning communities, recruitment and retaining teachers/staff, mentoring plans, professional development, coaching, and educational policies. Global initiatives are explored through the connection of local, state and federal agendas. Those "lenses" that are specified and explicated by students within the course place a major emphasis on improving leadership practices through the analysis of case studies, panel discussions, team work, video reviews and simulations. *Credit: 3 semester hours.*

EDU 5750 Catholic School Climate & Culture

This course explores the complementary and sometimes competing demands that are put upon Catholic educational leaders as they fulfill their charge from the Church, to maintain a strong Catholic identity within the school, to form students in a holistic Gospel centered spirituality, and to help students meet standards of scholastic excellence. This charge has become more challenging in a system of increased cultural and spiritual diversity, increased accountability and decreased time and resources. With a focus on the National Standards and Benchmarks for effective Catholic Elementary and Secondary Schools and on the Standards for Catholic Schools in each region, this course is designed for the training of prospective administrators of Catholic schools. It has become increasingly important that Catholic school administrators become the spiritual leaders of their communities. This leadership role involves new and exciting multiple partnerships with pastors, directors of religious education, parents, community leaders, members, and boards of directors. Among issues addressed in this course are an examination of key Church documents, an understanding of the fundamentals of systematic theology, an understanding of the fundamentals of ecclesiology, an understanding of a contextual interpretation of Sacred Scripture, practical exercises in the leadership of liturgical and prayer experiences, a fostering of Catholic identity in a diverse community, and the social justice of academic excellence. The purpose of this course is to further the education and formation of the aspiring Catholic school leader, as the Catholic educational and catechetical leader of the school community, by teaching, interpreting, and applying the understanding of Catholic theology. *Credit: 3 semester hours.*

EDU 5761 School-Based Business Administration for Administrators and Supervisors

This course develops leadership at the school building and school district levels in identifying revenue sources, forecasting building and district expenditures, applying accounting principles, developing data-informed facility and personnel plans, and implementing a strategic business plan in accordance with ethical principles and federal and state regulations. *Internship hours required. Credit: 3 semester hours.*

EDU 5791 Legal Aspects of the Administration of Schools

This course develops leadership abilities at the school building level in setting standards for ethical behavior by example; encouraging initiative, innovation, collaboration, and mutual respect; and applying statutes and regulations and implementing school policies in accordance with ethical principles, and federal and state laws, including managing personnel issues, resolving conflicts, and implementing mandated services. *Internship hours required. Credit: 3 semester hours.*

EDU 5800 Case Studies in Educational Administration

This course develops leadership at the school district level in meeting State standards for leaders through the analysis of cases that represent issues in implementing the vision, goals, curricula, instructional practices, assessment practices, student support, school organization, personnel management, community relations, accountability procedures, and laws that impact educational programs throughout the district. *Credit: 3 semester hours.*

EDU 5811 Administration and Supervision of Services for Diverse Students

This course develops leadership abilities at the school building and school district levels in planning, organizing, implementing, and evaluating support services for students with special education needs, English language learners, and other groups with learning needs to maximize their educational outcomes. The course includes establishing accountability systems for support services, and applying statutes and regulations as required by federal and state laws. *Internship hours required. Credit: 3 semester hours.*

EDU 5890 Independent Study: Administration and Supervision

Prerequisite: Permission and approval of the Chairperson is required. Open to only qualified students who wish to pursue an advanced research project in administration and supervision along with a faculty mentor. *Credit: 3 semester hours.*

EDU 5925 Maintaining Matriculation–Master’s Degree

Master’s degree students not registered for other courses must register for 5925 until all degree requirements are completed and the degree is granted. *No credit. Fee required.*

EDU 5935 Maintaining Matriculation–Advanced Certificate

Advanced Certificate students not registered for other courses must register for 5935 until all degree requirements are completed and the degree is granted. *No credit. Fee required.*

EDU 5940 Maintaining Matriculation–Doctoral Degree

Doctoral students who have NOT passed their comprehensive examinations and are NOT registered for other courses must register for 5940 until all degree requirements are completed and the degree is granted. *No credit. Fee required.*

EDU 5941 Maintain Matriculation-Doc. Diss Publish

Doctoral Students who completed required doctoral seminar EDU 5990 and successfully defended their dissertation may register for EDU 5941 with chair approval. Students must independently complete and meet all dissertation publishing deadlines, to be eligible for graduation. Students who do not meet publication requirements will be required to register for EDU 5990 until completion. *No Credit. Fee Required. Non repeatable.*

EDU 5950 School Building Leader Internship

The SBL Internship develops leadership at the school building level by facilitating hands-on experiences in every aspect of school administration, accompanied by reflective analyses, and connections between evidence-based research and practice. *Credit: 3 semester hours.*

EDU 5951 School District Leader Internship

The SDL Internship develops leadership at the school district level by facilitating hands-on experiences in every aspect of district administration, accompanied by reflective analyses, and connections between evidence-based research and practice. *Credit: 3 semester hours.*

EDU 5980 Special Topics in Educational Leadership

Course offered for advanced studies. A course analyzes current issues, design, and approaches for emerging initiatives. Approved from dept. Chairperson and GPC. *Credit: 3 semester hours.*

EDU 5990 Doctoral Research Seminar

Students who have passed the doctoral comprehensive examination and completed all coursework requirements register for Research Seminar for 3 credits for each semester until

the dissertation is completed and the degree is awarded. *Credit: 3 semester hours. Offered each semester.*

EDU 6121 Orientation to Mental Health Counseling

Prerequisites: None. This course is designed for beginner level mental health counseling students. This course will provide students with knowledge, perspectives, and an introduction to the skills necessary for effective practice as a culturally competent mental health counselor. SJU students will gain the skills necessary for working with individuals from diverse cultural backgrounds in settings such as hospitals, clinics, state programs and/or private practices. The course places an emphasis on ethical and legal considerations in counseling. *Credit: 3 semester hours.*

EDU 6122 Orientation to School Counseling

Prerequisites: None. This course is designed for beginner level school counseling students. This course will provide an examination of the transforming role of the profession, which includes understanding the dynamics of the culture of education, in the 21st century. Students will be introduced to the essential concept of successful counseling by learning about interaction of ethical and legal standards and practices, technology, current research and best practices. *Credit: 3 semester hours.*

EDU 6125 Brief Counseling of Children and Adolescents

Prerequisites: EDU 6206, 6208. This course introduces students to brief counseling methods and techniques for children and adolescents. Interviewing techniques and case conceptualization in terms of evidence-based practices will be emphasized. Strategies for professional counselors to document the effectiveness of counseling interventions will also be presented. *Credit: 3 semester hours.*

EDU 6127 Introduction to Counseling

Prerequisites: None. This course is designed for the beginner level of school and mental health counseling. It will provide students with knowledge, perspectives, and an introduction to the skills necessary for effective practice as a culturally competent counselor. Students will be introduced to the essential concept of successful counseling by learning about the interaction of ethical and legal standards and practices, technology, current research, and best practices. *Credit: 3 semester hours.*

EDU 6128 Grief Counseling:

This course prepares the counseling practitioner for working with individuals experiencing grief, loss, and bereavement. Grief counseling theories will be introduced, as well as techniques for working with those experiencing grief and loss. Additional content will include adult, adolescent, and childhood grief/loss, complicated grief, and mental health concepts,

including DSM-5 criteria. *Credit: 3 semester hours. Prerequisites: None*

EDU 6205 Group Dynamics

Prerequisites: None. This course involves the study of principles of group dynamics—including: group content, group process components, developmental stage theories, leadership styles, group members' roles and behaviors, therapeutic factors of group work and methods of evaluating group effectiveness. Students taking this course are required to develop activities and assignments that demonstrate their cumulative knowledge of a specific topic, and participate in a 10-hour small group activity. *Credit: 3 semester hours.*

EDU 6206 Psychosocial Development: Across the Lifespan

Prerequisites: None. This course provides an overview of human growth and development, across the lifespan. This course focuses on the psychosocial factors involved in understanding individuals across the lifespan, in various cultures, including: current understanding about neurobiological behaviors, models of psychopathology and resilience as well as their relationship with positive development and mental health. *Credit: 3 semester hours.*

EDU 6207 Developmental Counseling

Co-requisites: EDU 6590. The primary objective of this course is to analyze the different developmental stages, established by expert theorists within the counseling field. Students will be required to utilize this knowledge through practical applications. Students will combine theory and practice by developing age and cognitively appropriate activities. The challenging course work will enable students to conceptualize and create developmentally appropriate school counseling group and individual activities. *Credit: 3 semester hours.*

EDU 6208 Counseling and Personality Theories

Prerequisites: None. This course reviews the major theories of counseling, as well as their associated counseling techniques and applications. Students taking this course are required to analyze their similarities and differences, among the theories presented, in order to develop an integrated approach to counseling a client in a provided case study. *Credit: 3 semester hours.*

EDU 6211 Crisis Prevention and Intervention I

Prerequisites: None. This course is designed to introduce and increase students' conceptualization of prevention and intervention methodologies, as these terms apply to manage crisis situations either in a school or community setting. Both proactive and reactive strategies will be discussed and demonstrated. This course also utilizes the following resources to provide the most current and accredited methods: research best

practices, social media, guest speakers and student technique demonstrations. Students' active participation is an essential component of this course. *Credit: 3 semester hours.*

EDU 6262 Assessment in Counseling

Prerequisites: None. This introductory course involves the study of the various psychological assessment instruments and techniques relevant to the professional counselor working in schools, clinical settings, or private practice. The psychometric properties of test instruments and their appropriate and ethical use with diverse populations will be discussed. Students taking this course will have to demonstrate their competence in using various strategies to complete a case study. *Fee \$75. Credit: 3 semester hours.*

EDU 6264 Counseling Skills and Techniques

Prerequisites: None. This course introduces students to the counseling skills and techniques that make a counselor successful either in a school or clinical setting. The major approaches to counseling, including counseling microskills, will be studied and demonstrated by the professor and students in a supportive classroom environment. Instruction will include didactic instruction, video presentation, audio taping of clients, and role playing. Active participation in this course is required. *Credit: 3 semester hours.*

EDU 6270 Case Conceptualization, Treatment Planning and Psychopharmacology

Prerequisites: Completion of 24 credits in the clinical mental health program and permission of the advisor. This seminar course in mental health counseling will develop advanced interviewing skills and techniques necessary for differential diagnosis, case conceptualization, and treatment planning using the DSM 5, as well as, for maintaining and terminating the psychotherapeutic relationship. The appropriateness of consultation and collaboration with other mental health providers will be discussed. In addition, the basic classifications, indications, and contraindications of commonly prescribed psychopharmacological medications will be studied along with a discussion of the need for appropriate referrals for medication evaluations. *Credit: 3 semester hours.*

EDU 6301 Career Development

Prerequisites: None. This course will enable students to acquire the knowledge and skills necessary to understand and intervene in other individual's career development as well as understand the variables influencing their own career path. Interrelationship among lifestyle, work place, and career planning are explored. Career development theories, occupational, educational and personal/social information sources and delivery systems, and organization of career development programs are studied. *Credit: 3 semester hours.*

EDU 6305 Practicum in School Counseling

Prerequisites: EDU 6122, 6205, 6264, 6262.

*** Student must file application with program advisor the semester prior to enrollment in practicum.* EDU 6305 is designed to provide graduate students with a minimum of 100 hours of clinical experiences in an approved school counseling setting. A minimum of 40 hours of direct counseling/consultation services and 60 hours of indirect services with students, school personnel, and families, are required at the site. Supervision is provided by a qualified site supervisor, an approved St. John's University clinical associate and by a faculty member. This course includes a weekly seminar with a faculty member, where the student will receive individual and group supervision related to the field experience. *Credit: 3 semester hours.*

EDU 6306 Practicum in School Counseling with Bilingual Students

Prerequisite: EDU 6122 or 6127, 6205,

6264, 6262. ***Student must file application with program advisor the semester prior to enrollment in practicum.* EDU 6306 is designed to provide graduate students with a minimum of 100 hours of clinical experience in an approved bilingual school counseling setting. A minimum of 40 hours of direct counseling/consultation services, and 60 hours of indirect services with students, school personnel and families, are required at the site. Supervision is provided by a qualified bilingual site supervisor, an approved STJ clinical associate and by a faculty member. This course includes a weekly seminar with a faculty member, where the student will receive individual and group supervision related to the field experience. *Credit: 3 semester hours.*

EDU 6307 Research in Counseling

Prerequisite: EDU 6262. This introductory course examines the major qualitative and quantitative models used in counseling research along with the appropriate methodologies for analyzing research results. Students will critically review articles in the professional literature. In addition they will be required to prepare a research proposal consisting of a review of the literature and proposed methodology for the study. *Credit: 3 semester hours.*

EDU 6310 Practicum in Clinical Mental Health Counseling

Co-requisites: EDU 6270. This course consists of placement in an approved clinical setting (hospital, outpatient clinic, etc.) for a minimum of 100 hours during which the student will engage in a minimum of 40 hours of direct service with clients and the remaining hours performing indirect services under the supervision of an approved site supervisor. The practicum experience provides students with the opportunity to integrate theoretical knowledge with practical experience and to apply particular treatment approaches specific to client populations. In addition to the on-site supervision, students will participate in a weekly on-campus seminar in which group supervision

will be provided. A comprehensive case study is required as part of this course. *Credit: 3 semester hours.*

EDU 6311 Internship in Clinical Mental Health Counseling I

Prerequisites: EDU 6310. This course consists of placement in an approved clinical setting (hospital, outpatient clinic, etc.) for a minimum of 300 hours during which the student will engage in a minimum of 120 hours of direct service with clients and the remaining hours performing indirect services under the supervision of an approved site supervisor. The internship experience is the second field experience for students and provides them with additional opportunities to enhance their clinical interviewing and assessment skills, individual and group counseling skills, and consultation skills under the supervision of an approved supervisor. In addition to the on-site supervision, students will participate in a weekly on-campus seminar in which group supervision will be provided. A comprehensive case study is required as part of this course. *Credit: 3 semester hours.*

EDU 6312 Internship in Clinical Mental Health Counseling II

Prerequisites: EDU 6311. This course consists of placement in an approved clinical setting (hospital, outpatient clinic, etc.) for a minimum of 300 hours during which the student will engage in a minimum of 120 hours of direct service with clients and the remaining hours performing indirect services under the supervision of an approved site supervisor. The internship experience is the third field experience for students and provides them with additional opportunities to enhance their clinical interviewing and assessment skills, individual and group counseling skills, and consultation skills under the supervision of an approved supervisor. In addition to the on-site supervision, students will participate in a weekly on-campus seminar in which group supervision will be provided. During the on-campus seminar topics on counselor wellness will also be explored. A comprehensive case study is required as part of this course. *Credit: 3 semester hours.*

EDU 6314 Counseling and Special Education

Prerequisites: EDU 9711 or equivalent and permission of advisor. This course is designed for school counseling and clinical mental health counseling students. The focus of this course involves learning the issues, concerns, and best-practice interventions that support educational and social equity for the exceptional student/individual. Understanding the concepts of impairment, disability, and handicap, current legislation, incidence and prevalence of exceptional students and how counselors can best advocate and empower persons and families to offer every chance for life success and satisfaction will be studied. Students will be taught by didactic and multimedia presentation, interviews, and role-playing. *Credit: 3 semester hours.*

EDU 6364 Counseling the Substance Abuser

Prerequisites: None. This course is designed to introduce students to issues relevant to substance abuse and addiction. The biological, psychological and sociological factors related to the use of alcohol and other drugs will be studied. Assessment, counseling, and treatment approaches are considered as well as the utilization of appropriate community resources and support services. *Credit: 3 semester hours.*

EDU 6424 Case Studies and Community Resources in Counseling

Prerequisites: Completion of 24 credits in the clinical mental health program and permission of the advisor. This course examines the symptoms, causes, and experience of various types of psychological disorders. An emphasis on the case study approach is used to understanding these conditions as well as incorporating theory, research, and socio-cultural issues in developing appropriate treatment options. *Credit: 3 semester hours.*

EDU 6455 Directed Study in Counselor Education

Prerequisite: Permission of the Advisor and the Program Coordinator. Directed study in an area of competence relevant to the student's counseling program. Student works with an advisor to develop an appropriate study plan. *Credit: 3 semester hours.*

EDU 6530 Multicultural Counseling

Prerequisites: completion of 12 credits in the program and permission of the advisor. This theoretical and experiential course introduces students to multicultural issues in counseling theory, practice, and research. Emphasis is placed on three dimensions of multicultural competence: (a) awareness of one's own culture, biases, and values; (b) knowledge of other cultures; and (c) skills in counseling, educating, and advocating for and with ethnically diverse populations. *Credit: 3 semester hours.*

EDU 6590 Internship in School Counseling I

Prerequisite: EDU 6305 and permission of the student's advisor. Students must file application with program advisor and file an application the semester prior to enrollment in the internship. The internship is designed to provide advanced graduate students with a minimum of 300 hours of supervised clinical experience, including a minimum of 120 direct service hours in an approved school counseling setting and remaining hours of indirect service. Supervision is provided through various methods by a qualified site supervisor, an approved STJ clinical associate, and by a faculty member. This course includes a weekly group seminar with a faculty member. Students are required to have malpractice insurance. *Credit: 3-6 semester hours.*

EDU 6591 Internship in School Counseling II

Prerequisite: EDU 6590. ***Student must file application with program advisor the semester prior to enrollment in the second internship.*

The second internship is designed to provide advanced graduate students with a minimum of 300 hours of supervised clinical experience, including a minimum of 120 direct service hours in an approved school counseling setting and the remaining hours of indirect service. Supervision is provided through various methods by a qualified site supervisor, an approved STJ clinical associate, and by a faculty member. This course includes a weekly group seminar with a faculty member. *Credit: 3 semester hours.*

EDU 6592; 6593 Internship in Bilingual School Counseling I, II

The prerequisites and course description are the same as 6590 and 6591, except that the field site is a multicultural school and the candidate works primarily with bilingual/bicultural students. *Credit 3–6 semester hours.*

EDU 6595 Organization and Administration of Personnel Services

Prerequisites: School program core courses. This course focuses on integrating theoretical and practical skills from the prerequisite courses in order to develop and evaluate comprehensive counseling programs in schools. The American School Counseling Association model is used to guide various activities. The various roles of the school counselor and types of services provided are discussed. *Credit: 3 semester hours.*

EDU 6606 and 6607 Supervision of Counseling

Prerequisites: Completion of master's program in counseling, adequate experience as a practitioner, and permission of the Program Coordinator. This first course explores models of supervision and the various processes involved in supervision. The second course involves the evaluation and critique of counseling sessions through actual supervision of counselor trainees. *Credit: 3–6 semester hours.*

EDU 6610 Spiritual Issues in Counseling and Psychotherapy

Prerequisites: None. This course focuses on current research that relates to the integration of spirituality and best-practice counseling and psychotherapy. *Credit: 3 semester hours.*

EDU 6650 Consultation and Evaluation

Prerequisites: Completion of 24 credits in the School Counseling course sequence. This course provides the counselor with the knowledge and skills necessary to analyze the culture of school settings in order to maximize the effectiveness of consultation interventions. In addition there is an emphasis on the integration of the theory and practice of learning and/or behavioral problems of students in K–12 settings. Students will also be taught how to write grants to provide needed resources in their school. Evaluation of outcomes will also be discussed. *Credit: 3 semester hours.*

EDU 6651 Foundations in Mental Health Counseling and Consultation

Prerequisites: Core 6121, 6205, 6264. This course provides students with basic information on the principles and practices of mental health counseling and consultation. Topics include the history and philosophy of mental health counseling, professional identity, the roles of the mental health counselor, professional ethics, integrating theory to practice, various contexts of practice and organizational structures, assessment, prevention, consultation and an understanding of how diversity influences the practice of mental health counseling. *Credit: 3 semester hours.*

EDU 6925 Maintaining Matriculation

Students seeking master's degrees who are not registered for other courses must register for 6925 until all degree requirements are completed and the degree is granted. *No credit. Offered each semester.*

EDU 6935 Maintaining Matriculation

Advanced Certificate students who have not registered for other courses must register for 6935 until all diploma requirements are completed and the diploma is granted. *No credit. Offered each semester.*

EDU 7000 Psychological Foundations of Learning

This course takes a critical perspective on the psychological issues that help contextualize American schools and explain student achievement. We will examine topics related to the psychological facets of learning and education, respectively. The course is aimed at providing students with conceptual tools essential for understanding education. The psychological foundations of the course address the nature of schooling from the perspective of students' cognitive development. It examines both concepts and applications of learning theories. *Credit: 3 semester hours.*

EDU 7001 Curriculum Instruction and Teaching

Basic theories and principles of curriculum and instruction; emphasis on developing and designing a curriculum plan, as well as historical, philosophical and social foundations of curriculum. *Credit: 3 semester hours.*

EDU 7002 Early Childhood Study Abroad Elective: International Perspectives in Early Childhood Education

The study of educational philosophy, culture, policy and practices in early childhood settings abroad. Group travel program elective; offered annually. *Credit: 3 semester hours.*

EDU 7003 Current Issues and Change Theory in Curriculum

Controversial issues related to teaching, learning, supervision and curriculum change; essential knowledge that shapes a person's philosophy of curriculum. *Credit: 3 semester hours.*

EDU 7004 Essential Readings in Curriculum from the 20th Century

Important books of the 20th century, which have shaped curriculum are read and discussed. The relevance of the theoretical perspectives to school and society today are discussed within the context of current political and fiscal climate. *Credit: 3 semester hours.*

EDU 7005 Culturally Relevant Pedagogy and Curriculum

The course introduces students to scholarship related to culturally relevant pedagogy for marginalized and underrepresented students. Students examine the manifold influences of culture—including factors like race, class, place, gender, and language—on teaching and learning within and across in-school and out-of-school contexts. They explore opportunities and challenges to promote culturally relevant learning and to foster social and cultural justice for students, families, and communities. *Credit: 3 semester hours.*

EDU 7006 Study Abroad Elective: International Perspectives in Education

The study of educational philosophy, culture, policy and practices in early childhood, childhood and adolescent settings abroad. Group travel program elective; offered annually. *Credit: 3 semester hours.*

EDU 7106 Understanding the Middle Grades Learner

This course will focus on understanding, celebrating and nurturing the young adolescent. Course topics include historical perspectives on the middle school philosophy, foundations for middle level curriculum theory, characteristics of young adolescents, including physical, cognitive, moral, psychological and social-emotional attributes: identity development; home and community involvement; and the future of the middle grades movement. *Credit: 3 semester hours.*

EDU 7107 Methods of Teaching in the Middle Grades

This course will focus on understanding how to organize school structures and classroom practice to best facilitate learning for the young adolescent. Course topics include: advisory, teaming, scheduling, curriculum, assessment, instruction, athletics and the arts, teacher dispositions that lead to positive learning environments, and the future of the middle school in relation to the 21st-century skills movement. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 7114 Early Childhood Education Associate Teaching

Prerequisite: Completion of pedagogical coursework and permission of the Graduate Committee on Associate Teaching. Observation and participation in teaching in an early childhood school under University supervision at both the Pre-K and the grades

1–2 levels, 4-1/2 days per week. Attendance at weekly seminars is required. *Credit: 3 semester hours.*

EDU 7115 Childhood Associate Teaching

Prerequisite: Completion of pedagogical coursework and permission of the Graduate Committee on Associate Teaching. Observation and participation in teaching in an approved elementary school under University supervision at both the primary (1–3) and elementary levels, 4-1/2 days per week. Attendance at weekly seminars required. *Credit: 3 semester hours.*

EDU 7117 Adolescent Education Associate Teaching

Prerequisite: Completion of pedagogical coursework and permission of the Graduate Committee on Associate Teaching. Observation and participation in teaching in an approved school under University supervision at both the grades 7–9 and the 10–12 levels, 4-1/2 days per week. Attendance at weekly seminars required. *Credit: 3 semester hours.*

EDU 7120 Individualization: Diagnosing Students' Instructional Needs

The development of diagnostic skills to analyze individual learning styles and to then develop instructional prescriptions on the basis of that data. *Credit: 3 semester hours.*

EDU 7122 Programs in Early Childhood Education: Play, Social Learning in Early Childhood Environments

This course examines historical, philosophical and current perspectives on early childhood education programs, including their implications for the role of play in children's development and learning in all domains, cognitive, linguistic, physical, emotional, social, and aesthetic. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 7123 Creative Arts in Linguistically/Culturally Diverse and Inclusive Early Childhood Settings

Through workshop experiences, readings, and reflection, students become familiar with process-oriented approaches to young children's creativity in the arts and with rationales for infusing creative arts into curriculum. Issues regarding sensory integration and assistive technology are explored. *Field work required. Credit: 3 semester hours.*

EDU 7124 Literature in Early Childhood

This course explores the important role of literature in developing young children's oral language and literacy in relation to current early childhood performance standards in the language arts. *Credit: 3 semester hours.*

EDU 7126 Observing and Recording the Behavior of Young Children

This course focuses on young children's growth and development and explores the reasons for and methods of observing young children and teacher-child interaction in diverse early

educational settings. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7127 School, Family and Community Partnerships

This course takes an ecological perspective on supporting children's learning and development through strengthening positive links between school, family, and community. Examines roles of members in interdisciplinary teams and collaborative partnerships in assessing and planning for young students with disabilities. *Credit: 3 semester hours.*

EDU 7128 Integrated Curriculum in Early Childhood

Students learn to design and implement integrated curriculum including both teacher-planned and child-initiated learning experience to address state learning standards in social studies, language arts, mathematics, science, and technology. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7129 Mathematics and Science in Early Childhood

In this course, students explore the teaching and learning of scientific and mathematical concepts and processes through content of relevance and interest to children, Pre-K through second grade. Includes evaluating and integrating technology resources into lesson planning for inquiry-based learning. *Credit: 3 semester hours.*

EDU 7135 Current Trends, Research and Assessment in Social Studies

Current practices and trends; an examination of selected innovative programs and the development of skills and techniques for social studies instruction. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7136 Current Trends, Research and Assessment in Science

Current practices, trends and examination of selected innovative programs and the development of skills and techniques for instruction in science. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7137 Current Trends, Research and Assessment in Mathematics

An examination of the present-day curriculum in elementary school mathematics in addition to current practices and trends with emphasis on the content of modern mathematics. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7138 Current Trends and Research in the Teaching of Language Arts

Current practices and trends; examination of selected innovative programs and the development of skills and techniques for language arts instruction. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7195 Teaching and Learning: Childhood

This course is designed to provide prospective teachers of elementary school students with focused knowledge of learning and development as they relate to teaching strategies and techniques in both urban and rural settings. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7211 Educational Research and Data Analysis II

Prerequisite: EDU 5655. This course develops knowledge and applications of advanced univariate and multivariate inferential statistical methods, multiple correlation and regression, principles of measurement, internal validity, power analysis and effect size. Students will have hands-on use of statistical software such as SPSS to organize and analyze data and engage in critical analyses of published research that exemplifies a variety of statistical techniques. *Credit: 3 semester hours.*

EDU 7217 Creating Basic Audiovisual Media (CF.LIS 217)

Creation and evaluation of multi-media programs for all libraries. Independent projects will require additional laboratory time. *Credit: 3 semester hours. Field trip may be required. Library Science fee: \$25.*

EDU 7222 Philosophical, Historical, and Sociological Foundations of Education

This course focuses upon current issues and problems within the field of curriculum. The course examines conceptions of curriculum as well as historical, philosophical, social, psychological, and intellectual foundations of those conceptions. *Credit: 3 semester hours.*

EDU 7266 Technology for Teaching Literacy in Regular and Special Education Settings

Technology utilization for literacy-based instruction. Emphasis is placed on the ways that technology can be used in the classroom to acquire information, communicate, and enhance learning in grades Pre K–5. *Credit: 3 semester hours.*

EDU 7267 Technology for Literacy-Based Applications in Content Area Learning in Regular and Special Education Settings

Technology utilization for literacy-based instruction in the content areas. Emphasis is placed on the ways that technology can be used to acquire information, communicate, and enhance learning in grades 6–12. *Credit: 3 semester hours.*

EDU 7270 Research Seminar: Investigating and Evaluating Research in the Field of Instructional Technology

This course will focus on investigating and evaluating current research findings and methodologies in the field of instructional technology. Students will explore how theories, research methodologies and technology

research tools are being used to study teaching and learning with emerging technologies. Upon completion of the course, students will develop a literature review and research plan in an area of interest for their dissertation proposal.

Credit: 3 semester hours.

EDU 7290 Human Relations in Multicultural and Inclusive Settings

The course will focus on improving communication skills and relationships with parents, students, administrators and members of the community in a multicultural society.

Credit: 3 semester hours.

EDU 7291 Innovative Strategies in Secondary Education: Social Studies

This course examines issues, perspectives and strategies related to developing a critical pedagogy of reflective practice in secondary social studies education, and is designed around four interrelated themes: 1. Exploring the theoretical and historical underpinnings of history education; 2. Understanding best practices related to methods of social studies education at the adolescent level; 3. Examining planning and assessment practice and purpose through reflective self-evaluation, and 4. Developing pedagogical practices that are responsive to the context of urban schools and inclusive of the multifaceted identities of metropolitan adolescents and their families.

Field work required: 20 hours. Credit: 3 semester hours.

EDU 7292 Innovative Strategies in Secondary Education: Science

This course examines issues, perspectives and strategies related to developing a critical pedagogy of reflective practice in secondary science education, and is designed around four interrelated themes:

1. Exploring models and theories related to methods of science teaching and learning;
2. Understanding current research on best practices related to methods of science education at the adolescent level;
3. Examining planning and assessment practice and purpose through reflective self-evaluation, and
4. Developing pedagogical practices that are responsive to the context of urban schools and inclusive of the multifaceted identities of metropolitan adolescents and their families.

Field work required: 20 hours. Credit: 3 semester hours.

EDU 7293 Innovative Strategies in Secondary Education: Mathematics

This course examines issues, perspectives and strategies related to developing a critical pedagogy of reflective practice in secondary mathematics education, and is designed around four interrelated themes: 1. Exploring models and theories related to methods of mathematics teaching and learning; 2. Understanding current research on best

practices related to methods of mathematics education at the adolescent level; 3. Examining planning and assessment practice and purpose through reflective self-evaluation, and 4.

Developing pedagogical practices that are responsive to the context of urban schools and inclusive of the multifaceted identities of metropolitan adolescents and their families.

Field work required: 20 hours. Credit: 3 semester hours.

EDU 7294 Innovative Strategies in Secondary Education: Foreign Language

This course examines issues, perspectives and strategies related to developing a critical pedagogy of reflective practice in secondary foreign language education, and is designed around four interrelated themes: 1. Exploring models and theories related to methods of foreign language teaching and learning; 2. Understanding current research on best practice related to methods of foreign language education at the adolescent level; 3. Examining planning and assessment practice and purpose through reflective self-evaluation, and 4.

Developing pedagogical practices that are responsive to the context of urban schools, and inclusive of the multifaceted identities of metropolitan adolescents and their families.

Field work required: 20 hours. Credit: 3 semester hours.

EDU 7295 Teaching and Learning Adolescent

This course involves planning for instruction with a view toward differentiated instructional strategies for all students in both urban and rural settings, in the several content areas, paying special attention to current standards.

Field work required: 20 hours. Credit: 3 semester hours.

EDU 7296 Innovative Strategies in Secondary Education: English (ELA)

This course examines issues, perspectives and strategies related to developing a critical pedagogy of reflective practice in secondary ELA education, and is designed around four interrelated themes: 1. Exploring models and theories related to methods of ELA teaching and learning; 2. Understanding current research on best practices related to methods of ELA education at the adolescent level; 3. Examining planning and assessment practice and purpose through reflective self-evaluation, and 4. Developing pedagogical practice that is responsive to the context of urban schools and inclusive of the multifaceted identities of metropolitan adolescents and their families.

Field work required: 20 hours. Credit: 3 semester hours.

EDU 7297 Introduction to Research Methods

Surveys methods of qualitative and quantitative inquiry into educational issues from Grade B–12 in mainstream and inclusive

settings marked by racial, ethnic, linguistic, and cultural diversity. Students will analyze and synthesize research relevant to selected topics in literacy, home-school-community relations and other program-related areas of interest in early childhood, childhood, adolescent education or education for inclusive, educationally disadvantaged students. *Credit: 3 semester hours.*

EDU 7300 Educational Assessment of Young Children with Exceptionalities (cf. EDU 9733)

Prerequisites: EDU 9737 and EDU 7126. Use of formal and informal strategies for assessment and evaluation of young children with exceptionalities. Emphasis in interdisciplinary and family collaborator in collection and analysis of assessment data for formulation of interventions. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 7301 Curriculum Modifications for Teaching Students with Disabilities in Diverse Early Childhood Setting (cf. EDU 9734)

Focuses on adapting general education curriculum, methods, technology, resources and materials to support students over a wide range of disabilities and cultural/linguistic backgrounds in meeting state learning standards. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7302 Early Intervention and Provision of Services for Preschoolers with Special Needs (cf. EDU 9736)

Highlights needs of infants, toddlers and preschoolers with or at risk for developmental delays or disabilities. Examines assessment and intervention processes and strategies in a variety of natural environments and issues in the transition to preschool environments. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 7303 Research on Issues in Early Childhood Special Education

Focus on relationships between research, theory and practice in providing appropriate services for infants, toddlers and young children with special needs. *Credit: 3 semester hours.*

EDU 7304 Practicum in Special Education-Early Childhood (cf. EDU 9739)

(Prerequisites EDU 7114, Core Special Education courses and permission of instructor)

Applications of instructional strategies for students with disabilities in inclusive or special education settings, under university supervision. Students will learn the means for identifying and reporting suspected child abuse, and maltreatment and the prevention and intervention of child abduction, school violence and alcohol, tobacco and other drug abuse. A minimum of 25 days or 150 hours of field work required. Seminar attendance required. *Credit: 3 semester hours.*

EDU 7319 Approaches, Strategies and Materials for Literacy Development

Study of various approaches to reading instruction; analysis of strengths and weaknesses of each mode; classroom grouping and management procedures for reading instruction. *Credit: 3 semester hours.*

EDU 7334 School Media Centers (Cf. LIS 234)

Introduction to the organization and functions of school media centers. Discussion of the educational setting, program relationships within the school and the community, finances and budgeting, staffing, services and program planning. Emphasized are operations of the building level media program. *Credit: 3 semester hours. Field trip required.*

EDU 7399 Field Research in Reading and Learning

This course serves as a combined seminar and practicum in which a variety of approaches to teaching students to read are explored and field-tested. Students are required to use previous research as the basis for the development of experimental study focuses on the application of varied reading ideologies for students with diverse learning styles and to submit their findings in a manuscript for publication. *Credit: 3 semester hours.*

EDU 7410 Identification of the Gifted and Talented

This course examines the identification of gifted/talented and high ability students and factors involved with the development of their talents. Multiple criteria are illustrated in the identification process and special emphasis is placed on diverse students. This course is designed to satisfy NY State license extensions for teaching gifted students, for which an internship will be required. *Credit: 3 semester hours.*

EDU 7411 Introduction to Designing Programs, Curriculum and Materials for the Gifted and Talented

This course develops ability in the design of appropriate programs, curriculum and materials for gifted/ talented and high-ability students groups along with a critical review of relevant research and contrasts of alternative models and perspectives within gifted education. This course is designed to satisfy NY State license extensions for teaching gifted students for which an internship will be required. *Credit: 3 semester hours.*

EDU 7412 Teaching Creative Thinking and Problem Solving to Gifted and Talented Students

This course responds to immediate and long-range needs of gifted/talented and high-ability students by promoting the achievement of basic skills and experience in creative thinking and problem solving both globally, and within various subject areas, along with critical review of relevant research. This course is designed to satisfy NY State license extensions for teaching

gifted students for which an internship will be required. *Credit: 3 semester hours.*

EDU 7413 Professional Collaboration and Leadership in Gifted Education

This course will cover collaborative models of professional development and program evaluation for gifted/talented and high-ability students' education, major issues and leadership concerns in the field, e.g., including underrepresented populations and integrated gifted practices school-wide and system-wide. Students will investigate how to network and disseminate information on gifted education. This course is designed to satisfy NY State license extensions for teaching gifted students for which an internship will be required. *Credit: 3 semester hours.*

EDU 7440 Designing, Implementing and Evaluating In-Service Programs

This course examines, through reading and discussion of current research and literature, characteristics as well as theoretical frameworks of effective in-service design processes. Models of effective in-service programs are analyzed and adapted to address students' educational needs and settings. *Credit: 3 semester hours.*

EDU 7550 Introduction to Doctoral Research

This seminar will be the springboard for doctoral dissertation research through introducing students to the resources available and processes involved in constructing a dissertation study. Students will learn how to conduct a conceptual and methodological analysis of prior research in their fields of study, how to design feasible and ethical research projects, and strategies for dissemination of research. *Credit: 3 semester hours.*

EDU 7555 Planning for Curriculum Development in Elementary and Secondary Schools

Theories of learning and relevant research; study of the curriculum decision-making process; research evaluation and practice concerning operational aspect of educational objectives; behavioral analysis of educational tasks. *Credit: 3 semester hours.*

EDU 7559 Introduction to Doctoral Research

This course will lay the foundation for doctoral research by (a) stimulating student thinking on current national issues in the field of education; (b) assisting students in acquiring the basic research tools they need for formulating a research plan; and (c) assisting students in defining themselves as researchers, who are to be future leaders in the area. *Credit: 3 semester hours.*

EDU 7579 Observational Analysis for Teachers

Macro-and micro-analyses of teaching through the use of affective, cognitive, verbal and non-

verbal observational systems are discussed, along with a critical analysis of current research on teaching approaches and practices. *Credit: 3 semester hours.*

EDU 7580 Analysis of Teaching and Educational Process

The relationships that exist between instructional objectives and teaching behavior; applications of human development and learning concepts as they relate to specialized teaching methods and materials. Research results and selected generic theories of teaching behavior are used to extend the teacher's concept of the teaching-learning process. *Credit: 3 semester hours.*

EDU 7585 Capstone: Assessment of the Learning Process

This culminating course in the Master of Education students' teacher education program offers an opportunity for students to design, plan, draft, revise, and finalize a research /thesis project. This project demonstrates the understandings and analyses of education that the students have accumulated through their university course work and field work. *3 semester hours.*

EDU 7590 Communications and Human Relations

The educational implications of prejudice and sexism are examined as well as the development of skills necessary to identify needs of adolescents; training for group facilitating related to the classroom and the development of communication skills are also discussed. *Credit: 3 semester hours.*

EDU 7663 Using Technology in the Study of Qualitative Research Methodology

Students in this course will learn how qualitative data analysis software can be used as a tool to enhance the research analysis process. This course will integrate theory with applications, as well as provide instruction on how to use the software. Students will use both text analysis and qualitative analysis software programs in a study where they design the instruments, collect the data, and analyze the results. *Credit: 3 semester hours.*

EDU 7664 Foundations of Online Learning

This course provides an introduction to the field of e-learning and distance education. The course provides learning opportunities to understand the foundations, theories, research, and delivery technologies of distance education. Learners explore current e-learning tools used in online and blended instruction. The emphasis is on pedagogy and the learner, rather than the technology itself. Learners also engage in activities that involve applying effective design and teaching strategies to a course module appropriate for their teaching. *Credit: 3 semester hours.*

EDU 7665 Leadership in Technology I (cf. EDU 5665)

This course develops leadership abilities at the school building and school district levels to understand the administrative and instructional uses of technology; validate improvements in curriculum development and instructional practices through the integration of technology; to make decisions about future hardware and software enhancement, consistent with the National Technology Standards, as they pertain to classroom, school, and district goals for students, including students with diverse learning needs; and to make decisions about future technology for professional development at all levels. *Credit: 3 semester hours.*

EDU 7666 Developing Curriculum Materials for the Web

This course explores online technology tools that can enhance teaching and learning in the K–12 classroom. Fueled by research and real world applications, this course examines several forms of interactive multimedia and online experiences that support student cognition through the use of appropriate websites and the creation of tools like wikis, WebQuests, and curriculum webs. A curriculum web is a website designed to support a specific curriculum plan while utilizing electronic resources. Students will evaluate, design, and construct assistive learning tools that integrate powerful topics with innovative online resources that embrace principles of the common core. This course will cover detailed procedures, standards and protocols for technology integration in the classroom and provide students with firm understanding of ways to support the diverse learning needs and interests of students. The course assumes a basic knowledge of computers, including use of e-mail, the Internet, and word processing. Most important this class assumes a willingness to put time and energy into the planning and development of online resources and assignments. *Credit: 3 semester hours.*

EDU 7667 Foundations of Instructional Design for Technology-Supported Learning

This course provides an introduction to instructional design for technology-supported learning. The purpose is that students gain an understanding of the field, learn to analyze a subject domain and to design, develop, implement, and evaluate technology-supported learning experiences to facilitate student construction of knowledge in that domain. Students will apply knowledge of approaches to teaching and learning of cognitive, psychomotor and affective goals, approaches to formative evaluation of instructional design and communication and collaboration technologies in the design of a learning experience. *Credit: 3 semester hours.*

EDU 7668 Computer Technology in Education

This course considers the three ways in which computers can be used in instruction; as tutors, tools, or tutees. Examples of each of these uses are examined in terms of the theories of learning and curriculum implicit in each. Authoring systems, which allow teachers to design computer-assisted instruction, are used. *Credit: 3 semester hours.*

EDU 7669 Leadership in Technology II (cf. EDU 5669)

Prerequisite: EDU 5665/7665. This course focuses on using technology to make data-driven decisions for effective school leadership. It explores the role of data in making effective instructional, financial, and administrative decisions in schools Development and application of data-management and data-driven decision-making processes are emphasized. Current research on technology in educational settings is critically examined. *Credit: 3 semester hours.*

EDU 7701 Research Development in Instructional Strategies

Emphasis is placed on leadership strategies and supervisory skills for instructional improvement and teacher's professional growth; current trends and innovations in planning, development, implementation and evaluation of supervisory programs. From classroom lectures and discussions, readings from current literature, and the preparation of written assignments, the student should acquire specific knowledge of effective practices in instructional supervision. *Credit: 3 semester hours.*

EDU 7703 Analysis of Alternative Innovative Strategies

The purpose of this course is to examine educational alternatives through historical, sociological and philosophical analyses of schools and education. Study of the origin, the characteristics and the current directions of educational alternatives provide the framework for this course. *Credit: 3 semester hours.*

EDU 7708 Trends and Techniques in the Evaluation of Programs

This course will provide information about approaches to formative and summative program evaluation. It will include the establishment of evaluation criteria and standards, data gathering and analysis techniques, utilization of evaluation data, criteria for judging evaluations, and ethical issues in program evaluation. Case studies will be used to illustrate application of theoretical issues in evaluation to practical situations. *Credit: 3 semester hours.*

EDU 7712 Change Theory and the Curriculum

The purpose of this course is to help students to better understand the organization of school systems and to suggest ways in

which curriculum specialists can bring about educational change in a systematic and planned way. Curriculum change strategies and tactics based upon recently developed scientific knowledge, concepts and theory are considered. *Credit: 3 semester hours.*

EDU 7715 Issues in Curriculum: Theory and Development

This course reviews the historical evolution of curriculum as a field as well as the works of those who have contributed to this evolution. Traditional as well as contemporary conceptions of curriculum theory, design and development are compared. *Credit: 3 semester hours.*

EDU 7800 Survey Research

This course provides training about how to construct and validate a survey; how to use existing surveys appropriately; how to ascertain validity and reliability from software output; and how to use survey data for analyses. It uses hands-on activities with survey collection and data analysis software. *Credit: 3 semester hours.*

EDU 7890 Independent Study – Instructional Leadership

Prerequisite: Permission and approval of Chairperson is required. Open to only qualified students who wish to pursue an advanced research project in a curriculum or teaching area along with a faculty mentor. *Credit: 3 semester hours.*

EDU 7891 Independent Study – Curriculum and Instruction

Prerequisite: Permission and approval of Chairperson is required. Open only to qualified students who wish to pursue an advanced research project in a curriculum or teaching area along with a faculty mentor. *Credit: 3 semester hours.*

EDU 7900 Qualitative Research – Methods in Education

This course focuses on a variety of qualitative approaches to discipline and inquiry that can be brought to bear on the problems in education and also examines underlying theoretical frameworks of these approaches. The course provides opportunities for students to develop knowledge and skills in the various qualitative techniques and methods. *Credit: 3 semester hours.*

EDU 7901 Educational Research and Data Analysis III

Prerequisites: 5655 and 7211. This course advances the principles and concepts developed in earlier research courses through practical applications and field-based studies. The course will include instrument development, data collection strategies and advanced data analysis techniques using statistical software. *Credit: 3 semester hours.*

EDU 7902 Advanced Qualitative Research in Education

Prerequisites: EDU 5655, EDU 7900. This course will expand student expertise in the paradigms and strategies used when conducting ethnographic and other narrative forms of research. Students will design and implement field-based projects, apply reflective analytic techniques, and communicate findings using various approaches. Students will also develop familiarity with software used for qualitative data analysis as applied to narrative text, artifacts, and media. *Credit: 3 semester hours.*

EDU 7925 Maintaining Matriculation – Master’s Degree

Master’s degree students not registered for other courses must register for 7925 until all degree requirements are completed and the degree is granted. *No credit. Fee required.*

EDU 7935 Maintaining Matriculation – Advanced Certificate

Advanced Certificate students not registered for other courses must register for 7935 until all degree requirements are completed and the degree is granted. *No credit. Fee required.*

EDU 7940 Maintaining Matriculation – Doctoral Degree

Doctoral students not registered for other courses must register for 7940 until all degree requirements are completed and the degree is granted. *No credit. Fee required.*

EDU 7941 Maintain Matriculation-Doc Diss Publish

Doctoral Students who completed required doctoral seminar EDU 7990 and successfully defended their dissertation may register for EDU 7941 with chair approval. Students must independently complete and meet all dissertation publishing deadlines, to be eligible for graduation. Students who do not meet publication requirements will be required to register for EDU 7990 until completion. *No Credit. Fee Required. Non repeatable.*

EDU 7980 Special Topics in Educational Leadership

Courses offered for advanced studies. A course analyzes current issues, design, and approaches for emerging initiatives. Approval from department chairperson and GPC. *Credit: 3 semester hours.*

EDU 7990 Doctoral Research Seminar

Students who have passed the doctoral comprehensive examination and completed all coursework requirements register for Research Seminar for 3 credits for each semester until the dissertation is completed and the degree is awarded. *Credit: 3 semester hours. Offered each semester.*

EDU 8000 Community Immersion Research Seminar I

The Community Immersion Research Seminar I is a year-long, 3-credit course that students enroll in during their first year of their doctoral

program. In this course, students will develop and sustain relationships with and among communities in local and/or global contexts. In so doing, students will apply developing understandings of research that relates to pedagogical practices in and for the classroom and community, as well as research that relates to poverty, equity, and corresponding policies and practices. Students will (re)create transformational strategies and approaches to actualize in concert with communities. During the first semester in their doctoral program, students will visit various communities, and students will select a focal community by the start of their second semester. *Credit: 1.5 for two consecutive semester hours.*

EDU 8001 Community Immersion Research Seminar II

Prerequisite: EDU 8000 *Community Immersion I*
The Community Immersion Research Seminar II is a year-long, 3-credit course that students enroll in during their second year of their doctoral program. In this second year of the seminar, students will sustain meaningful relationships with and among members of a local community. In so doing, students will apply developing understandings of research that relates to pedagogical practices in and for the classroom and community, as well as research that relates to poverty, equity, and corresponding policies and practices. In this second year of Community Immersion, students will refine, hone and deepen relationships with community members; working by, with and for the community, students will develop understandings of the community’s strengths and needs. *Credit: 1.5 for two consecutive semester hours.*

EDU 8002 Community Immersion Research Seminar III

Prerequisite: EDU 8000 *Community Immersion II*
The Community Immersion Research Seminar III is a year-long, 3-credit course that students enroll in during their third year of their doctoral program. In this third year of the seminar, students will build on their relationships with members of a local community to co-construct ways to enhance the lives of community members. In so doing, students will apply developing understandings of research that relates to pedagogical practices in and for the classroom and community, as well as research that relates to poverty, equity, and corresponding policies and practices. In the final semester of this course, students will craft a plan for their dissertation research that speaks to the needs and desires of the focal community. *Credit: 1.5 for two consecutive semester hours.*

EDU 8003 Visions of Research I: Qualitative Inquiry

What is the experience of an educators’ team in a charter school? What is the educational experience of immigrant families in a particular

community? These and other questions that may stem from students’ community and research experiences will be the focus of this doctoral-level course. More specifically, the course will address qualitative approaches to studying and analyzing community-related meaning making. Students will develop understandings and skills necessary to design, conduct, and interpret naturalistic studies. Additionally, students will critically examine qualitative data not only to identify current research trends, but also to consider how data can inform decision-making and shape future research. *Credit: 3 semester hours.*

EDU 8004 Visions of Research II: Quantitative Methods for Collecting and Analyzing Data

Does student involvement in community affairs impact achievement? Is there a relationship between school curricula and community-based education? These and other questions that may stem from students’ research experiences will be the target of this doctoral-level course. More specifically, the course will focus on quantitative approaches to studying and analyzing community-related meaning making, including the discussion of causal and correlational questions students develop while in the field. Students will develop understandings and skills necessary to design and interpret studies based on statistical methods. Additionally, students will critically examine quantitative data not only to identify current research trends, but also to consider how statistical measurement can inform decision-making. *Credit: 3 semester hours.*

EDU 8005 Visions of Research III: Research Design for Studying Community

Prerequisite: EDU 8003 *Visions of Research I* and EDU 8004 *Visions of Research II*
This course focuses on educational research methodology to prepare students to use appropriate models, research designs, and evaluation techniques and to study educational problems in curriculum and instruction. Students will develop a proposal for an education field-based research project. *Credit: 3 semester hours.*

EDU 8006 Philosophies of Education

This course provides a study of the educational implications of Idealism, Realism, Neo-Thomism, Experimentalism and Existentialism. Significant factors will include the curricula emphasis, preferred method, ethics, and aesthetics stressed by each philosophy. Attention is placed on the learner’s ability to identify and describe his or her own philosophy of education. Study of philosophical theories will assist in understanding the source of many popular opinions and perceptions regarding education: the anxiety that education is adrift; the concern that educational aims are vague, conflicting, and not conducive to loyalty; beliefs that standards have been

seriously replaced; uncertainty about the role of education in a democratic society; uncertainty about the connection of theory to practice. *Credit: 3 semester hours.*

EDU 8007 Families and Communities as Partners in Education

This course engages doctoral students in research and activities built to develop and enrich understandings of how families and communities can partner with educators toward improving education for all, with particular emphasis on their personal histories in that regard. Students will develop and enact proactive work with families towards that aim. Finally, students will develop an understanding of the process of framing the educational experiences of all constituents. *Credit: 3 semester hours.*

EDU 8008 Global Perspectives within Education

This course extends existing understandings of the world and addresses evolving forms of international relations and cooperation in education. It orients students to understand various theoretical perspectives on globalization and changes to world order, and encourages reflection on the changing context for international relations in education. It also introduces students to key organizations and contributors involved in education internationally through reviews of policies and practices, in, but not limited to county-level governmental offices, bilateral aid donors, international non-governmental organizations, and regional organizations. It encourages debate, writing, and/or field work on global perspectives as they relate to approved topics related to course material and the student's program. *Credit: 3 semester hours.*

EDU 8009 Critical and Historical Perspectives within Education and Educational Research

This course will assist students in understanding both historical and critical perspectives within the landscape of American education. Drawing upon readings from leaders in the field, students will explore epistemology, pedagogy, and curriculum. In this course, students will engage with texts and with each other to identify epistemological stances and to craft their own. Students will engage in a series of short writings, all accompanied by peer review and significant feedback from the professor. The course will culminate in an extended piece of writing that will showcase the students' abilities to engage in scholarly analysis and critique. Students in this course will develop these analyses within their strands and within the field of education as a whole. It is an expectation of the course that students develop their academic writing such that they are equipped to put forth their own ideas in clear, cogent, and concise academic writing. *Credit: 3 semester hours.*

EDU 8010 Dissertation Proposal Seminar

Prerequisite: Requires Chair's Permission. The Dissertation Seminar is a year-long, 3-credit course typically taken in the third year of the program. This course will assist students as they prepare a dissertation proposal, thus guiding them as they transition from coursework to dissertation research and writing. Drawing upon prior and concurrent coursework in research methodologies and community immersion research, as well as strand and elective courses, students will determine a compatible research strategy for dissertation work and develop a proposal for an original research project that would make a significant contribution to both the field and the communities within which the project is situated. Furthermore, students will determine a writing strategy for the dissertation and develop an understanding of the process of submitting and defending the dissertation. *Credit: 3 semester hours.*

EDU 8011 Dissertation/Matriculation

Prerequisite: Requires chair's permission.

EDU 8012 Dissertation/Matriculation

Prerequisite: Requires chair's permission.

EDU 8013 Advanced Research Methods

Prerequisite: EDU 8003 Visions of Research I, EDU 8004 Visions of Research II, and EDU 8005 Visions of Research III.

This is the fourth methods course in the Ph.D. in Curriculum and Instruction, and it offers doctoral students advanced methods to collect, analyze, and interpret material and immaterial artifacts, verbal and nonverbal communication, and digital and nondigital meaning making. Innovative spaces, resources, and techniques will be explored. *Credit: 3 semester hours.*

EDU 8014 Advanced Topics: Literature Review

The Advanced Topics course offers students the opportunity to explore special topics and develop specific skills. This particular course provides an in-depth examination and analysis of the Literature Review in advance of a doctoral candidate's preparation of the dissertation proposal. This course is aligned with the Ph.D. in Curriculum and Instruction by supporting students as they analyze existing literature reviews, as well as develop and apply the skills necessary to prepare an exemplary literature review. *Credit: 3 semester hours.*

EDU 9001 Foundations of Bilingual and Second Language Education

History, and legal/political underpinnings of American education with an emphasis on programs for linguistically diverse learners; examination of exemplary principles, policies, educational models, research, assessment and technology. *Credit: 3 semester hours.*

EDU 9002 Psychology and Sociology of Language and Bilingualism

Social and psychological aspects of bilingualism in the context of current theory and research

on first- and second-language acquisition and use from birth through adolescence. *Field work required. Credit: 3 semester hours.*

EDU 9003 Literacy Development for First and Second Language Learners

Provides students with theory and practice and necessary knowledge and skills for teaching literacy and language arts to monolingual and linguistically/culturally diverse learners. *Field work required. Credit: 3 semester hours.*

EDU 9004 Content Area Instruction for Linguistically/Culturally Diverse Learners

Prepares students with the necessary skills for teaching science, mathematics, and social studies through English as a second language and, as a means for improving English language skills. *Field work required. Credit: 3 semester hours.*

EDU 9005 Teaching English to Speakers of Other Languages and Dual Language Instruction

Theoretical and practical aspects of teaching English to speakers of other languages and dual language instruction for all age groups and language proficiency levels. *Credit: 3 semester hours.*

EDU 9006 Human Development in Cross-Cultural Perspective

Presents a cross-cultural framework for the study of birth through adolescent development. Emphasis is placed on the effects of cultural, heritage characteristics and socioeconomic levels. *Credit: 3 semester hours.*

EDU 9009 Teaching Strategies in the ESL and Bilingual Classroom: Science, Mathematics and Social Studies

Prepares students with the necessary skills for teaching science, mathematics and social studies through English as a second language and as a means for improving English language skills. *Field work required. Credit: 3 semester hours.*

EDU 9010 Linguistics for Teachers of English Language (ELL) and Exceptional Learners (cf. EDU 9710)

An introduction to the fundamental principles of descriptive and theoretical linguistics and the application of linguistic analyses to the teaching of language. *Field work required: 5 hours. Credit: 3 semester hours.*

EDU 9012 Methods of Language and Academic Assessment for ELLs and Exceptional Learners

Methods for adapting and utilizing instruments to assess language proficiency and cultural learning in TESOL, bilingual education and exceptional learners with second-language competencies. *Field work required. Credit: 3 semester hours.*

EDU 9014 Practicum and Seminar in TESOL

Open only to TESOL majors and prerequisite core courses needed. Observation and field-based teaching using conventional and

technological resources in elementary and secondary level TESOL classrooms, under University supervision. Attendance at a weekly on-campus seminar is required. Thesis is conducted based on independent research. *Field work required. Credit: 3 semester hours.*

EDU 9015 Structure of the English Language

Linguistic description and analysis of the major subsystems of present-day American English; phonology, morphology, and syntax. Analysis of major challenges in English grammar for ELLs. *Credit: 3 semester hours.*

EDU 9025 Maintaining Matriculation

Master's students not registered for other courses must register for 9025 until all degree requirements are completed and the degree is granted. *No credit. Offered each semester.*

EDU 9700 Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Educational Settings: Childhood

This course shows students how to become informed consumers of qualitative and quantitative research methods as they apply to general, special and inclusive education. Research study will include examining techniques for promoting collaborative partnerships and strategic instruction and learning for general and special educators. Models of collaboration, theoretical approaches to school-based collaboration and roles of members of interdisciplinary teams will be examined. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 9702 Practicum in Special Education – Childhood

Prerequisites: Core Special Education Courses and permission of instructor. In this combined practicum seminar course, participants will apply research on instructional strategies in educational settings. Students will learn the means for identifying and reporting suspected child abuse, and maltreatment and the prevention and intervention of child abduction, school violence and alcohol, tobacco and other drug abuse. *Field work required: 150 hours. Credit: 3 semester hours.*

EDU 9704 Research in Collaborative Partnerships and Strategic Instruction for General, Special and Inclusive Education: Adolescent

This course shows students how to become informed consumers of qualitative and quantitative research methods as they apply to general, special and inclusive education. Research study will include examining techniques for promoting collaborative partnerships and strategic instruction and learning for general and special educators. Models of collaboration, theoretical approaches to school-based collaboration and roles of

members of interdisciplinary teams will be examined. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 9705 Practicum in Special Education: Adolescent

Prerequisites: Core Special Education Courses and permission of instructor. In this combined practicum seminar course, participants will apply research on instructional strategies in educational settings. Students will learn the means for identifying and reporting suspected child abuse, and maltreatment and the prevention and intervention of child abduction, school violence and alcohol, tobacco and other drug abuse. *Field work required: 150 hours. Credit: 3 semester hours.*

EDU 9706 Curriculum Adaptation and Modification Planning for Exceptional Students: Adolescent

Theories and practice for creating and managing environments that foster learning, acceptance, positive behaviors and developing techniques for differentiated instruction. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 9707 Curriculum Adaptation and Modification Planning for Exceptional Students: Childhood

Theories and practice for creating and managing environments that foster learning, acceptance, positive behaviors and developing techniques for differentiated instruction. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 9710 Linguistics for Teachers of English Language (ELL) and Exceptional Learners (cf 9010)

An introduction to the fundamental principles of descriptive and theoretical linguistics and the application of linguistic analyses to the teaching of language. *Field work required. Credit: 3 semester hours.*

EDU 9711 Education and Accommodating Needs of Individuals with Exceptionalities, K–12

This course presents an overview of issues involving exceptional learners, students with diagnosed disabilities as well as English Language Learners, children with special health-care needs, and children at-risk for school failure. The entire human development from childhood to adolescent will be treated. Focal points of the course lie in issues of demographics, current events, the 7 disability categories including autism, characteristics and remediation of all learners, pertinent laws, community resources, the role of technology (assistive and instructional) and accommodations. Students will learn about the process of special education from assessment, the IEP, to the annual CSE meeting and subsequent placement. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 9712 Educational Assessment of Individuals with Exceptionalities

Centers on the diagnosis and evaluation of individuals with exceptionalities. Formal and informal methods of assessing student learning will be addressed as well as the means of analyzing one's own teaching practice and skill in using information gathered through assessment and analysis to plan or modify instruction. Field work required for interviews, observations, and assessment procedures in school, clinic and/or community settings. Materials fee: \$25. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 9716 Curriculum and Instructional Design for Teaching Literacy to Individuals with Exceptionalities: Childhood

Examines theories and models of how children with exceptionalities process and learn from the oral and written languages and ways to develop curriculum, material and multiple research-validated instructional strategies adaptations in literacy for students with a full range of abilities. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 9718 Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, Social Studies: Childhood

Focuses on planning and implementing curriculum, material, technology, and multiple-validated instructional strategies and programs in mathematics, social studies and science for students with a full range of abilities. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 9719 Principles of Applied Behavior Analysis and Positive Behavioral Supports, K–12

This course familiarizes special education teachers with appropriate behavioral approaches and methods for the instruction and management of individuals with disabilities. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 9726 Curriculum and Instructional Design for Individuals with Exceptionalities: Math, Science, and Social Studies: Adolescent

Focuses on planning and implementing curriculum, material, technology, and multiple-validated instructional strategies and programs in mathematics, social studies and science for students with a full range of abilities. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 9733 Educational Assessment of Young Children with Exceptionalities (cf. EDU 7300)

Prerequisites: EDU 9737 and EDU 7126. Use of formal and informal strategies for assessment and evaluation of young children with exceptionalities. Emphasis in multiple research-validated instructional strategies and adaptations in literacy for students with a full

range of abilities. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 9734 Curriculum Modifications for Teaching Students with Disabilities in Diverse Early Childhood Settings (cf. EDU 7301)

Focuses on adapting general education curriculum, methods, technology, resources and materials to support students over a wide range of disabilities and cultural/linguistic backgrounds in meeting state learning standards. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 9736 Early Intervention and Provision of Services for Preschoolers with Special Needs (cf. EDU 7302)

Highlights needs of infants, toddlers and preschoolers with or at risk for developmental delays or disabilities. Examines assessment and intervention processes, technologies, and strategies in a variety of natural environments and issues in the transition to preschool environments. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 9737 Early Childhood Special Education

Provides an understanding of child development for young children with exceptional needs. Identification, assessment and intervention strategies are presented in the context of the historical, social and legal foundations of special education. *Field work required: 15 hours. Credit: 3 semester hours.*

EDU 9738 Research on Issues in Early Childhood Special Education

Focus on relationships between research, theory and practice in providing appropriate services for infants, toddlers and young children with special needs. *Field work required: 10 hours. Credit: 3 semester hours.*

EDU 9739 Practicum in Special Education Early Childhood (cf. EDU 7304)

Prerequisites: EDU 7114, Core Special Education courses and permission of instructor. Applications of instructional strategies for students with disabilities in inclusive or special education settings, under university supervision. Students will learn the means for identifying and reporting suspected child abuse, and maltreatment and the prevention and intervention of child abduction, school violence and alcohol, tobacco and other drug abuse. *A minimum of 25 days or 150 hours of field work required. Seminar attendance required. Credit: 3 semester hours.*

EDU 9742 Formal and Informal Educational Assessment of Individuals with Exceptionalities: Adolescent

Prerequisite: EDU 9711. Centers on the diagnosis and evaluation of individuals with exceptionalities. Formal and informal methods of assessing student learning will be addressed as well as the means of analyzing one's own teaching practice and skill in using information

gathered through assessment and analysis to plan or modify instruction. Field work required for interviews, observations, and assessment procedures in school, clinic and/or community settings. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 9744 Curriculum and Instructional design for teaching Literacy to Individuals with Exceptionalities: Adolescent

Examines theories and models of how youth with exceptionalities process and learn from the oral and written languages and ways to develop curriculum, material and multiple research-validated instructional strategies and adaptations in literacy for students with a full range of abilities. *Field work required: 20 hours. Credit: 3 semester hours.*

EDU 9955 Maintaining Matriculation

Master's students not registered for other courses must register for EDU 9955 until all degree requirements are completed and the degree is granted. *No credit. Offered each semester. Fee required.*

For a complete listing of approved courses, please contact the Dean's Office.

Sandra S. Abrams, *Professor*, B.A.

Washington University, M.A., American University, M.A., New York University, Ph.D., Rutgers University. Adolescent Education; Video Gaming, Virtual Environments, and Learning; Digital Literacies in Academic and Social Domains.

Anthony Annunziato, *Associate Professor*,

B.A., CUNY Queens College; M.S.Ed., CUNY Queens College; Ed.D., Teachers College Columbia University. Educational Administration; Educational Finance; Professional Development; Educational Policy.

Katherine C. Aquino, *Assistant Professor*, B.S., Fordham University; M.A., Georgian Court University; Ph.D., Seton Hall University; Adv. Cert., Manhattan College. Socio-academic transitioning into and within the postsecondary environment; students with disabilities; student-college match; post-traditional students; assessment and program review; instructional design and delivery within postsecondary curriculum.

James S. Bethea, *Associate Professor*, B.S., Mount Olive College; M.S., Boston University; Ph.D., The University of Iowa. Spirituality in Counseling; Students with Disabilities, Substance Abuse and International Rehabilitation in Poor and Developing Countries.

Brett Elizabeth Blake, *Professor*, B.A., State University of New York, Stony Brook; M.A., Northwestern University; Ph.D., University of Illinois at Chicago. Socio-cultural dimensions of adolescent language and literacy development among urban and English-language learners; language acquisition; gender equity; curriculum reform in middle schools.

James R. Campbell, *Professor*, B.S., Fordham University; M.S., Syracuse University; Ph.D., New York University. Instructional Process and Analysis; Gifted Education.

Elizabeth Chase, *Assistant Professor*, B.A., Barnard College, Columbia University; M.S.T., Pace University; Ed.D., Teachers College, Columbia University.

Xioajun June Chen, *Assistant Professor*, B.A., Hunan University, China; M.Ed., University of Manchester, UK; Ph.D., Purdue University. Interdisciplinary learning and teams, issues of technology integration, international development and cultural perspectives on instructional technology.

Seokhee Cho, *Professor*, B.A., M.A. Ewha Women's University, Korea; Ph.D. in Ed.Psy., University of Alberta, Canada; Gifted Education, Educational measurement and evaluation, Cognitive Psychology, Learning Psychology, Individual differences, Education of Learning Disabled, Instructional Methodology, Teacher Training, Open Education, Early Childhood Education.

Gina Cicco, *Associate Professor*, B.S., M.S.

Ed., Ed.D., St. John's University. Online counseling instruction, online supervision for counselors-in-training, partnerships among school counselors and teachers, perceptions on the role of school counselors, and higher education academic advisement practices.

James Coviello, 2018 Doctor of Education: Educational Leadership and Foundations The University of Texas at El Paso, El Paso, TX. 2011 Master of Arts in Education: Teaching Saint Peter's University, Jersey City, NJ. 2004 Bachelor of Arts in Fine Arts: Music History Syracuse University, Syracuse, NY

Barbara Cozza, *Professor*, B.F.A. CUNY-Hunter College; M.S. CUNY—Hunter College; Ph.D. Fordham University. SBL/SDL Professional Diploma, Curriculum and instruction, professional development, cognition, international education. Woman in higher education leadership, educational reform issues and PK-16 partnerships.

Della DeKay, *Associate Professor*, B.A., Southwest Missouri University; M.A., Teachers College, Columbia University; Ed.D., Teachers College; JD Pace Law School. TESOL, Cultural Diversity, Philosophy and History of Education.

Catherine DiMartino, *Associate Professor*, B.A., Haverford College; M.A., Columbia University, Teachers College; M.A., Columbia University, Graduate School of Arts and Sciences; M.S., Columbia University, Teachers College; Ph.D., New York University, The Steinhardt School of Culture, Education and Human Development.

Michael P. Downton, *Associate Professor*, B.A. Purdue University, Ph.D., Indiana University, Learning and Developmental Sciences.

Robert Eschenauer, *Associate Professor*, B.A., St. Francis College; M.S., St. John's University; Ph.D., St. John's University; Adv. Certificate School Psychology, City College, Counselor Education; Assessment, Individual Counseling, Outcome Research, Therapeutic Communication, Clinical Hypnosis, Reflective Practice.

Andrew D. Ferdinandi, *Associate Professor*, B.S., M.S., P.D., Ed.D., St. John's University. Counselor Education; Working with Mental Illness and Dual Diagnosis Individuals; Assisting Troubled Teens with Substance Abuse and Truancy.

E. Francine Guastello, *Associate Professor*, B.S., M.S., Ed.D., St. John's University. Literacy; B.S. Elementary Education, M.S. Reading Specialization N-12, P.D. Administrative & Instructional Leadership, Ed.D. Educational Leadership & Curriculum Instruction. Program Developer and Coordinator of the Graduate Literacy Program.

Smita Guha, *Associate Professor*, B.A., M.A. University of Calcutta; M.Ed., Ph.D. State University of NY at Buffalo. Math and technology in Early Childhood Instructions.

Aliya E. Holmes, *Associate Professor*, B.S., M.S., Ph.D., University of Albany. Teacher mentoring related to technology integration in the classroom, online learning, professional development.

Samuel E. Jackson, *Assistant Professor*, B.S. York College; M.A. Brooklyn College Graduate School of Education; Ph.D., The Graduate School and University Center, City University of New York. Urban Education.

Elena Jurasaite-O'Keefe, *Associate Professor*, M.H., Vilnius State University, Lithuania; Ph.D., University of Siauliai, Lithuania; Ph.D., University of Michigan.

Ishita Khemka, *Associate Professor*, B.A., Delhi University; M.A., Teachers College, Columbia University; Ph.D., Columbia University. Research in special education, intellectual and developmental disabilities and autism; interpersonal decision-making theory, peer-victimization, bullying, and abuse prevention training; arts and literacy.

Ming-hui Li, *Associate Professor*, B.A., Soochow University, Taipei, Taiwan; M.A., University of Colorado; Ed.D., Texas Tech University. Counselor Education; Stress and Self-Efficacy as Predictors of Coping; Counseling Socially Troubled Children and Parent-Child Relationships.

Stephen Kotok, *Associate Professor*, B.A., University of Wisconsin; M.S., University of Pennsylvania; M.A., Teachers College, Columbia University.

Mary Ann Maslak, *Professor*, B.M.T., B.M.E., Shenandoah University; M.Ed., Ph.D., Pennsylvania State University. Gender Equity in Education; Social Mobility and Education; International and Comparative Education.

Donald R. McClure, *Assistant Professor*, B.Mus., Central Michigan University; M.Ed., University of Notre Dame, Ph.D., Michigan State University.

Seung Eun McDevitt, *Assistant Professor*, B.S., Bucknell University; M.A., Brooklyn College, CUNY; Ed.D., Columbia University. Immigrant children and English language learners with disabilities; teacher education and development in early childhood/early childhood special education; teacher diversity.

Maria Mello, *Assistant Professor*, B.A., Swarthmore College; M.Ed., Vanderbilt University; Ph.D., Vanderbilt University. Transition to adulthood for adults with intellectual disabilities and autism; housing and residential living; acquisition of independent living skills; inclusive postsecondary education for young adults with IDD; special education advocacy; and service delivery system for underserved communities.

Regina Mistretta, *Professor*, B.S., St. John's University; M.S., Brooklyn College; Ed.D., Teachers College at Columbia University. Mathematics Education in Elementary, Middle and Secondary School Levels, Professional Development 1–8, Technology Education in Mathematics. Parental involvement in mathematical learning.

Nancy Montgomery, *Associate Professor*, B.S., M.S., Indiana University; Ph.D., New York University. Adolescent Education; English/Literacy Education; especially the teaching of writing, writing with computers and cooperative learning; Arts Education.

Nancy Morabito, *Assistant Professor*, B.A., University of Virginia; M.Ed., Vanderbilt University; Ph.D., Vanderbilt University. Teachers' conceptions and Teaching of the nature of Science.

Audrey Figueroa Murphy, *Associate Professor*, B.A., Queens College, Spanish Education; M.S., St. John's University, Bilingual Education; P.D., Ed.D., St. John's University, Administration and Supervision.

Daniel Ness, *Professor*, B.A., SUNY at Albany; M.A., Columbia University, Teachers College; M.A., Columbia University, Graduate School of Arts and Sciences; M.S., Columbia University, Teachers College; Ph.D., Columbia University, Graduate School of Arts and Sciences.

Ceceilia Parnter, *Assistant Professor*, B.F.A., West Virginia University; M.Ed., Loyola University Chicago; Ph.D., Western Michigan University. Academic Integrity promotion and cheating prevention with emphasis on the role of course design, institutional support, and faculty development; college access and persistence with emphasis on the role of institutional mentors; meaning making of mentorship.

Barbara Peltzman, *Associate Professor*, B.S., Mills College of Education; M.S., St. John's University; Ed.D. Curriculum and Instructional Practices, Teachers College, Columbia University; PD, Reading, Hofstra University.

Yvonne K. Pratt-Johnson, *Professor*, B.A., State University of New York at Stony Brook; M.S., Georgetown University; M.A., M.Ed., Ed.D., Teachers College at Columbia University. Bilingual Education and TESOL; Literacy Development Among Second Language Learners; Jamaican Creole/Educating Creole-Speaking Students in American Schools.

Heather Robertson, *Associate Professor*, B.A., Syracuse University; M.S., Texas A&M; Ph.D., Virginia Tech. Military to civilian career transition and life satisfaction of veterans and military families, college parent involvement and student retention in higher education settings.

Jerrold Ross, *Professor and Dean Emeritus*, B.S., New York University; M.S., Queens College, CUNY; Ph.D., New York University; D.Hum. (HON), Emerson College. Education, Arts Education, Administration and Assessment.

Michael R. Sampson, *Professor*, B.S. East Texas State University; M.Ed., Texas A and M—Commerce; Ph.D., University of Arizona. Reading comprehension, English language acquisition and historical research as an author of children's literature.

Mary Beth Schaefer, *Associate Professor*, B.A., Queens College; M.A., Queens College; M.A., Texas Woman's University; Ed.D., University of Pennsylvania. Adolescent Literacy; Middle School; Career Development in Secondary Schools; Socio-Cultural Influences in Readers' Responses to Literature.

John Spiridakis, *Professor*, B.A., State University of New York at Stony Brook; M.S., Ph.D., Florida State University. Bilingual/Multicultural Education and TESOL, second and heritage language research development.

Olivia Stewart, *Assistant Professor*, B.A., University of Arizona; M.Ed., Arizona State University; Ph.D., Arizona State University. Digital Literacies, Multiliteracies, Multimodality, Writing, Alternative Authoring Paths, Sociocultural Theory.

The Peter J. Tobin College of Business

Norean R. Sharpe, M.S., Ph.D.,
Dean

Nina T. Dorata, Ph.D., C.P.A.,
Associate Dean of Strategic and External Partnerships

Adrian P. Fitzsimons, Ph.D., C.P.A.,
Associate Dean for Academic Programs

Niall Hegarty, M.B.A., Ed.D., *Associate Dean for Undergraduate Programs*

Christopher Long, Ph.D., *Director of Faculty Research*

Susan L. McCall, M.B.A.
Assistant Dean and Associate Director of Academic Advisement, Queens Campus

Donna M. Narducci, M.S., Ed.D.,
Associate Dean, Staten Island Campus and Distance Learning Programs

John J. Neumann, D.B.A., *Associate Dean for Faculty, Director of Graduate Programs*

Linda M. Sama, M.B.A., M.Phil, Ph.D.,
Associate Dean for Global Initiatives and Joseph F. Adams Professor of Management, Executive Director-Center for Global Business Stewardship

Jennifer Chibatar, M.S.E.D.
Assistant Dean, Queens Campus

Carol J. Swanberg, M.B.A.
Assistant Dean, Staten Island Campus and Distance Learning Programs

Laura Vega-Konefal, M.S.E.D.
Assistant Dean and Associate Director of Academic Advisement, Manhattan Campus

Kwok-Fai Matthew Wong, B.A., M.B.A., J.D., Ph.D., *Director of the M.B.A. Programs*

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Kwok-Fai Matthew Wong, M.B.A., J.D., Ph.D., *Director of the M.B.A. Programs, Associate Professor of Finance, wongkf@stjohns.edu.*

Objectives

The Peter J. Tobin College of Business prepares graduates for rewarding managerial and professional careers.

Its educational programs combined with progressive technology provide the practical experience, solid knowledge base, strong ethical foundation and global perspective graduates need to make immediate and valuable contributions as business professionals.

The Tobin College faculty carry out its responsibility for this preparation through excellence in teaching, supported by a commitment to applied business research.

Professional Accreditation

Tobin College strives for teaching excellence in the theory and practice of business administration. It is accredited by AACSB International—The Association to Advance Collegiate Schools of Business. AACSB International is recognized by the Council on Postsecondary Accreditation and by the U.S. Department of Education as the accrediting agency for bachelor's and master's degree programs in business administration. The Tobin College is one of the few business programs in the world that have attained this prestigious accreditation. The programs in Accounting, Risk and Financial Advisory and Taxation at the Tobin College are separately accredited by AACSB International.

AACSB International standards include an evaluation of faculty adequacy and competence, admissions standards and caliber of the student body, library facilities, information technology, financial support of the institution, and the content and breadth of the curricular requirements. The professional curriculum in an AACSB International accredited school stresses a working knowledge of the major areas of business activity, proficiencies in the use of analytical techniques in arriving at logical solutions to management problems, and an appreciation for and dedication to the social and ethical responsibilities of the business manager.

Academic Status

In addition to the general University policies set forth in this bulletin, the following information specifically applies to the Graduate Division of the Tobin College of Business. Students are expected to meet all the requirements of their academic programs and should refer to their respective departmental listings.

Honor Societies

Beta Alpha Psi

Beta Alpha Psi is the national honor society for accounting, finance, and information systems students and professionals. The primary objective of Beta Alpha Psi is to encourage and give recognition to scholastic and professional excellence. This includes promoting the study and practice of accounting, finance, and information systems providing opportunities for self-development, service and association among members and practicing professionals, and encouraging a sense of ethical, social and public responsibility. The Tobin College hosts two chapters of Beta Alpha Psi: the Eta Mu chapter in Queens and the Kappa Zeta chapter in Staten Island.

Beta Gamma Sigma

The Tobin College hosts the Iota chapter of Beta Gamma Sigma, the officially designated honor society of AACSB International. This chapter has been in existence since 1968. To be considered for membership, a student must have graduated or be a candidate for graduation in the current academic year. The election to membership is from the upper 20 percent of the group described above.

Gamma Iota Sigma

The School of Risk Management hosts the Alpha Iota Chapter of this fraternal society, which was established in 1965 to promote, encourage, and sustain student interest in

insurance, risk management, and actuarial science as professions; to encourage the high moral and scholastic attainments of its members; and to facilitate interaction of educational institutions and industry by fostering research activities, scholarship, and improved public relations. The Alpha Iota Chapter has been in existence since 1991. The Chapter offers multiple opportunities for members to interact with and learn from industry leaders, to make contacts with students in other chapters, and to offer community services.

Sigma Iota Epsilon

Sigma Iota Epsilon is the national scholastic honor society in management. Its general purpose is two-fold: to encourage and recognize scholarly excellence and to promote cooperation between the academic and practical aspects of management.

Experiential Experiences

Executive-in-Residence Program

The Executive-in-Residence Program (EIRP) substitutes for MGT 700 which is required of all M.B.A. students. Admission to the program is by invitation only. Students who wish to participate in the program must meet the following criteria:

1. The requirements for enrollment in MGT 700.
2. A minimum grade point index of 3.4.
3. Successfully complete an interview with the Program Director.

EIRP is designed to provide a forum for interaction between practicing executives and the business student to improve student analytical, written and oral communication skills; provide practical insights into issues examined in previous coursework; and enable students to develop effective strategic and business plans.

Students, after meeting with participating executives, work in teams to develop strategic and/or business plans which are then presented to company executives. Participating executives have included the chief executive officers, chief financial officers, senior partners, marketing vice presidents, etc.

Applied Finance Institute (AFI)

Select students are invited to apply for candidacy into the Applied Finance Fellows Program of the AFI. The mission of the AFI is to promote the activities of the Tobin College that are related to the practice of finance for the benefit of our finance students. AFI provides a focal point, encouraging an applied and experiential learning environment, relevant to the practice of finance, in order to prepare Tobin finance students for successful careers. Successful completion of the AFI requirements results in becoming a Fellow of the AFI.

Student Managed Investment Fund

The Student Managed Investment Fund (SMIF) was established as part of the graduate curriculum in Fall 2002. In this program funds are invested by students in listed securities of their choosing under the supervision of faculty and advisory alumni. SMIF provides students with practical experience in asset and portfolio management, equipping them to become immediate contributors to trading or portfolio management activities upon completion of their degree program.

Students interested in taking FIN 684 should contact the chair of the Economics and Finance department to schedule an interview.

Global Destination Courses

Global Destination Courses (GDCs) are designed to provide students with international travel opportunities that expose them to global business practices. The courses combine a rigorous educational component, with an experiential field trip to a global destination. The course component typically runs during the Fall or Spring semester with travel during the Winter (January) or Spring (May) Intersessions or during Spring Break. Course destinations are designed to match a location with the academic course content and includes several site visits to meet with and discuss practical business operations with senior executives as well as cultural activities to all the students to understand and appreciate different cultures.

GDCs are open to students from all campuses who must submit an application for approval prior to registration.

Analytics Lab

The Analytics Lab is a facility whose goal is to enhance the educational and research missions of the Tobin College. The room is equipped with state-of-the-art databases and analytical software tools including Bloomberg and FactSet, 3 LCD screens, a securities markets tracker, 3 overhead projectors, a six time-zone clock, a fully-functional audio-visual podium and a room-length whiteboard projection surface. Its dual-purpose design allows the Lab to serve either as a classroom or as a business research worklab. Professors can bring their students in for selected class sessions which are enhanced by the Lab's features, or they can leverage the Lab's tools to create coursework that provides students with real-world problems and situations to better develop their business critical-thinking skills.

Internship Program

Approval for internship must be sought prior to the start of the semester. Only new internship opportunities qualify for internship credit. In addition, a research project is

required. The equivalent of a full semester's coursework must be completed prior to enrolling in an internship. Students must also be in good academic standing to participate in an internship.

Thesis

The master's thesis integrates academic knowledge and technical skills by employing them in a research task. It aims to widen and deepen the student's understanding of the broad problems of business by systematic investigation and explanation. The thesis itself takes the form of a written report on a faculty-supervised research undertaking. It provides an opportunity to plan and execute a research study while responding creatively to an intellectual challenge determined by the student's own interest.

The three-credit thesis option is recommended by the Tobin College for students with a cumulative graduate index of 3.7 or better or who seek to explore select subject matter of their specialization in great length. The student choosing the thesis option should contact the chairperson of the supervised research area of specialization once they have gained a commitment from a full-time faculty member to act as their mentor.

Academic Information

Honor and Distinction

The M.B.A. "with honors" or the M.S. "with honors" is awarded to students who have completed their degrees with an overall cumulative graduate point average of 4.0. Students who complete their M.B.A. or M.S. degrees with an overall cumulative graduate grade point average of 3.8 or 3.9 are awarded "with distinction" on their transcript.

Advisement and Registration Procedure

The University calendar stipulates the periods for registration. During this period, students must register for their courses in the following semester, since courses with small enrollments may be cancelled or courses with large enrollments may be closed.

During the advisement period, students should make an appointment to see their academic dean in the Graduate Program Office if they have questions regarding their program schedule. Continuing students receive a priority code from their dean to be used with the University's online registration system. New students, students on academic probation, and students with academic holds, must meet with their academic dean in the Graduate Program Office before registering for graduate courses and they will not receive their priority codes until they meet

Academic Warning and Probation

A student in the Tobin College is expected to achieve an index of at least 3.0 (“B”) grade point average for all work carried each semester and to maintain a 3.0 cumulative grade point average for all work completed/ carried in the Tobin College.

A graduate student in the Tobin College will be placed on academic probation if his/ her cumulative grade point average falls below the 3.0 GPA requirement. Failure to show adequate progress toward good academic standing may result in academic dismissal.

Maintaining Matriculation

Graduate students not registered for courses during a semester must maintain matriculation in order to return to the program for their remaining courses. A fee of \$100 per semester is required to maintain matriculation. A student may only maintain matriculation for two consecutive semesters. Thereafter, a student must reapply to the program.

Student Learning Approaches

Fully In-Person Courses: These are the traditional classes, with each in-person session taking place in the same classroom over the course of the semester. The Tobin College expects full attendance from all enrolled students and as such the College does not have an allowable excuse policy. International students must be enrolled in a minimum of nine credits, of which, six credits must be fully in-person (in-class) courses or in hybrid courses. Students receiving government loans must be enrolled in a minimum of six credits.

Hybrid Courses: These courses come in two forms: (a) rotating courses or (b) traditional hybrid courses. In the rotating course model, the faculty member will teach each session in person, but the student will attend either in person or online as part of a 2- or 3-week rotation (i.e., the student will either spend 1 week in person/1 week online, or 1 week in person/2 weeks online). During the “online” weeks, the student will participate in the class via a live stream and/or by viewing a recorded session. In the traditional hybrid model, the faculty member and all students will meet in person one day a week and online for a second weekly session.

FLEX Mode Courses: These courses begin the first seven classes of a semester with in-class instruction enabling the student to meet with peers and interact with the professor. The last seven classes provide a synchronous online learning experience that provides the student the flexibility to complete courses from anywhere. Several MBA students have indicated that the pandemic has changed their lives and the way they prefer to pursue graduate studies. The new “FLEX” mode provides the in-class interaction, networking,

and other benefits of the classroom experience as well as the flexibility of the online format.

Fully Online Courses: These courses also come in two forms: (a) synchronous and (b) asynchronous. In the synchronous format, the faculty member will live stream the course at the day and time scheduled to the entire class, some faculty also record the lectures/sessions for future reference in synchronous mode. In the asynchronous format, the student will not need to log on at a specific date and time. Instead, the student will complete assignments in accordance with a schedule provided by the faculty member. Any lectures or other materials will be recorded so that the student can listen to/view them in keeping with class expectations.

All graduate students, experience the same curricula whether it is taught in a fully in-person course, a hybrid course, a flex course, or a fully online course, are mentored by the same full-time faculty, and graduate with the same valued degrees.

Graduate students who are accepted into an on campus graduate program must register for and complete at least 50% or more of their coursework in on campus classes.

Time Limitation

In general, courses are on a cycle of two years for the master’s degree. Students who are unable to devote their full time to graduate study may extend the time for completing the degree beyond this two-year span. However, all requirements for the degree must be completed within five years.

Transfer of Credit

The general policy of the Graduate Division of the Tobin College of Business pertaining to transfer of credit is as follows:

1. In advanced certificate programs, a maximum of six credits may be transferred from an AACSB accredited college or university with the approval of the chair and the dean.
2. In master’s degree programs, a maximum of twelve credits may be transferred from an AACSB accredited college or university with the approval of the chair and the dean.
3. Requested transfer credits must not have already been used in fulfillment of another degree. The student must present catalog descriptions of the graduate courses for which transfer credit is requested.
4. No credit will be allowed for courses in which the grade attained is below “B” (3.0). In addition, no degree credit will be allowed for courses completed beyond the stipulated time limit (“Time Limitation”). Transfer grades do not affect cumulative quality points.

Incomplete Grades

All “INC” grades must be completed without exception as follows: spring and summer semester INC grades must be completed by October 15th during the next fall semester; and fall semester grades must be completed by March 15th during the next spring semester. If a student receives an “INC” in their last course, then conferral date of degree will be the next conferral after the INC has been completed. Unresolved INC grades permanently remain on transcripts as INC, but do not impact the student’s GPA.

Graduate Assistantships

The Tobin College offers a number of highly competitive graduate assistantships to new incoming students whose applications display high levels of academic achievement. Applicants must pursue full time study (9+ credits each semester) to be eligible to apply for Graduate Assistantships. Those selected are placed with faculty or administrative offices for 15-20 hours weekly in exchange for a partial or full tuition coverage and a possible stipend. Interested students must submit the GA application and essay for consideration.

Scholarships

Scholarships are available through the Tobin College of Business for high achieving individuals. These scholarships range from \$5,000 to \$10,000. Students selected for these scholarships will be notified directly by their program director. Students accepted to the MS ERM and MS RMRA are eligible to apply for the (ILOTY) Insurance Leadership of the Year fellowship, a full tuition fellowship which is designed for high-achieving students. More information can be found at www.stjohns.edu/ILOTY.

GSRM Apprenticeship Program

The Ellen Thresher Center for Career Services at the Maurice R. Greenberg School of Risk Management, Insurance and Actuarial Science (SRM) administers the SRM Apprenticeship Program, providing a structured internship experience that allows students to apply their classroom knowledge to paid professional work with major employers in the insurance and financial services industry.

The GSRM Apprenticeship Program is a selective, competitive program open to graduate students majoring in Actuarial Science, Enterprise Risk Management or Risk Management and Insurance with a minimum cumulative index of 3.0. Students complete work periods of not less than two consecutive academic semesters which may begin during fall, spring or summer. Work schedules may include full-time (35 hours/week) employment during summer and part-time (15-20/week) during spring and fall semesters. Upon successful conclusion of the Apprenticeship

Program, participation is noted on the student's academic transcript.

Curriculum Practical Training (CPT) for F-1 International Students

Students enrolling in internship courses can complete for-credit internships in their areas of concentration. These internships enable our graduate students to apply the skills and knowledge developed through rigorous study in challenging positions offered by several multi-national corporations headquartered in New York City. CPT is only available prior to the completion of your degree program and you must have an internship offer at the time of application. For further information, international students should contact the International Student and Scholar Services Office (ISSSO).

Optional Practical Training (OPT) for F-1 International Students

International Students in F1 status can apply for OPT three months prior to degree conferral and up to two months after. This allows students to stay and work in the United States for a period of one year. Further information is available from the International Student & Scholar Services Office (ISSSO),

STEM

Students who are enrolled in graduate programs in science, technology, engineering, and mathematics disciplines, collectively known as STEM, are eligible for additional years of U.S. work experience. The Tobin College offers a STEM M.B.A. with concentrations in business analytics, finance, financial technology, information systems, risk management and insurance, and sustainability. The Tobin Master of Science programs in business analytics, enterprise risk management, finance, and risk and financial advisory, are also registered as STEM programs.

Academic Admission

Admission to the A.C., M.B.A. or M.S. programs are open only to applicants holding bachelor's degree from accredited institutions who show promise of success in graduate business studies.

For an application to be considered, the applicant should submit the following to the Office of Graduate Admissions:

- A completed application form
- Official transcripts from all colleges and universities previously attended (foreign documents must be accompanied by a certified English translation)
- Results of the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) Note: All

applicants to the A.C. programs, and applicants to the M.S. programs in: Accounting, Enterprise Risk Management, Risk and Financial Advisory, or Taxation, who have completed the uniform CPA examination or a similar examination, are waived from the GMAT/ GRE requirement.

- Two letters of recommendation
- A written statement outlining the applicant's objectives for seeking admission and future plans in relation to graduate business study
- Résumé
- An official TOEFL or IELTS score report is required of applicants whose native language is not English. Students found to be deficient in the English language may be required to complete a University sponsored English placement exam prior to the start of their studies and may be required to take English classes while they begin their graduate studies.
- Students with degrees that were obtained from foreign universities are required to have their coursework reviewed by a faculty member involved in the program and/or specified external reviewer to ensure that the contents covered in such coursework is appropriate.
- Professional experience in business, government, or not-for-profit is recommended but not required.

English Language Requirements

International students entering the Tobin College with an F-1 or J-1 visa not meeting minimum required scores for the TOEFL or IELTS must take the English Language Placement Test. If they are found to be deficient in the above, they must successfully complete the ESL (written and speech) program prior to beginning the second year of their graduate program. The exam is administered by The Language Connection.

Programs of Study

Program Updates and Revisions

To enhance the academic experience and outcome for our students, The Tobin College continuously reviews program requirements and course offerings and may make revisions when necessary. Please consult with your academic advisor or visit our website for updates on our programs.

Queens campus:

Accounting (M.B.A. or M.S.)
Actuarial Science (M.S.)
Business Administration (or A.C.)
Business Analytics (M.B.A. or M.S. or A.C.)
Educational Leadership (M.B.A.)

Enterprise Risk Management (M.B.A. or M.S.)
Entrepreneurship and Innovation (M.B.A. or M.S.)
Finance (M.B.A., M.S. or A.C.)
Global Management (M.S.)
Healthcare Systems (M.B.A.)
Information Systems (M.B.A.)
Interdisciplinary Business (M.B.A.)
Internal and Information Technology Audit (A.C.)
International Business (M.B.A.)
Marketing Analytics (M.B.A.)
Marketing Intelligence (M.S., or A.C.)
Marketing Management (M.B.A.)
Risk and Financial Advisory (M.B.A. or M.S.)
Risk Management (A.C.)
Risk Management and Risk Analytics (M.S.)
Strategic Management (M.B.A.)
Sustainability (M.B.A.)
Taxation (M.B.A. or M.S.)

Staten Island campus:

Accounting (M.S.)

Manhattan campus:

Actuarial Science (M.S.)
Business Administration (A.C.)
Enterprise Risk Management (M.B.A. or M.S.)
Finance (M.B.A. or M.S. or A.C.)
Financial Technology (FinTech) (M.B.A.)
Global Management (M.S.)
Internal and Information Technology Audit (A.C.)
Interdisciplinary Business (M.B.A.)
Real Estate (M.B.A.)
Risk Management (A.C.)
Risk Management and Insurance (M.B.A.)
Risk Management and Risk Analytics (M.S.)

Online Learning:

Accounting (M.B.A. or M.S.)
Actuarial Science (M.S.)
Business Administration (A.C.)
Business Analytics (M.B.A., M.S., or A.C.)
Educational Leadership (M.B.A.)
Enterprise Risk Management (M.B.A. or M.S.)
Entrepreneurship and Innovation (M.B.A. or M.S.)
Finance (M.B.A., M.S., or A.C.)
Financial Technology (M.B.A.)
Global Management (M.S.)
Health Care Systems (M.B.A.)
Information Systems (M.B.A.)
Internal and Information Technology Audit (A.C.)
Interdisciplinary Business (M.B.A.)
International Business (M.B.A.)
Marketing Intelligence (M.S. or A.C.)
Marketing Analytics (M.B.A.)
Marketing Management (M.B.A.)
Strategic Management (M.B.A.)
Real Estate (M.B.A.)
Risk and Financial Advisory (M.B.A. or M.S.)
Risk Management (A.C.)
Risk Management and Insurance (M.B.A.)
Risk Management and Risk Analytics (M.S.)

Sustainability (M.B.A.)
Taxation (M.B.A. or M.S.)

M.B.A. in Accounting

The M.B.A. in Accounting prepares students to leverage their education and skills to become tomorrow's leaders. This two-year, 57 credit program is intended to provide students with broad business knowledge and prepare them for cross-functional decision making.

The M.B.A. in Accounting and the 69 credit combined M.B.A in Business Administration and M.S. in Accounting programs are designed to fulfill the business and accounting education requirements to sit for the Uniform CPA Examination. Undergraduate business majors should consider the M.S. in Accounting program. Students can combine the M.B.A. in Accounting with the M.S. in Taxation (M.S.T.) to reduce the total number of courses required for each degree.

The M.B.A. in Accounting program and its concentrations have been endorsed by such professional organizations as the Institute of Internal Auditors (IIA) through its Internal Audit Educational Partnership (IAEP), the Association of Certified Fraud Examiners (ACFE); the Institute of Management Accountants (IMA); the Information Systems Audit and Control Association (ISACA) as having a model curriculum; and the Association of Certified Chartered Accountants (ACCA). All graduate accounting programs are separately accredited by the AACSB-International – The Association to Advance Collegiate Schools of Business. St. John's is one of 190 universities worldwide that has achieved that distinction.

Curriculum M.B.A. in Accounting

(57 credits – 19 courses)

Business Curriculum (24 credits)

BUA 602	Business Analytics
ECO 606	Industrial Economics
FIN 607	Financial Management
LAW 600	Law, Ethics and the Principled Path in Business
MGT 601	Managing for Global Success
MKT 600	Decisions in Marketing Management
RMI/ERM 601	Risk Management or Foundations of Enterprise Risk Management
MGT 700	Seminar in Business Policy

Professional Curriculum (33 credits)

ACC 615*†	Financial Reporting: Concepts and Applications
ACC 620†	Global Managerial Accounting I
ACC 622	Global Managerial Accounting II
ACC 630*†	Financial Reporting: Specialized Topics

ACC 638†	Business Entities and Combinations
ACC 639†	Governments and Not-for-Profits
AIS 623†	Auditing: Concepts and Applications
AIS 624	Information Technology Auditing
AIS 625	Accounting Ethics and Professionalism
TAX 610	Individual Tax Planning
TAX 635	Business Tax Planning

* Requires one-hour workshop

† Undergraduate accounting majors may request permission to waive certain courses and/or select substitute courses from the list of accountancy electives.

Additional Concentration for M.B.A. in Accounting

The Tobin College allows students to select a second three-course (nine credits) concentration in the M.B.A. in Accounting program. The additional concentration allows a student to select a concentration offered by in the M.S. Accounting or by another business department.

Master of Business Administration (M.B.A.) in Business Administration

The M.B.A. in Business Administration is a 36-credit program that uses case studies, real-world projects and an experiential capstone course to transcend the normal classroom experience, while giving students a global perspective and connecting them with alumni and corporate executives. This M.B.A. degree can be completed on full-time residence or on a part-time basis, in order to enable students to continue their full-time career while taking courses in the evening.

During the program, students may enroll in one of the following concentrations: business analytics, educational leadership, enterprise risk management, entrepreneurship and innovation, finance, FinTech, healthcare systems, information systems, international business, Marketing Analytics, marketing management, risk and financial advisory, risk management and insurance, strategic management, sustainability, or taxation. Students can choose any three graduate courses offered by the Tobin College instead of a concentration. Students who enroll in at least 9 credits are considered full-time students.

Curriculum for M.B.A. Program

Required Core Courses: 24 credits *

ACC 602	Global Financial and Managerial Reporting
BUA 602	Business Analytics

ECO 606	Industrial Economics
FIN 607	Financial Management
LAW 600	Law, Ethics & Principled Path in Business
MGT 601	Managing for Global Success
MKT 600	Decisions in Marketing Management
RMI 601	Risk Management

* Undergraduate business majors are expected to replace three required core courses with advanced level courses in that discipline. One advanced level course must be in the undergraduate major.

Concentration Courses: 9 credits

Three courses from your area of concentration.

Capstone Course: 3 credits

MGT 700	Seminar in Business Strategy
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Concentration for M.B.A. Program

The Tobin College allows students to select a three-course (nine credits) concentration in the M.B.A. program or to select, interdisciplinary business, if they wish to pursue advanced courses in more than one discipline to achieve a breadth of competencies. The list of concentrations for the M.B.A. program are as follows:

Business Analytics

The Business Analytics concentration develops professionals in the emerging field of integrating statistical analysis, data mining, predictive modeling, business intelligence and optimization methodologies with the state of the art information technology tools to automate or support decision-making activities in the fast-changing economy. The Business Analytics concentration provides students with a combination of technical and managerial coursework needed for dealing with future challenges in the technology and data-driven global environment.

Concentration Courses:

Required

BUA 631	Prescriptive Analytics
BUA 633	Predictive Analytics and Business Forecasting

Elective: Choose one:

BUA 609	Advanced Managerial Statistics
BUA 635	Big Data and Data Mining
BUA 699	Business Analytics Internship
BUA 900	Business Analytics Thesis
IS 645	Database Management
IS 650	Seminar in BUA/IS

Educational Leadership

The Educational Leadership concentration prepares professionals to enhance their knowledge and skills in current trends

and research in education with a view to becoming administrative and policy leaders in the field of education. This concentration provides educational leaders with a combination of technical and managerial coursework needed for dealing with future challenges in education.

Concentration Courses Required:

Select three:

EDU 5103	Educational Governance and Policy Issues
EDU 5571	Administrative Leadership and Planned Change
EDU 5741	Finance in Education
EDU 5761	School Based Business Administration for Administration and Supervision

Enterprise Risk Management

The Enterprise Risk Management (ERM) concentration reinforces the need for risk, uncertainty, and volatility to be managed at the strategic, financial, reputational, and operational levels of the organization. ERM has become the new global standard for how to run a business and to develop critical holistic thinking about business problems. Risk intelligence is the goal of many organizations and ERM has become a core capability and competence for effective leadership. The goal of an ERM process is to create, protect, and enhance the value of the organization.

Concentration Courses:

Required

ERM 601	Foundations of Enterprise Risk Management
ERM 603	Culture, Leadership, and Governance Risk

Choose One:

ERM 602	Operational Risk Management
ERM 705	Strategic Risk Analysis and Tools

Entrepreneurship

The Entrepreneurship concentration assists individuals who are interested in creating new ventures, continuing family businesses, starting or growing their own businesses or are pursuing successful careers in innovation-related roles within established organizations. This program equips students with the knowledge, skills, and competencies to create businesses in all sectors.

Concentration Courses:

Required

MGT 640	Seminar in Entrepreneurship
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Elective: Select two:

MGT 631	Leading Modern Organizations
MGT 645	Creativity and Innovation
MGT 650	Managing a Web-based Entrepreneurial Business

MGT 651	Creating an E-Commerce Business
MGT 653	Managing for Sustainability
MGT 670	Contemporary Issues in Management

Finance

The Finance Concentration provides students with the expertise to make educated financial decisions. Graduates learn the knowledge and skills needed to evaluate projects and investments and to execute decisions based on their valuations. Students are invited to meet with the chair of the Department of Economics and Finance to discuss course selections.

Concentration Courses Required:

Select three:

Any three finance electives above FIN 607, Financial Management.

Financial Technology (FinTech)

The FinTech (financial technology) concentration enables our graduates to apply technology in managing the financial aspects of their business, and to combine an expertise in computing technology, financial theory, risk assessment, ethical and regulatory constraints, and business skills to examine innovative approaches to financing and investing markets and transactions. The FinTech concentration allows graduates to focus on the application of programming, business analytics, data science, strategy and risk in financial services and enhances their understanding of the rapidly evolving financial markets.

Concentration Courses: Select three:

FIN 639	Introduction to Financial Technology
FIN 669	Advanced Financial Technology
One Financial Technology Related Course	

Healthcare Systems

The Health Care Systems concentration equips students with the necessary tools to achieve and manage integrated approaches to health care—approaches that enable students to look at operational, policy, technology, and legal issues in health care from a holistic perspective. The program offers both medical and nonmedical professionals opportunities to develop advanced organizational and technical skills, effectively positioning students to assume leadership positions within the evolving ecosystem of the U.S. health care stakeholders and health-related professions.

Concentration Courses: Select three:

HCA 320	Management and Leadership in Health Care Organizations (Collins College of Professional Studies)
PAS 282	Health Care Systems and Health Policy (College of Pharmacy and Health Sciences)

HCI 520	Medical and Health Informatics (Collins College of Professional Studies)
HCA 321	Legal and Ethical Aspects of Health Systems (Collins College of Professional Studies)

Information Systems (IS)

The Information Systems concentration provides students with a moderately technical yet comprehensive and professional understanding of the modern systems approach to business information systems. The concentration prepares the student as an administrator who will be knowledgeable in the latest applications of Information Technology so that he or she may assume a prominent role in directing and improving the management process. The curriculum emphasis is placed on learning the wide spectrum of emerging technologies, and its role as catalyst to achieve strategic and competitive advantage in the global market.

Concentration Courses:

Required

IS 645	Database Management
IS 647	Business Data Communication and Networks for Business

Elective: Select two:

IS 601	Advanced Computer Applications for Business
IS 605	Applied Computer Languages
IS 644	Systems Analysis and Design
IS 646	Computer Simulation Methods
IS 650	Seminar in BUA/IS
IS 699	CIS Internship
BUA 635	Big Data and Data Mining

International Business

The International Business concentration is for students interested in a general approach to international business education. Students wishing to supplement their education with an international dimension or seeking to add business education to a background in language, liberal arts, government and politics, law or international studies may benefit from this degree. Students whose career goals include working abroad or with a global firm may choose this learning experience.

Concentration Courses: Select three:

ACC 654	International Financial Reporting I
ACC 655	International Financial Reporting II
ACC 656	Analysis of Foreign Financial Statements
ECO 605	International Trade and Investment
FIN 635	Capital and Money Markets

FIN 643	International Corporate Finance
FIN 651	Bank Financial Management
FIN 700	Seminar in Finance
LAW 652	International Business Law and Negotiation
MGT 670	Contemporary Issues in Management
MGT 652	Seminar in International Management
MGT 654	Global Information Systems
MGT 659	International Business Policy
MGT 662	International Human Resource Management
MKT 624	Global Brand Marketing
MKT 626	Global Marketing Management Seminar
MKT 628	Comparative Marketing Systems and Research
MKT 633	Marketing in East Asia
MKT 635	Strategic Internet Marketing
MKT 701	Seminar in Current International Marketing Topics
MKT 702	International Marketing Seminar Abroad
TAX 651	International Taxation I

For a complete listing of approved courses, please contact the Advisement Office.

Marketing Analytics

The Marketing Analytics concentration develops the digital knowledge base to manage and apply big data, business intelligence and analytics, digital and social media analytics, marketing automation systems, user interface design, and digital innovations in mobile marketing. Graduates gain an understanding of analytics and how to apply data to strategic decision-making. Using market data, digital marketing tools, and advanced statistical analyses to make more informed decisions skills are critical for today's businesses.

Concentration Courses:

Required: Select two:

MKT 635	Strategic Internet Marketing Analytics
MKT 611	Data Driven Marketing
MKT 605	Direct Response Marketing

Elective: Select one:

BUA 609	Advanced Managerial Statistics
BUA 611	Machine Learning for Business
BUA 631	Prescriptive Analytics and Spreadsheet Modeling
BUA 633	Predictive Analytics and Business Forecasting
BUA 635	Big Data and Data Mining

Marketing Management

The Marketing Management concentration develops professional marketing executives by equipping current and prospective practitioners with a broad, integrated understanding of the role of marketing within a business firm, the economy, society and

the world. Emphasis is placed on creating sensitivity to the rapidly changing demands of a marketing manager's environment. The role of marketing in the strategic interpretation and management of demand has become more crucial to the profitable operation and growth of business firms.

Concentration Courses: Select three:

Required

MKT 601	Marketing Research Seminar
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Elective: Select two:

MKT 603	Dynamics of Consumer Motivation and Behaviors
MKT 623	Contemporary Marketing Strategies
MKT 624	Global Brand Marketing
MKT 626	Global Marketing Management Seminar
MKT 630	Marketing of Services
MKT 699	Marketing Internship
MKT 700	Marketing Seminar on Special Interest Topics
MGT 645	Management of Creativity and Innovation

Risk & Financial Advisory

The Risk & Financial Advisory concentration supplements the M.B.A. with a level of technical competence that will enable our graduates to enter such assurance services as: internal audit, information technology audit, fraud examination, and compliance audit.

Concentration Courses: Select three:

AIS 623	Auditing Problems
AIS 624	Information Technology Auditing
AIS 625	Accounting Ethics and Professionalism
ACC 626	Forensic Accounting Principles
ACC 627	Business Valuations
AIS 628	Internal Auditing
AIS 629	International Auditing
AIS 660	Fraud Examination I
AIS 661	Fraud Examination II
AIS 662	Accounting Information: Governance, Risk Management, and Audit
AIS 663	Accounting Information: Systems Development and Operations
AIS 664	Accounting Information: Cyber Security
AIS 665	Accounting Information: Protection of Assets
AIS 667	Accounting Information: Enterprise Resource Planning
AIS 668	Accounting Information: Analytics and Forensics
AIS 669	Accounting Information: IT Risks and Controls
AIS 670	Emerging Technology and Robotic Process Automation in Accounting

AIS 685	Advanced Internal Auditing
AIS 686	Developing and Managing an Internal Audit Function
AIS 687	Sustainability Information: Attestations
AIS 690	Accounting Information: Case Studies

Risk Management and Insurance

The Risk Management and Insurance concentration enables students to gain a thorough understanding of the theory and practice of risk management and insurance. Students are exposed to the actuarial, financial, legal and economic principles underlying corporate risk management. Available courses explore in depth the functional areas of financial service company management (such as investments, pricing, and underwriting).

Concentration Courses: Select three:

RMI 602	Risk Research Methods
RMI 604	Risk Pricing Simulation
RMI 605	Finance Policy for Insurers
RMI 607	Insurance Operations
RMI 608	Micro insurance
RMI 609	Property and Liability Re) Insurance
RMI 610	Life-Health Insurance and Employee Benefits
RMI 611	Cases in Insurance
RMI 613	Graduate Risk Seminar
RMI 614	Risk Funding Tools for Insurers
RMI 621	Risk Project
RMI 660	Finance for Actuarial Science
RMI 699	Internship

Strategic Management

The Strategic Management concentration takes an integrated approach to business management and is designed to provide students with the flexibility to meet their individual needs. Specifically, by choosing an appropriate course from the list of courses listed below, students can acquire expertise in such specialized areas as:

- E-Business Management
- Entrepreneurship
- Human Resource Management
- International Management
- Management Information Systems
- Operations/Supply Management
- Project Management

Students can choose a general approach to strategic management. The Strategic Management concentration is designed to expand the learning experience of our students beyond traditional problem-solving and decision-making methods, to include the examination of the impact of the global business environment, information technology and the social system on the operations of the business firm.

Concentration Courses: Select three:

MGT 602	Project Management I
MGT 603	Project Management II
MGT 670	Contemporary Issues in Management
MGT 621	Decision Support Systems
MGT 622	Theory and Applications of Management Information Systems
MGT 623	Management of Human Resources
MGT 628	Operations Management and Management Systems
MGT 631	Leading Modern Organizations
MGT 632	Organizational Theory
MGT 640	Seminar in Entrepreneurship
MGT 645	Management of Creativity and Innovation
MGT 650	Managing a Web-based Entrepreneurial Business
MGT 651	Creating an E-Commerce Business
MGT 652	Seminar in International Management
MGT 653	Managing for Sustainability
MGT 654	Global Information Systems
MGT 655	Management Consulting
MGT 659	International Business Policy
MGT 661	Compensation, Training and Development and Labor Relations
MGT 662	International Human Resource Management
MGT 663	Strategic and Risk Human Resource Management
MGT 680	Organizational Development: Managing Change
MGT 685	Managing and Staffing Virtual Organizations
MGT 690	E-commerce Impacts on Organizations
MGT 699	Management Internship.

Sustainability

The Sustainability concentration provides the knowledge and skills to pursue business careers that focus on the environment and the economy. Our graduates are able to transform how organizations do business by formulating and implementing sustainable strategies. The Sustainability concentration challenges our graduates to offer sustainable long-term solutions to a range of critical business issues, and to develop resource and systems solutions that can be implemented by businesses and non-profit organizations.

Concentration Courses: Select three:

ACC 681	Sustainability Accounting and Reporting
ACC 683:	Sustainability: Implementation and Disclosure
AIS 684	Sustainability Information: Attestations
MGT 653	Managing for Sustainability
MKT 604:	Sustainable Marketing

Taxation

The Taxation concentration provides the knowledge and skills to become a tax specialist. Students become familiar with the Internal Revenue Code, tax regulations, judicial decisions and Treasury rulings and apply that knowledge to tax problems. Our graduates enter and advance their careers in the profession of public accounting or in corporate management in the tax area.

Select three:

TAX 603	Corporate Taxation
TAX 605	Internship in Taxation
TAX 610	Individual Tax Planning
TAX 612	Partnerships and Partners
TAX 621	Estates and Gifts
TAX 631	Corporate Distributions, Liquidations and Reorganizations
TAX 643	State and Local Income Taxation
TAX 651	International Taxation I
TAX 653	Global Taxation Systems
TAX 662	Real Estate
TAX 663	Financial Products
TAX 681	Tax Accounting
TAX 682	Special Topics in Taxation
TAX 683	Practice and Procedure
TAX 691	Tax Research Project

Interdisciplinary Business

The MBA degree program allows students to select Interdisciplinary Business if they wish to pursue advanced courses in more than one discipline to achieve a breath of competencies.

M.B.A. with Dual Concentration

The Tobin M.B.A. offers students the option of pursuing a concentration in two discrete areas of business administration, which may include two concentrations from the above-listed concentrations. Students who aim to complete two concentrations enroll in three courses in each concentration. These concentration courses allow students to cultivate advanced skills and knowledge in a field of business administration.

Students may choose a dual concentration in a particular pairing. For example, a dual concentration in finance and financial technology provides training in two complementary areas of business administration, and a dual concentration in business analytics and information systems provides skills in two related areas. Similarly, a specialization in health systems or educational leadership could pair well with a concentration in finance, management, marketing, or any number of other specializations.

STEM M.B.A.

The 45-credit STEM M.B.A. program is designed to meet the needs of students who are interested in pursuing analytical and technical management roles across industries. The federal government created the STEM-designated degree program to address the shortage of qualified workers in the STEM field, which is estimated to grow more than a million jobs by 2028. The STEM M.B.A. program will make it possible for international graduates to remain in the United States for an additional 24 months (36 months in total) after graduation and receive training through work experience.

Along with the required M.B.A. core and capstone courses, the STEM M.B.A. will require students to complete two concentrations or an additional 18 credit hours from the following set of STEM concentrations: Business Analytics, Information Systems, Finance, Financial Technology (FinTech), Risk Management, and Sustainability.

Business Analytics: Select 3 from the following:

BUA 609	Advanced Managerial Statistics
BUA 611	Machine Learning for Business
BUA 613	Text Analytics for Business Application
BUA 631	Decision Science and Spreadsheet Modeling
BUA 632	Bayesian Statistics for Business Decision Making
BUA 633	Predictive Analytics and Business Forecasting
BUA 634	Statistical Quality Control for Business
BUA 635	Big Data and Data Mining

Information Systems: Select 3 from the following:

IS 601	Advanced Computer Applications for Business
IS 605	Applied Computer Languages
IS 644	Systems Analysis and Design
IS 645	Database Management
IS 646	Computer Simulation Methods
IS 647	Data Communications and Networks for Business
IS 650	Seminar in BUA/IS

Finance: Select 3 from the following:

FIN 634	Investment Analysis
FIN 664	Financial Statistics and Alternative Investment
FIN 638	Fixed-Income Analytics
FIN 665	Portfolio Management & Analytics
FIN 668	Financial Derivatives
FIN 684	Quantitative Asset Management

Financial Technology (FinTech):

FIN 639	Introduction to Financial Technology
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FIN 669 Financial Technology Analytics: Machine Learning Application

One of the STEM Finance classes (above) or

RMI 688 Applications of Analytics and Technology to Risk Management

Select one: An RMI course at 600 level or above

Sustainability: Select 3 from the following:

ENV 101 Environmental Principles

ENV 102 Methods of Environmental

Analysis & Sustainability

ENV 200 Geographic Information

Systems

PSY 603 Inferential Statistics

SOC/CRM

127; 127L Statistics for Social Science

Advanced Certificate Programs

The Tobin College offers 15-18-credit Advanced Certificate graduate programs designed for those seeking to strengthen their business acumen. The advanced certificate programs will sharpen your skills in planning, forecasting, decision-making, and implementation through case studies and hands-on exercises. These innovative programs combine classroom and experiential learning to develop the knowledge, skills, and competencies that the market demands. The programs are flexible and can be tailored to allow you to stay on your career track while earning the advanced certificates. All courses are offered during evenings and weekends at our Queens or Manhattan campuses, or online. Students can complete the advanced certificate program within two years part-time and seamlessly continue to pursue their master's degrees. All advanced certificate courses count toward the Master of Business Administration (M.B.A.) degree requirements or count towards specific Master of Science degrees.

Admission is based on a portfolio approach that considers work experience, veteran status and academic background. Prior graduate course work (up to six credits) may be transferred into the program, pending approval. Students gain perspectives on theory and practice from a distinguished faculty comprising professors from St. John's University's Tobin College of Business, and experts from Fortune 100 companies and national and international firms.

Programs of Study

Business Administration

The Advanced Certificate in Business Administration is an 18-credit, graduate program. That is intended to provide broad business knowledge and prepare our graduates for cross-functional decision making.

Curriculum for the Advanced Certificate in Business Administration

Required Courses: 9 credits

ACC 602 Global Financial and Managerial Reporting

FIN 607 Financial Management

MGT 601 Managing for Global Success

Business Courses: 9 credits

Three courses (9 credits) from an area of concentration or from any graduate business course offered by the Tobin College of Business. Students must successfully complete all six courses within a three-year period.

Business Analytics

The Advanced Certificate in Business Analytics is a 15-credit, graduate program that provides the skills, insight, and capability to transform data into insightful information that will lead businesses to better results. Graduates will understand the role of evidence-based data in decision-making and how to transform that data into a powerful and predictive strategic asset that will ultimately drive optimal results. All advanced certificate courses in Business Analytics may count towards a Master of Business Administration (M.B.A.) with a concentration in Business Analytics, or the Master of Science (M.S.) in Business Analytics.

Curriculum for the Advanced Certificate in Business Analytics

Required Courses: 9 credits

BUA 602 Business Analytics

BUA 631 Prescriptive Analytics & Spreadsheet Model

BUA 633 Predictive Analytics and Business Forecasting

Electives: Select Two:

BUA 609 Advanced Managerial Statistics

BUA 611 Machine Learning for Business

BUA 613 Text Mining for Business Application

BUA 635 Big Data and Data Mining

BUA 650 Seminar in Business Analytics

IS 601 Advanced Computer

Application for Business

IS 605 Applied Computer Language

IS 645 Database Management

Finance

The Advanced Certificate in Finance is a 15-credit, graduate program designed to develop foundational skills in the critical functions necessary for success in finance. The advanced certificate program will sharpen your skills in evaluating potential projects and develop investment strategies to make value-enhancing decisions in your organization. All advanced certificate courses in Finance may count towards a Master of Business Administration (M.B.A.) with concentrations in

Finance, Investment Analysis, or Real Estate, or the Master of Science (M.S.) in Finance.

Curriculum for the Advanced Certificate in Finance

Required Courses: 6 credits

FIN 607 Financial Management

FIN 634 Investment Analysis

Finance-Related Courses: 9 credits

Three courses (9 credits) from any graduate finance-related course offered by the Tobin College of Business. Students must successfully complete all five courses within a three-year period.

Internal and Information Technology Audit

The Advanced Certificate in Internal and Information Technology Audit is a 15-credit, graduate program designed to develop foundational skills in the critical functions necessary for success in such advisory services as: internal audit, information technology audit, fraud examination, and compliance audit. All advanced certificate courses in Internal and Information Technology Audit may count towards a Master of Business Administration with a concentration in Risk and Financial Advisory, the Master of Science in Risk and Financial Advisory, or the Master of Science in Enterprise Risk Management.

Curriculum for the Advanced Certificate in Internal and Information Technology Audit

Required Courses: 6 credits

AIS 624 Information Technology Auditing

AIS 628 Internal Auditing

Internal and Information Technology Audit-Related Course

Three courses (9 credits) from any graduate internal audit-related course offered by the Tobin College of Business. Students must successfully complete all five courses within a three-year period.

Marketing Intelligence

The Advanced Certificate in Marketing Intelligence curriculum will provide the skills, insight, and capability to develop marketing research practitioners by enhancing students' academic and applied research in the areas of marketing, research, and analysis, and enable them to transform data into insightful information that will lead businesses to better results. The Advanced Certificate in Marketing Intelligence program will sharpen students' skills in planning, decision-making, and implementation through case studies and hands-on exercises. A student can enroll in the certificate program by itself or in

conjunction with another graduate program (e.g., Master of Business Administration with concentrations in Marketing Analytics or a proposed Master of Science in Marketing Intelligence).

Curriculum for the Advanced Certificate in Marketing Intelligence

Required courses (6 credits):

BUA 602	Business Analytics
MKT 600	Decisions in Marketing Management

Marketing Intelligence Related Elective courses (9 credits):

MKT 601	Marketing Research Seminar
MKT 611	Data-Driven Marketing
MKT 612	Artificial Intelligence in Marketing
MKT 613	Marketing Intelligence Implementation,
MKT 614	Brand and Customer Strategic Intelligence
MKT 622	Direct Response Marketing
MKT 635	Strategic Internet Marketing Analytics

Risk Management

The Advanced Certificate in Risk Management is a 15-credit graduate program designed to develop foundational skills in the critical functions necessary for success in risk management. Graduates gain perspectives on contemporary risk management theory and practice. All advanced certificate courses in Risk Management may count towards a Master of Business Administration (M.B.A.) with concentrations in Risk Management or Enterprise Risk Management or the Master of Science (M.S.) in Enterprise Risk Management, or the M.S. in Risk Management and Risk Analytics.

Curriculum for the Advanced Certificate in Risk Management

Required Courses: 6 credits

ERM 601	Foundations of Enterprise Risk Management
RMI 601	Risk Management

Risk Management-Related Courses: 9 credits

Three courses (9 credits) from any risk management related course offered by the Tobin College of Business. Students must successfully complete all five courses within a three-year period.

Master of Science Programs of Study

The Tobin College offers several Master of Science (M.S.) programs that range from 30 to 33 credits. The Tobin M.S. programs use experiential and innovative techniques, as well as, discussions, applications, case studies, and

real-world projects to transcend the normal classroom experience, while giving students a global perspective and connecting them with alumni and corporate executives. Students may select their M.S. program in the following areas.

Accounting

This 33-credit program fulfills all the accounting education requirements to sit for the uniform CPA examination and fulfills the education requirements to be licensed as a certified public accountant (CPA) in the State of New York. Students are expected to have an undergraduate or graduate degree in business or a related field and thus they have already completed 36 credits of business courses. The curriculum is designed to help professionals understand the function of accounting within their organizations and in the global marketplace and to relate sophisticated theoretical concepts to practical applications.

Graduates advance their careers in the accounting profession or in managerial positions in industry, government and not-for-profit organizations. If a student intends to sit for the Certified Public Accountancy examination and become licensed in the State of New York in public accountancy, they are required to satisfy additional examination and experience requirements.

Curriculum:

ACC 615***	Financial Reporting: Concepts and Applications*
ACC 630***	Financial Reporting: Specialized Topics*
ACC 638***	Business Entities and Combinations
ACC 639***	Government and Not-for-Profit
ACC 620***	Global Managerial Accounting I
ACC 622***	Global Managerial Accounting II
AIS 623***	Auditing Problems
AIS 624	Information Technology Auditing
AIS 625	Accounting Ethics and Professionalism
TAX 635	Business Tax Planning
TAX 610**	Individual Tax Planning

* Requires a one-hour workshop
 + If a student successfully completed undergraduate coursework that is substantially equivalent to TAX 610, ACC 620, ACC 622, AIS 623, ACC 615, ACC 630, ACC 638, or ACC 639, or has completed the uniform CPA examination, then that student must select an alternative concentration or coursework from the Department's list of elective courses. Available accounting concentrations include: Data Analytics, Enterprise Risk Management, Financial Services Reporting, Forensics, Information Systems Audit and

Control, Internal Audit, International Financial Reporting, International Taxation, or Taxation.

Additional Concentration for M.S. in Accounting

The Tobin College allows students to select a second three-course (nine credits) concentration in the M.S. in accounting program. The additional concentration allows a student enrolled in the M.S. in accounting program to specialize in:

Data Analytics – Select Three from:

AIS 664	Accounting Information: Systems and Processes
AIS 667	Accounting Information: Enterprise Resource Planning (ERP)
AIS 668	Accounting Information: Analytics and Forensics
AIS 669	Accounting Information: Risk Assessment and Controls

Enterprise Risk Management – Select Three from:

ERM 601	Foundations in Enterprise Risk Management
ERM 602	Operational Risk Management
ERM 603	Culture, Leadership, and Governance Risk

Financial Services Reporting – Select Three from:

ACC 636	Accounting for Financial Institutions
ACC 635	Accounting for Derivatives and Other Financial Instruments
ACC 640	SEC Accounting Practice

Forensics – Select Three from:

AIS 660	Fraud Examination I
AIS 661	Fraud Examination II
ACC 626	Forensic Accounting
ACC 627	Business Valuations

Information Systems Audit and Control – Select Three from:

AIS 662	Accounting Information: Governance and Audit
AIS 663	Accounting Information: Systems Development and Operations
AIS 665	Accounting Information: Protection of Assets

Internal Audit – Select Three from:

AIS 628	Internal Auditing
AIS 685	Advanced Internal Auditing
AIS 686	Developing and Managing an Internal Audit Function

International Financial Reporting – Select Three from:

ACC 654	International Financial Reporting I
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ACC 655	International Financial Reporting II
ACC 656	Analysis of Foreign Financial Statements

Actuarial Science

This 30-credit program provides career preparation to students seeking to become actuaries. Actuaries are professionals who use their strong quantitative skills to evaluate the likelihood of future events, design creative ways to reduce the chance of undesirable events and decrease the impact of undesirable events that do occur. Actuaries use their quantitative skills to place a price on risk. Pricing risk allows insurance companies to provide coverage against loss events, and allows governments to successfully provide social welfare programs and protection against catastrophic risks. The curriculum is designed to enhance critical and analytical thinking, as well as pass professional examinations.

Curriculum:

Prerequisite courses (if required)

College calculus (six credit hours) and probability (3 credit hours)

Required

ACT 600	Actuarial Economics
ACT 601	Financial Mathematics I
ACT 602	Financial Mathematics II
ACT 603	Actuarial Modeling I
ACT 604	Actuarial Modeling II
ACT 610	Mathematical Statistics
ACT 611	Statistics for Risk Modeling
ACT 615	Introduction to Long-Term Actuarial Modeling
RMI 621	Risk Project
RMI 660	Finance for Actuarial Science

Business Analytics

This 30-credit program is designed to enable students to learn how to use data-driven approaches to solve business challenges in the era of big data. Business analytics is at the intersection of statistics, operations research, and computer science. This program offers a broad yet rigorous curriculum in data science (statistics, data mining, computer language, stochastic modeling, econometrics), applied analytics (finance, marketing, operations), and management science (optimization, simulation). The curriculum provides the skills, insight, and capability to transform data into insightful information that will lead to better results, and enables our graduates to understand the role of evidence-based data in decision-making and how to transform data into a powerful and predictive strategic asset that will ultimately drive optimal results. Students learn about the use of analytics in particular functional areas, such as, finance, marketing or operations, as well as, acquiring general knowledge of data analytics and business computing.

Curriculum:

Required

BUA 602	Business Analytics
BUA 631	Prescriptive Analytics & Spreadsheet Modeling (Co-requisite BUA 602)
BUA 633	Predictive Analytics and Business Forecasting
BUA 635	Big Data and Data Mining
IS 605	Applied Computer Language

Applied Analytics: Select two courses from the following:

BUA 609	Advanced Managerial Statistics (Prerequisite or co-requisite BUA 602)
BUA 632	Bayesian Statistics for Business Decision Making
CUS 635	Web Data Mining
CUS 680	Distributed Big Data Analytics I
IS 601	Advanced Computer Applications for Business
IS 645	Database Management
IS 646	Computer Simulation Methods for Business

Applied Electives*: Select two courses from the following:

AIS 624	Information Technology Auditing
AIS 668	Accounting Information: Analytics and Forensics
FIN 639	Foundations in Financial Technology
FIN 669	Advanced Financial Technology
MGT 622	Theory and Applications of Management Information Systems
MGT 628	Operations Management and Management Systems
MKT 611	Data Analysis in Marketing Research
ACT 602	Financial Mathematics
RMI 604	Risk Pricing Simulation

*Some of these courses have a prerequisite.

Capstone Course

BUA 650	Seminar in Business Analytics
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Enterprise Risk Management

This 30-credit program recognizes the interdisciplinary nature of business activity and adopts an enterprise-wide approach to managing the myriad of risks an organization faces. The curriculum reinforces the need for risk to be managed at the strategic, financial, reputational and operational levels of the organization, with well-prepared managers who can guide and build an enterprise risk management process. ERM has become the new global standard for how to run a business and to develop critical holistic thinking about business problems. Risk intelligence is the goal of many organizations. This program provides an opportunity to study one of the most important business topics in today's

business world, in New York City, with several of the world's most renowned risk scholars. While the curriculum is intended to provide rigorous academic and applied content, students may also find the material helpful in preparation for the Financial Risk Management (FRM), Certification in Risk Management Assurance (CRMA) and the Associate in Risk Management - ERM (ARM-E) exams.

Curriculum:

Required

ERM 601	Foundations of Enterprise Risk Management
ERM 603	Culture, Leadership, and Governance Risk
ERM 705	Strategic Risk Analysis and Tools
FIN 607	Financial Management
FIN 628	Market Risk Management
RMI 601	Risk Management
RMI 602	Risk Analysis Methods

Elective (9 credits)

Select three Tobin 600 level graduate courses

Entrepreneurship and Innovation

This 30-credit program is designed for individuals from varied backgrounds who are focused on creating new ventures, are part of family businesses, are interested in starting or growing their own businesses, or are pursuing successful careers in innovation-related roles within established organizations. This program equips students with the knowledge, skills, and competencies to create businesses in all sectors. Given the complementary strengths of both of the professional schools involved (The Tobin College of Business and the Collins College of Professional Studies), this collaboration has produced a dynamic program with an experiential learning focus. Both colleges offer pedagogical flexibility to meet the demands of the market as it evolves in the context of new technologies.

Curriculum:

Required:

INN 200	Invention, Innovation, and Lab to Market
MGT 640	Seminar in Entrepreneurship
MGT 651	Creating an E-Commerce Business
MGT 700	Seminar in Strategic Management (capstone)

Electives:

Students select three courses offered by the Tobin College of Business:

MGT 650	Managing Web-based Enterprises
MGT 653	Managing for Sustainability
MGT 685	Managing and Staffing Virtual Organizations
MGT 690	E-Commerce Impacts on Organizations

Students select three courses offered by the College of Professional Studies:

INN 100	Foundations in Social Entrepreneurship
IHM 101	Restaurant Entrepreneurship
INN 320	Digital Technologies for Start-Up Creation and Launch
INN 322	Information Technology for Small Business Management

Finance

This 30-credit program provides students with the expertise to make educated financial decisions. Our graduates learn the knowledge and skills needed to evaluate projects and investments and to execute decisions based on their valuations. The program caters to students who want to deepen their knowledge of investment management, as well as, for professionals outside the investment management industry who want to gain the knowledge, skills, and competencies for tackling investment problems. The curriculum is designed to cover the body of knowledge to become Chartered Financial Analysts (CFAs), and is a CFA affiliated program.

Curriculum:

Required

ACC 600	Financial Statement Analysis I
ECO 604	Economics Foundation
FIN 607	Financial Management
FIN 634	Investment Analysis
FIN 638	Fixed-Income Analytics
FIN 668	Financial Derivatives
FIN 684	Quantitative Asset Management

Investment Concentration

ACC 601	Financial Statement Analysis II
FIN 664	Financial Statistics & Alternative Investments
FIN 665	Portfolio Management and Analytics

Financial Technology Concentration

FIN 639	Introduction to Financial Technology
FIN 669	Advanced Financial Technology

Select one course from:

FIN 633	Corporate Financial Management
FIN 636	Mergers, Acquisitions and Restructuring
FIN 665	Portfolio Management and Analytics
FIN 699	Finance Internship
BUA 635	Big Data and Data Mining

Global Management

This 30-credit program prepares students who are motivated to develop and sharpen their management skills, who are interested in leading and managing teams of business

and not-for-profit professionals, who are aspiring to organize and run large-scale projects, and who are looking to enhance their careers toward mid-to-advanced level management position for the global marketplace. The curriculum will enable students to further refine their studies and career objectives. Students can choose to concentrate their studies in one of the many global management areas, including: supply chain management, human resource management, project management, international management, and management of e-commerce.

Curriculum:

Fundamentals of Management: Choose three out of four:

MGT 601	Managing for Global Success
MGT 608	Managing Organizational Operations
MGT 631	Leading Modern Organizations
MGT 653	Global Sustainability (Managing for Sustainability)

Global Management Courses:

Choose three out of three:

MGT 652	Seminar in International Management
MGT 662	International Human Resource Management
MGT 605	Global Sourcing

Or 2 of the above plus: International Study (Thesis or GDC) or an internship within a multinational corporation.

General Management Electives: Select three courses:

Three Management electives can be selected from such areas as: Supply Chain Management, Human Resource Management, Project Management, and Management of E-commerce.

Capstone: Executive in Residence Program (EIRP) preferred, MGT 659 International Business Strategy, or MGT 700 Seminar in Business Policy.

International Business Strategy, or MGT 700 Seminar in Business Policy.

International Cooperation with a Partner University

In case of international cooperation with a partner university, the partner will offer either: Three global management courses, while the Tobin Department of Management will offer the remaining seven.

Three general management electives, while the Tobin Department of Management will offer the remaining seven.

Three global management electives with one being a thesis while the Tobin Department of Management Department will offer the remaining seven.

Marketing Intelligence

This 30-credit program prepares students to become marketing research practitioners, by enhancing their academic and applied research in the areas of marketing, research, and analysis. Marketing has undergone a radical transformation driven by the massive amounts of data now available on consumers, and an explosion of advanced analytics software. This has led to a talent challenge in marketing for businesses. The importance of using new age technologies, big data, and analytics to generate valuable insights in a global environment will be the focus of the curricula and coursework as well as a focus on the identification of real-world business problems.

Curriculum:

Required:

MKT 600	Decisions in Marketing Management
BUA 602	Business Analytics
BUA 611	Machine Learning for Business
MKT 613	Marketing Intelligence Implementation

Electives:

Select Three Marketing Analytics Courses:

MKT 601	Marketing Research Seminar
MKT 611	Data Driven Marketing
MKT 612	Artificial Intelligence in Marketing
MKT 614	Brand and Customer Strategic Intelligence
MKT 635	Strategic Internet Marketing Analytics

Select Three Marketing Courses:

MKT 603	Dynamics of Consumer Motivation and Behavior
MKT 604	Sustainable Marketing.
MKT 622	Direct Response Marketing
MKT 623	Contemporary Marketing Strategies
MKT 624	Global Brand Marketing
MKT 626	Global Marketing Management Seminar
MKT 630	Service Design for Business Impact
MKT 700	Marketing Seminar on Special Interest Topics

Risk & Financial Advisory

This 30-credit program prepares students who have career interests in internal audit, information systems' audit and control, forensic accounting and fraud examination, compliance audit, litigation support, risk assessment and control, enterprise risk management, controllership, and mergers, acquisitions, and reorganizations. Graduates are prepared to address events that disrupt operations, hinder an organization from reaching its strategic objectives, and determine

financial value. While the curriculum is intended to provide rigorous academic and applied content, students will find the competencies helpful in the preparation for the following professional examinations: Certified Fraud Examiner (CFE), Certified Management Accountant (CMA), Certified Internal Auditor (CIA), Certified Information Systems Auditor (CISA), and many more.

Concentrations and Endorsements

The program and concentrations have been endorsed by such professional organizations as the Institute of Internal Auditors (IIA) through its Internal Audit Educational Partnership (IAEP), the Association of Certified Fraud Examiners (ACFE); the Institute of Management Accountants (IMA); and the Association of Certified Chartered Accountants (ACCA). The Information Systems Audit and Control Association (ISACA) recognized the program as aligned to its model curriculum.

Curriculum:

Required (12 credits)

AIS 628	Internal Auditing
AIS 624	Information Technology Auditing
AIS 660	Fraud Examination I
AIS 625	Accounting Ethics and Professionalism (capstone)

Electives (18 credits)

ACC 626	Forensic Accounting Principles
AIS 661	Fraud Examination II
AIS 662	Accounting Information: Governance and Audit
AIS 663	Accounting Information: Systems Development and Operations
AIS 664	Accounting Information: Cyber-Security
AIS 665	Accounting Information: Protection of Assets
AIS 667	Accounting Information: Enterprise Resource Planning
AIS 668	Accounting Information: Analytics and Forensics
AIS 669	Accounting Information: IT Risks and Controls
AIS 670	Emerging Technology and Robotic Process Automation in Accounting
AIS 684	Sustainability Information: Attestations
AIS 685	Advanced Internal Auditing
AIS 686	Developing and Managing the Internal Audit Function
AIS 690	Accounting Information: Case Studies

Risk Management and Risk Analytics

This 30-credit program focuses on insurance as a tool of risk management. The curriculum

is designed to enable graduates to finance corporate risk, within the realities of the firm's environment, in a way that preserves/enhances firm value. Graduates develop the ability to solve challenges and resolve dilemmas faced by the risk and insurance industry and effectively communicate recommendations and develop and integrate knowledge and skills through a variety of learning tools. Our graduates are able to work effectively as financial economists in the risk and insurance industry.

Curriculum:

Required (18 credits)

RMI 601	Risk Management
ERM 601	Foundations of Enterprise Risk Management
RMI 602	Risk Analysis Methods
RMI 622	Dimensions of Risk Leadership: Executive Perspectives
RMI 688	Applications of Analytics and Technology to Insurance
RMI 700	Risk Management and Risk Analytics Capstone Seminar

Electives (12 credits)

Students must take four elective courses offered by the Tobin College at the 600 level or higher. At least two of the four electives must be ACT, ERM or RMI courses or from the following business analytics courses: BUA 632: Bayesian Statistics for Business Decision Making; BUA 633: Predictive Analytics and Business Forecasting; or BUA 635: Big Data and Data Mining. All four electives may be ACT, ERM or RMI courses

Taxation

This 31-credit program provides a comprehensive and in-depth knowledge of the Internal Revenue Code, tax regulations, judicial decisions and Treasury rulings. The tax curriculum focuses on the technical area of taxation so that graduates are able to enter and advance their careers as tax specialists in the profession of public accounting or to enter corporate management in the tax area. This program equips our graduates to conduct tax research, facilitate tax compliance and develop tax-planning strategies.

Curriculum:

Required (13 credits)

TAX 600	Tax Research and Writing
TAX 603	Corporate Taxation
TAX 612	Partnerships and Partners
TAX 683	Practice and Procedure
TAX 691	Tax Research Project

Professional Electives (9 credits)

TAX 605	Internship in Taxation
TAX 610	Individual Tax Planning
TAX 611	Tax Planning for High Net-Worth Individuals

TAX 621	Estates and Gifts
TAX 622	Income Taxation of Trusts and Estates
TAX 631	Corporate Distributions, Liquidations and Reorganizations
TAX 632	Consolidated Federal Income Tax Returns
TAX 641	Interstate Commerce
TAX 642	Sales, Use and Property Taxation
TAX 643	State and Local Income Taxation
TAX 651	International Taxation I
TAX 653	Global Taxation Systems
TAX 654	Transfer Pricing
TAX 661	Compensations, Benefits and Retirement Plans
TAX 662	Real Estate
TAX 663	Financial Products
TAX 664	Intellectual Property
TAX 671	Taxation-Related Issues for Tax-Exempt Institutions
TAX 672	Specialized Industries
TAX 674	Depository and Lending Institutions I
TAX 675	Depository and Lending Institutions II
TAX 676	Insurance Companies I
TAX 677	Insurance Companies II
TAX 681	Tax Accounting
TAX 682	Special Topics in Taxation

General Electives (9 credits)

The student may be able to select three 600 level graduate courses. The three graduate electives could be used to meet core requirements or to advance their studies and explore specialized tax area(s) or to diversify their knowledge into accounting, enterprise risk management, or another business-related field(s).

Graduate Dual Degree Programs of Study and Advanced Standing

J.D. / M.B.A. Programs

The combined J.D./ M.B.A. is a dual degree program that allows a student to complete nine credit hours of business courses and include them as law school electives. Likewise, the student can use their business-related law school coursework to meet a required course in business law and two business concentration courses for the interdisciplinary M.B.A. For further information on this program, an appointment should be made to meet with an academic advisor.

J.D. / M.S. Accounting Program

The J.D. / M.S. program is a dual degree program for exceptional students in law and accounting leading to the Juris Doctor (J.D.) and the Master of Science (M.S.) in Accounting offered by the School of Law and the Tobin College, respectively. Its purpose is to prepare students for careers in the areas of law and accounting, which require both legal expertise and an in-depth knowledge of the

theory and practice of accounting. Applicants for admission to this joint degree program must meet criteria for admission to the School of Law and the Graduate Division of the Tobin College. For further information on this program, an appointment should be made to meet with an academic advisor.

M.B.A. Accounting/ M.S. Taxation

The Department on Accountancy offers a dual degree program leading to an M.B.A. in Accounting and a Master of Science in Taxation. The combination allows the student to complete both programs with a time and cost savings. Please contact the department chair or designee for further details.

Advanced Standing for M.B.A. Graduates

Graduates with a Tobin College Master of Business Administration degree may be awarded up to nine (9) credits of advanced standing towards any Master of Science program offered by the Tobin College. Tobin M.B.A. graduates must have completed their first degree within three (3) years of applying for the second degree. If all nine credits are awarded, an M.B.A. graduate would need 21 additional credits to complete the M.S. degree. Recent M.B.A. graduates may select a Master of Science program from our many offerings, such as: accounting, business analytics, enterprise risk management, entrepreneurship and innovation, finance, global management, risk and financial advisory, risk management and risk analytics, or taxation.

Advanced Standing for M.S. Graduates

Graduates with a Tobin College Master of Science degree may be awarded up to nine (9) credits of advanced standing towards a Master of Business Administration program offered by the Tobin College. Tobin M.S. graduates must have completed their first degree within three (3) years of applying for the second degree. If all nine credits are awarded, an M.S. graduate would need 27 additional credits to complete the M.B.A. degree. Our Master of Business Administration program includes concentrations in business analytics, enterprise risk management, entrepreneurship, finance, information systems, international business, interdisciplinary business, marketing analytics, marketing management, risk and financial advisory, risk management and insurance, strategic management, or taxation.

Department of Accountancy

Accounting (ACC)

ACC 600 Financial Statement Analysis I

Prerequisite: None. This course examines the basic techniques applied in the analysis of financial statements to evaluate the quality of accounting information. The course considers the appropriateness of accounting policies and estimates and, discusses possible techniques to undo distortions. Because financial statement analysis is essentially a forward-looking process it is important to consider issues involved in forecasting future accounting numbers. *Credit: 3 semester hours.*

ACC 601 Financial Statement Analysis II

Prerequisites: ACC 600/equivalent. The course examines contemporary tools and techniques available for analyzing the financial statements and other data to derive measurements and relationships that are useful in decision-making. Financial analysis is discussed in detail as a screening tool in the selection of investments or merger candidates, a method of forecasting future financial and operating results, and as a means of diagnosing managerial, operating, or other problem areas. *Credit: 3 semester hours.*

ACC 602 Global Financial and Managerial Reporting

Prerequisite: None. This course covers financial and managerial accounting principles and concepts that form the basis of the external and internal reporting by business entities. The course employs a case study approach to consider the use of generally accepted accounting principles (GAAP) and Security and Exchange Commission (SEC) reporting and disclosure requirements. The course also explains how financial information is communicated to management, stockholders, creditors and others interested in the status of the business enterprise. *Credit: 3 semester hours.*

ACC 603 Financial Reporting

Prerequisite: None. This course explains and interprets the form and content of financial reports issued by business entities in order to provide investors, creditors, and others with the information necessary to understand the entities' financial positions, profitability and future cash flows, all which determine market values. Topics include working capital, operating assets, long-term financing instruments, pensions, share-based payments, stockholders' equity, and comprehensive income. *Credit: 3 semester hours.*

ACC 605 Internships in Accounting, Assurance, and Advisory Services

Prerequisite: ACC 630/ACC 623/ACC 628/equivalent. This course provides students with the opportunity to develop accounting, assurance and, advisory services skills in an actual work setting outside the classroom. A

research paper, a journal of accomplishments, and employer evaluations are required. *Credit: 3 semester hours.*

ACC 606 Internships in Accounting, Assurance, and Advisory Services I

Prerequisite: ACC 630/ACC 623/ACC 628/equivalent. This course provides students with the opportunity to develop accounting, assurance and, advisory services skills in an actual work setting outside the classroom. A journal of accomplishments, and employer evaluations are required. *Credit: 1 semester hour.*

ACC 607 Internships in Accounting, Assurance, and Advisory Services II

Prerequisite: ACC 630/ACC 623/ACC 628/equivalent. This course provides students with the opportunity to develop accounting, assurance and, advisory services skills in an actual work setting outside the classroom. A journal of accomplishments, and employer evaluations are required. *Credit: 1 semester hour.*

ACC 608 Internships in Accounting, Assurance, and Advisory Services III

Prerequisite: ACC 630/ACC 623/ACC 628/equivalent. This course provides students with the opportunity to develop accounting, assurance and, advisory services skills in an actual work setting outside the classroom. A journal of accomplishments, and employer evaluations are required. *Credit: 1 semester hour.*

ACC 615 Financial Reporting: Concepts and Applications

Prerequisite: None. This course examines generally accepted accounting principles underlying the preparation of financial statements in the United States. Topics include the theory upon which financial statements are prepared, as well as its application to valuation, classification, and disclosure of various assets. A comprehensive financial accounting practice set is assigned. The course requires a one-hour non-credit workshop. *Credit: 3 semester hours.*

ACC 620 Global Managerial Accounting I

Prerequisite: None. This managerial accounting course provides students with an opportunity to discuss and understand planning and control, pricing decisions and cost management. Emphasis is placed on cost behavior, cost-volume analysis, absorption, variable, process and job order costing applications, Master budget and responsibility accounting; flexible budgets, direct-cost and overhead variances, decision making and relevant information capital budgeting and cost analysis; Transfer Pricing and Multinational Considerations. *Credit: 3 semester hours.*

ACC 621 Controllership

Prerequisite: ACC 602/ACC 620/equivalent. This course examines the interrelationships of the sub-disciplines of accounting – financial, managerial, systems, and taxation – through

the analysis of management decision problems in a variety of organizational contexts and through interaction with professionals. This course analyzes major corporate decision areas such as: external financial reporting; planning, budgeting and forecasting; performance management; cost management; internal controls; financial statement analysis; corporate treasury; decision analysis; investment decisions; risk management; and professional ethics. International and U.S. case studies will be assigned to demonstrate students' global knowledge and skills. *Credit: 3 semester hours.*

AIS 622 Global Managerial Accounting II

Prerequisite: ACC 620 or equivalent. This course examines pricing decisions and cost management; cost allocation, customer-profitability analysis, and sales-variance analysis; allocation of support-department costs, common costs, and revenues; cost allocation: joint products and byproducts; process costing; spoilage, rework, and scrap; balanced scorecard: quality and time; inventory management, just-in-time, and simplified costing methods; capital budgeting and cost analysis; management control systems, transfer pricing, and multinational considerations; and performance measurement. International and U.S. case studies will be assigned to demonstrate students' global knowledge and skills. *Credit: 3 semester hours.*

ACC 626 Forensic Accounting Principles

Prerequisite: ACC 623/ACC 628/ERM 601/equivalent. This course provides the forensic techniques needed to examine fraudulent financial schemes, with emphasis on understanding the characteristics of fraud and its prevention and detection. *Credit: 3 semester hours.*

ACC 627 Business Valuations

Prerequisite: ACC 615/equivalent. This course provides study of the role of financial accounting in business valuations with an emphasis on contemporary valuation approaches and methodologies including those based on: income, discounted income; market value, merged and acquired company; capitalized excess earnings; asset-based; and asset accumulation. *Credit: 3 semester hours.*

ACC 630 Financial Reporting: Specialized Topics

Prerequisite: ACC 615/equivalent. This course examines accounting issues underlying financial reporting. Topics include accounting for: intangible assets, investments, non-current assets, current and long-term liabilities, stockholders' equity, earnings per share, cash flows, income taxes, pensions, leases, accounting changes, disclosures, and revenue recognition. The course requires a one-hour non-credit workshop. *Credit: 3 semester hours.*

ACC 635 Derivatives and Other Financial Instruments

Prerequisite: ACC 602/ACC 615/equivalent. This course examines the accounting,

economic, regulatory, reporting, and disclosure requirements relating to derivatives and other financial instruments from both an investing and financing perspective. *Credit: 3 semester hours.*

ACC 636 Financial Institutions

Prerequisite: ACC 602/ACC 615/equivalent. This course examines significant issues relating to regulatory, accounting, financial presentation and disclosure requirements of commercial, savings and investment banks, credit unions, finance companies, and investment companies. *Credit: 3 semester hours.*

ACC 638 Business Entities and Combinations

Prerequisite: ACC 630/equivalent. This course covers accounting for mergers and acquisitions by corporations including the preparation of consolidated financial statements, accounting for foreign currency transactions and foreign subsidiaries. Extensive use of Excel required. *Credit: 3 semester hours.*

ACC 639 Government and Not-for-Profit

Prerequisite: ACC 630/equivalent. This course examines the special accounting procedures and problems with respect to governmental and not-for-profit entities and the reporting requirements promulgated by the FASAB, the GASB and other standard setting bodies. In addition, this course examines governmental auditing standards as promulgated by the Governmental Accountability Office (GAO). *Credit: 3 semester hours.*

ACC 640 SEC Accounting Practice

Prerequisite: ACC 602/ACC 615/equivalent. This course examines the registration and reporting requirements contained in various SEC rules such as Regulations S-K, S-X, S-T, and S-B along with exemptions provided under Regulations A and D. Financial Reporting Releases, Industry Guides, and Staff Accounting Bulletins are also discussed. *Credit: 3 semester hours.*

ACC 654 International Financial Reporting I

Prerequisite: ACC 602/ACC 615/equivalent. This course is designed to familiarize students with the infrastructure and institutional elements of IFRS, provide an overview of the International Accounting Standards Board (IASB) and its due process, conceptual framework underlying IFRS, and the core accounting topics on financial statement elements and presentation. Differences between IFRS and U.S. Generally Accepted Accounting Principles (U.S. GAAP) are explored. *Credit: 3 semester hours.*

ACC 655 International Financial Reporting II

Prerequisite: ACC 654/equivalent. This course is designed to familiarize students with the IFRS in the global practice through the study of advanced accounting topics on financial statement elements and presentation, first time adoption of IFRS, and IFRS for Small and Medium-Sized Entities (IFRS for SMEs). Differences between IFRS and U.S. Generally

Accepted Accounting Principles (U.S. GAAP) are explored. This is the second course in a series of two graduate courses devoted to IFRS. *Credit: 3 semester hours.*

ACC 672 Investment Company Accounting, Reporting, and Audit

Prerequisite: ACC 615/602/equivalent. This course introduces the essential techniques required to perform accounting, reporting, regulatory, and operational due diligence on investment companies and other alternative investments. Topics include an overview of Investment Company accounting and financial reports, valuation and custody assessment, asset verification techniques, common red flags, fraud case studies, and fund interview strategies. This course provide an introduction to operational risk and due diligence in an alternative investment context with a particular focus on hedge funds. *Credit: 3 semester hours.*

ACC 681 Sustainability Accounting and Reporting

Prerequisite: ACC 615/602/equivalent. This course examines business sustainability and accountability reporting and their integration into strategy, governance, risk assessment, performance management and the reporting process. It also highlights how people, business and resources collaborate in a business sustainability and accountability model by (a) looking at business sustainability and accountability reporting and assurance and their incorporation into the reporting process; (b) focusing on how the business sustainability and accountability model are impacted by the collaboration of people, business, and resources; and (c) presenting laws, rules, regulations, commit fraud, the risks of fraud by function and why management and other responsible parties fail to uncover fraud, corporate governance and its responsibility, the role of internal controls in fraud prevention, fraud detection, and fraud correction, how to conduct a fraud Investigation and maintain proper evidential matter, as well as, ethical considerations. *Credit: 3 semester hours.*

ACC 683, Sustainability: Implementation & Disclosure

Prerequisite: ACC 681 Sustainability: Accounting and Reporting, or an equivalent course. This course provides background on the subject matter of sustainability information reporting, sometime referred to as Corporate Social Responsibility reporting. It defines the objectives of an organization's efforts to establish, or enhance, their reporting processes for sustainability topics. It will introduce the students to number of publicly available and internationally recognized guidelines and standards. The course will also incorporate the Sustainability Accounting Standards Board's (SASB) topics and metrics. First as a basis for determining what constitutes material information, given an organization's industry

and geographic footprint. Then to assess an organization's readiness to report given any existing mandatory or voluntary reporting, whether for internal or external purposes. After addressing any gaps identified, we then cover how an organization may use their relevant topics and metrics to evaluate their strengths, weaknesses, opportunities and threats, (aka SWOT analysis) given their current performance. The course then shifts its focus onto how to integrate the generation and monitoring of these metrics into existing internal processes, including the departments to involve. Lastly, the course covers how best to organize their external disclosures, including but not limited to the annual reports Management, Discussion & Analysis (MD&A) narrative, exploring both legal and ethical considerations. *Credit: 3 semester hours.*

ACC 684 Advanced Income Tax Accounting and Financial Reporting

Prerequisite: ACC 630/equivalent. This course examines advanced financial accounting reporting and auditing of income taxes under Accounting Standards Codification 740. Topics will include the calculation of current and deferred tax provisions, an overview of book-tax differences, the calculation of interim provisions, valuation allowances, net operating losses. Topics also include related financial statement presentations and footnote disclosures of income taxes including analysis of recent Securities and Exchange Commission comment letters. specialized topics include accounting and reporting for uncertain tax provisions, tax accounting for business combinations, tax accounting for stock compensation expense, foreign operations, naked tax credits and true-up adjustments. IFRS versus U.S. GAAP differences for income tax accounting, and recent FASB projects impact on income tax accounting. *Credit: 3 semester hours.*

ACC 690 Seminar in Financial Accounting Research

Prerequisite: ACC 630/DS 609/equivalent. The course prepares students for empirical research in the financial accounting area. Due to the large volume of literature in the area, students will have two reading lists. First, students will focus on a small number of articles (1-2 articles) in each week followed by a more extensive list of papers that are useful in developing research ideas. These papers are marked with a "*" in front of author names. Students will read all assigned papers thoroughly before class, and discuss the papers and exchange ideas during the class. Students will be introduced to quantitative methodologies needed for empirical accounting research. These methodologies will enable students to derive mathematical equation and formulae in homework. At the end of the semester, students will learn SAS programming to prepare them for empirical data analysis. *Credit: 3 semester hours.*

ACC 925 Maintaining Matriculation

M.B.A. and M.S. students not registered for courses during a semester must register for ACC 925 in order to maintain matriculation and return to the program for the remaining courses. *No credit. Fee \$100 per semester.*

Assurance and Information Systems (AIS)

AIS 623 Auditing: Concepts and Applications

Prerequisite or Co-requisite: ACC 615/ equivalent. This course provides a study of current auditing theory and techniques, generally accepted auditing standards, the auditing standards of the PCAOB and IFAC, especially as they relate to audit objectives, pre-engagement and audit planning activities, the assessment of internal controls, the uses of sampling, the performance of procedures during the audit, and the various reports and services rendered by independent auditors. *Credit: 3 semester hours.*

AIS 624 Information Technology Auditing

Prerequisite or Co-requisite: AIS 623/ACC 628/ERM 601/equivalent. The course evaluates technology controls in mitigating risks in accounting information and communication systems and considers the procedures performed by the internal and external auditors to obtain assurance regarding IT governance; systems acquisition, development, and implementation; systems operations, maintenance and support; continuity planning; and physical and data security. *Credit: 3 semester hours.*

AIS 625 Accounting Ethics and Professionalism

Prerequisite: Taken in last 12 credits. This capstone course addresses ethical issues relating to professional responsibilities posed by the federal regulatory agencies (e.g. SEC, IRS, GAO, DOL, etc.), self-regulatory bodies (i.e., PCAOB), and professional organizations (e.g., AICPA, IIA, IMA, ISACA, etc.) as well as the code of conduct, used by different states as a basis for professional certification. *Credit: 3 semester hours.*

AIS 628 Internal Auditing

Prerequisite: None. This course evaluates risk exposures relating to the organization's governance, operations and information systems, in relation to: (a) effectiveness and efficiency of operations, (b) reliability and integrity of financial and operational information, (c) safeguarding of assets, and (d) compliance with laws, regulations, and contracts. *Credit: 3 semester hours.*

AIS 629 International Auditing

Prerequisite: ACC 602/ACC 615/ACC 654/ equivalent. This course examines International Standards on Auditing (ISA) issued by International Federation of Accountants (IFAC) and examines how those standards improve the uniformity of practice by professional

accountants throughout the world. *Credit: 3 semester hours.*

AIS 660 Fraud Examination I

Prerequisite or Co-requisite: AIS 623/ACC 628/ERM 601/equivalent. This course examines frauds that have occurred in recent years and addresses: (a) the nature of the scheme and how the fraud was perpetrated, (b) how the fraud was covered up, (c) why the auditors, the board of directors, and the regulators did not discover the fraud, (d) what should have been done by auditors, board members and regulators to prevent and detect the fraud, and what weaknesses in controls existed to allow the situation to occur. Actual examples of recent frauds will be used and discussed. *Credit: 3 semester hours.*

AIS 661 Fraud Examination II

Prerequisite: AIS 660/equivalent. This course analyzes frauds to determine the meaning or type of fraud involved (fraudulent financial statements, misappropriation of assets, or corruption), the people responsible for perpetrating the fraud and their motivation to that the security architecture (policies, standards, procedures, and controls) ensures the confidentiality, integrity and availability of information assets. *Credit: 3 semester hours.*

AIS 662 Accounting Information: Governance and Audit

Prerequisite: ACC 623/ACC 628/ERM 601/ equivalent. This course examines audit services and enterprise IT governance to develop the knowledge necessary to provide audit services in accordance with IT audit standards and to assist the enterprise with protecting and controlling information systems. Students will be able to understand and to provide assurance that the enterprise has the structure, policies, accountability mechanisms and monitoring practices in place to achieve the requirements of corporate governance of IT. *Credit: 3 semester hours.*

AIS 663 Accounting Information: Systems Development and Operations

Prerequisite: AIS 623/ACC 628/ERM 601/ equivalent. This course examines the acquisition, development, implementation, operations, maintenance and support of accounting information systems and considers appropriate audit and control procedures. Students should be able to provide assurance that the practices for the acquisition, development, testing and implementation of information systems meet the enterprise's strategies and objectives; and that the IT service management practices ensure the delivery of the level of services required to meet the enterprise's objectives. *Credit: 3 semester hours.*

AIS 664 Accounting Information: Cyber Security

Prerequisite: ACC 623/ACC 628/ERM 601/equivalent. This course provides an

understanding of information security fundamentals, and key system security engineering, analysis and assessment techniques, tactics and procedures that are internationally accepted information security practices. The course will also prepare students to handle security incidents more effectively leading to improved business response and reduced adverse impact. *Credit: 3 semester hours.*

AIS 665 Accounting Information: Protection of Assets

Prerequisite: AIS 623/ACC 628/ERM 601/ equivalent. This course examines accounting information and communication systems' security and the protection of information assets to understand and provide assurance standards, and best practices relevant to business sustainability performance, reporting and assurance. *Credit: 3 semester hours.*

AIS 667 Accounting Information: Enterprise Resource Planning

Prerequisite: AIS 623/ACC 628/ERM 601/ equivalent. This course develops the student's understanding of the market and evolution of ERP systems, ERP technology, business process reengineering, process mapping, the ERP life cycle (i.e., planning, package selection, implementation, operation, and maintenance), ERP functionality (e.g., sales, purchasing, HR, accounting, plant maintenance and warehousing), and ERP auditing/security issues. *Credit: 3 semester hours.*

AIS 668 Accounting Information: Analytics and Forensics

Prerequisite: ACC 623/ACC 628/ERM 601/ equivalent. This course examines issues related to the automated monitoring of a company's financial and non-financial data to ensure its validity and integrity, and then using both simple and complex analytical tools to ensure the data is meaningful for its function or purpose and to ensure the company's internal controls are functioning properly. Various software products are used to perform such continuous monitoring. This process has come to be known as data or audit analytics. This course also examines issues related to information technology frauds and methods of fraud detection and deterrence. *Credit: 3 semester hours.*

AIS 669 Accounting Information: IT Risks and Controls

Prerequisite: ACC 623/ACC 628/ERM 601/ equivalent. This course examines information technology-related business risk management and the methodology that includes risk identification, evaluation and response. The course describes the principles of information technology risk management, the responsibilities and accountability for information technology risk, how to build risk awareness, and how to communicate risk scenarios, business impact and key

risk indicators. Included in the course is the opportunity to create a business-focused, process-oriented and measurement-driven risk response plan. *Credit: 3 semester hours.*

AIS 670 Emerging Technology and Robotic Process Automation in Accounting

Prerequisite: AIS 623/AIS 624/equivalent. This class covers the application of three important emerging technologies in accounting: machine learning, blockchain, and robotics process automation (RPA). Students will learn the application of machine learning and blockchain in accounting and gain hands-on knowledge to develop bots. Students will learn various software packages used to automate solutions to audit, financial accounting, tax, and managerial accounting problems. *Credit: 3 semester hours.*

AIS 684 Sustainability Information: Attestations

Prerequisite: ACC 615, AIS 623 or equivalent. This course provides background on the subject matter of sustainability information, defines the objectives of an examination or review of sustainability information under AICPA attestation standards, and provides guidance on applying the engagement preconditions of AICPA attestation standards to a potential attestation engagement on sustainability information. In addition, this course provides guidance on agreeing to the terms of an attest engagement and requesting a written assertion with respect to sustainability information. This course explains current guidance on planning the attestation engagement on sustainability information, performing the engagement, forming an opinion or conclusion and reporting on an attestation engagement on sustainability information, and specifically how to perform an engagement when the sustainability information is Greenhouse gas (GHG) emissions information. *Credit: 3 semester hours.*

AIS 685 Advanced Internal Auditing

Prerequisite: ACC 628/equivalent. This course builds on the principles of Internal Auditing curriculum to provide students with additional introduction to topics related to the management of the Internal Audit function. Topics that are included in this course are: corporate governance, enterprise risk management, quality assurance review process, environmental and process quality audits, and value added activities. *Credit: 3 semester hours.*

AIS 686 Developing and Managing an Internal Audit Function

Prerequisite: ACC 628/equivalent. This course provides a foundation for the establishment and management of an internal audit function and the role of the chief audit executive (CAE). Topics that included in this course are the following: review of key audit function foundations, risk based auditing, conducting effective audits, e-crime, engaging with the audit structure, audit reports – working with

stakeholders, the use of technology within economic crime fighting, effective linkage of organizational systems, and engaging with external auditing. *Credit: 3 semester hours.*

AIS 690, Accounting Information: Case Studies

Prerequisite: None. This Case Studies course may cover internal audit topics in a team presentation format. Each team may make multiple presentations during the week with significant critique from all participants (students, faculty, and practitioners). As part of the case analysis and presentations, the students will develop critical thinking, presentation, and teamwork skills. Furthermore, students will learn how to act as a professional. *Credit: 3 semester hours.*

Taxation (TAX)

TAX 600 Tax Research and Writing

Prerequisite: None. This course concentrates on the skills needed to research tax questions and considers the sources of the federal tax law including legislative, administrative and judicial explanations and interpretations. *Credit: 1 semester hour.*

TAX 603 Corporate Taxation

Prerequisite: None. This course provides an intensive study of the choice of business organizations; corporate stockholder transactions; tax accounting; and special types of corporations. *Credit: 3 semester hours.*

TAX 605 Internship in Taxation

Prerequisite: TAX 603/TAX 610/TAX 635/equivalent. This course provides students with the opportunity to develop tax skills in an actual work setting outside the classroom. A research paper, a journal of accomplishments, and employer evaluations are required. *Credit: 3 semester hours.*

TAX 606 Internship in Taxation I

Prerequisite: TAX 603/TAX 610/TAX 635/equivalent. This course provides students with the opportunity to develop tax skills in an actual work setting outside the classroom. A journal of accomplishments and employer evaluations are required. *Credit: 3 semester hours.*

TAX 607 Internship in Taxation II

Prerequisite: TAX 603/TAX 610/TAX 635/equivalent. This course provides students with the opportunity to develop tax skills in an actual work setting outside the classroom. A journal of accomplishments and employer evaluations are required. *Credit: 3 semester hours.*

TAX 608 Internship in Taxation III

Prerequisite: TAX 603/TAX 610/TAX 635/equivalent. This course provides students with the opportunity to develop tax skills in an actual work setting outside the classroom. A journal of accomplishments and employer evaluations are required. *Credit: 3 semester hours.*

TAX 610 Individual Tax Planning

Prerequisite: None. This course examines how to determine taxable income, including coverage of income, exclusions, deductions, and credits. *Credit: 3 semester hours.*

TAX 612 Partnerships and Partners

Prerequisites: TAX 610/equivalent. This course provides a study of the uses, formation, operation and termination of partnerships, including family partnerships. *Credit: 3 semester hours.*

TAX 621 Estates and Gifts

Prerequisites: None. This course examines the rules and interrelationship between the estate tax and gift tax, and introduces basic elements of estate planning. *Credit: 3 semester hours.*

TAX 622 Income Taxation of Trusts and Estates

Prerequisites: TAX 621/equivalent. This course provides a study of the planning and a preparation of trust and estate income tax returns; computation of taxable net income and distributable net income; operation of the "throwback" rule. *Credit: 3 semester hours.*

TAX 631 Corporate Distributions, Liquidations and Reorganizations

Prerequisites: TAX 603/TAX 635/equivalent. This course provides a study of the tax aspects of corporate-stockholder relationships; tax-free re-organizations, liquidations, parent-subsidary transactions and corporate distributions. *Credit: 3 semester hours.*

TAX 635 Business Tax Planning

Prerequisite: None. This course provides a study of tax issues pertaining to corporations, partnerships, and special entities. *Credit: 3 semester hours.*

TAX 643 State and Local Income Taxation

Prerequisite: None. The course examines state and local level corporate and individual income taxes and how several selected state tax systems interact with federal taxation systems. This course analyses the nexus of in-state business activity that requires state tax filings, including the general requirements to start a business in a particular state, the financial impact of state income taxation systems on the provision for taxes and the knowledge necessary to properly comply with interstate filings and interacting federal compliance tax laws. In addition the student will learn how to deal with the ethical and social issues that regularly confront taxpayers on interstate commerce transaction. *Credit: 3 semester hours.*

TAX 651 International Taxation I

Prerequisite: TAX 603/TAX 635/equivalent. This course analyzes the impact of the U.S. tax system in two areas: (a) U.S. persons investing or operating abroad, and (b) foreign persons investing or operating in the United States. Topics include source rules for income

and deductions, definitions of U.S. and foreign person, an introduction to outbound international taxation, and controlled foreign corporation provisions. *Credit: 3 semester hours.*

TAX 652 International Taxation II

Prerequisite: TAX 651/equivalent. This course analyzes the impact of such issues as foreign tax credit limitations, subpart F for specialized entities, DISC, etc., as well as, the international tax aspects of business restructurings, foreign currency, international tax free exchanges, international sale of goods, exploitation of intangible property rights abroad, direct investment, and international boycott and foreign bribery provisions. *Credit: 3 semester hours.*

TAX 653 Global Taxation Systems

Prerequisite: TAX 603/TAX 635/equivalent. This course analyzes taxation models and methods used to finance government expenditures. Taxation systems studied include income taxes, such as the current federal, state, and local income taxes, flat and gross income taxes; consumption taxes such as sales, use, excise, and a variety of other transaction taxes; transfer taxes such as estate, gift, and inheritance taxes, value added taxes, and property taxes. *Credit: 3 semester hours.*

TAX 661 Compensation, Benefit and Retirement Plans

Prerequisite or Co-requisite: TAX 610/equivalent. This course examines the tax consequences as well as various strategies and opportunities relating to the design and implementation of executive compensation and benefit and retirement plans. *Credit: 3 semester hours.*

TAX 662 Real Estate

Prerequisite or Co-requisite: TAX 610/equivalent. This course examines the tax issues and planning opportunities encountered in the acquisition, operation, and disposition of real property. *Credit: 3 semester hours.*

TAX 663 Financial Products

Prerequisite or Co-requisite: TAX 610/equivalent. This course examines the tax issues relating to financial products including debt and equity securities, mortgage-backed securities, derivative, and foreign exchange contracts. *Credit: 3 semester hours.*

TAX 664 Intellectual Property

Prerequisite or Co-requisite: TAX 610/equivalent. This course examines the federal tax consequences of the development, purchase, sale and licensing of intellectual properties, including inventions (whether or not patentable), trade secrets, trademarks, trade names, copyrights and computer software. *Credit: 3 semester hours.*

TAX 671 Tax-Exempt Institutions

Prerequisite: TAX 610/equivalent. This course examines the tax aspects of tax-exempt organizations, including those of charitable and educational organizations, civic leagues, labor unions, and health and welfare funds. *Credit: 3 semester hours.*

TAX 672 Specialized Industries

Prerequisite: TAX 603/TAX 635/equivalent. This course examines the tax treatment of specific industries (such as health care and entertainment) and capitalizes on the availability of industry experts and government officials to analyze issues in depth from a particular industry perspective. *Credit: 3 semester hours.*

TAX 681 Tax Accounting

Prerequisite: TAX 603/TAX 610/TAX 635/equivalent. This course examines the difference between the government rules required to compute tax liability and those required by the accounting profession to reflect the financial condition of a business. *Credit: 3 semester hours.*

TAX 682 Special Topics in Taxation

Prerequisite: TAX 603/TAX 610/TAX 635/equivalent. This course examines current developments in federal income, estate and gift taxation, as a consequence of recent court decisions, legislation, regulations and rulings. *Credit: 3 semester hours.*

TAX 683 Practice and Procedure

Prerequisite: TAX 603/TAX 610/TAX 635/equivalent. This course examines the procedures to resolve disagreements—both pre- and post-audit—with the Internal Revenue Service. *Credit: 3 semester hours.*

TAX 691 Research Project

Prerequisite: TAX 600 or equivalent, Taken in last 12 credits. This course offers an opportunity to research and write about a current and relevant topic in taxation, resulting in an article of publishable quality. *Credit: 3 semester hours.*

Department of Business Analytics/ Information Systems

Business Analytics

BUA 602 Business Statistics

Prerequisites: None. In this course students are exposed to major business analytics tools useful in business decision making. Topics covered include: Big Data, Data Warehousing, Descriptive Statistics, Visual Analytics, Business Reporting, Regression Analysis and Model Building, Forecasting Models, Data Mining, Emerging Trends and Future Directions of Business Analytics. The assigned computer projects will provide extensive practice using computer programs to solve business analytics problems for management decision making. *Credit: 3 semester hours.*

BUA 609 Advanced Managerial Statistics

Prerequisites: BUA 602 or equivalent. This course covers applications of statistical theory to managerial problems. Topics include: analysis of variance; testing of hypotheses; correlation and regression (simple and multiple); analysis of economic time series and problems of forecasting: non-parametric methods and index numbers. Students use standard statistical programs. *Credit: 3 semester hours.*

BUA 611 Machine Learning for Business.

Prerequisite: BUA 602 or equivalent. Machine-learning algorithms use statistical methods to find patterns in massive amounts of data. With an incredible increase in the amount of business data which are generated daily around the world, business practitioners need to be able to use different analytical methods to stay ahead of their competitors. Data is everywhere and its volume is increasing exponentially. Although data encompasses a lot of things—numbers, words, images, clicks, and even display numerical location axis. As long as it can be digitally stored, it can be fed into a machine-learning model. As a result, Machine Learning has become one of the most stimulating technologies during the last 15 years. In this course students learned about different machine learning techniques through applied, hands-on projects using variety of business data. *Credit: 3 semester hours.*

BUA 613 Text Analytics for Business Application

Prerequisite: BUA 602 or equivalent. The ability to extract useful information and actionable insights from heaps of unstructured and raw textual data is in great demand for business today with regard to applications in Natural Language Processing (NLP) and text analytics. The idea of this course is to give students a flavor of the vast landscape of text analytics and NLP and arm students with the necessary tools, techniques, and knowledge to tackle business-related problems and start solving them. The first portion of the course tackles the basics of natural language understanding and Python constructs in the initial chapters. Training data, validation data, and out-of-sample validation data for model development and validation are discussed. Once you are familiar with the basics, it addresses interesting problems in text analytics in each of the remaining chapters, including text classification, clustering, similarity analysis, text summarization, and topic models. In this course students will learn to analyze text structure, semantics, sentiment, and opinions. For each topic, it will be composed of both basic concepts and the use of real-world scenarios and data to implement the techniques covered. *Credit: 3 semester hours.*

BUA 631 Decision Science and Spreadsheet Modeling

Prerequisite: BUA 602 or equivalent. This is a survey course in the most commonly used decision-making techniques for planning and analysis of managerial problems. Spreadsheet software and other related computer packages are utilized for real-time problem solving. *Credit:* 3 semester hours.

BUA 632 Bayesian Statistics for Business Decision Making

Prerequisite: BUA 602 or equivalent. This course is an intermediate treatment to Bayesian inferential and decision procedures as applied to managerial problems. Real cases in inventory control, development and introduction of new product, demand forecasts and evaluation of business research projects are used to demonstrate the application of Bayesian statistical principles. This course is especially recommended to management and marketing majors. *Credit:* 3 semester hours.

BUA 633 Predictive Analytics and Business Forecasting

Prerequisite: BUA 602 or equivalent. This course covers the application of generally accepted regression and forecasting techniques to various phases of business decision making. Actual models in use will be reviewed and evaluated. *Credit:* 3 semester hours.

BUA 634 Statistical Quality Control for Business

Prerequisite: BUA 602 or equivalent. This course covers the application of statistical quality control techniques to industrial processes. Topics covered are sampling techniques; the design and use of single, double and sequential acceptance sampling plans; control charts and the design of industrial experiments. *Credit:* 3 semester hours.

BUA 635 Big Data and Data Mining

Prerequisite: BUA 602 or equivalent. This course deals with applying the state-of-the-art methodologies and techniques for analyzing enormous quantities of raw data in high-dimensional data spaces for the purpose of extracting new information for decision making. The covered topics include methods and algorithms originating from different disciplines including statistics, machine learning, neural networks, fuzzy logic, and evolutionary computation. Case studies in the areas of finance, accounting, personnel, production, health care, and marketing systems are examined. Class projects will be assigned for hands-on practice. *Credit:* 3 semester hours.

BUA 925 Maintaining Matriculation

Master of Business Administration students not registered for courses during a semester must register for DS 925 in order to maintain matriculation and return to the program for the remaining courses. *No Credit. Fee: \$100 per semester.*

Information Systems (IS)**IS 601 Advanced Computer Applications for Business**

Prerequisite: None. This is an advanced course in applications of computer software. This course changes each semester, but currently includes sophisticated and integrated applications of spreadsheets, data bases, project management and the internet. *Credit:* 3 semester hours.

IS 605 Applied Computer Languages

Prerequisite: IS 601. This course covers the design, modeling, implementation and management of relational database systems. Key course topics include design principles, data modeling, normalization, and implementation using relational DBMS software such as Oracle, MYSQL and MS SQL Server. It will also survey the emerging trend topics such as data warehouse and Web database technologies. *Credit:* 3 semester hours.

IS 644 Systems Analysis and Design

Prerequisite: IS 601 or equivalent programming exposure. This course deals with the analysis, design and implementation of computer information systems. There is in-depth exposure to the theory, application and procedures of systems analysis. Case studies in the areas of finance, personnel, production and marketing systems are examined. *Credit:* 3 semester hours.

IS 645 Database Management

Prerequisite: IS 601. An intensive presentation and appraisal of the fundamental technology and practice of database management systems design, implementation and application. This course examines the organization and management of data and databases. *Credit:* 3 semester hours.

IS 646 Computer Simulation Methods

Prerequisite: BUA 602 and IS 601. This course covers the application of simulation techniques as a method for planning and system evaluation in business and government; emphasis is on discrete systems. System and modeling concepts are examined and related to the construction of simulation models to solve complex problems. Major simulation languages and spreadsheet are utilized. *Credit:* 3 semester hours.

IS 647 Data Communications and Networks for Business

Prerequisite: IS 601. This course combines a detailed introduction to data communications and networking concepts and theory with a practical, approach that enables students to apply the theory in real world environments. It also intends to give a comprehensive survey of the entire data and computer communications field. *Credit:* 3 semester hours.

IS 650 Seminar in BUA/IS

Prerequisite: BUA 602 or BUA 631 or IS 645. This is a research and case study course in the application of information technology and quantitative techniques to business problems. Students are expected to carry out independent research and prepare written and oral reports of their findings as a major requirement of the course. *Credit:* 3 semester hours.

IS 699 Information Systems Internship

Prerequisites: IS 601 or equivalent. This internship seeks to provide students with the opportunity to develop Information Systems skills in an actual work setting outside the classroom. The internship is a one term, part time, credit bearing IT position within a supervised work environment. Practical application of IT practices and theories is emphasized. In addition to Internship responsibilities a research project is required. This course may be taken only once. *Credit:* 3 semester hours.

Department of Economics and Finance**Economics (ECO)****ECO 600 Managerial Economics and Forecasting**

Prerequisite: ECO 606. This course focuses on applied microeconomics. It addresses practical business problems, including analysis of industries within national and international contexts. The course also analyzes the problem of forecasting as an integral part of decision-making. *Credit:* 3 semester hours.

ECO 604 – Economic Foundations

Prerequisite: None. The course aims to introduce students to fundamentals of economics—both micro and macro—that are deemed essential for licensed professionals in accounting and finance. Students will learn economic by solving a series of practical business problems and discussing major policy issues of the day. *Credit:* 3 semester hours.

ECO 605 International Trade and Investment

Prerequisite: ECO 606. This course focuses on the international economic and monetary systems. It examines the different international monetary arrangements, analyzes the balance of payments accounts, provides theoretical bases for trade among countries, and addresses current problems and issues in commercial policy, and foreign business investment to and from the United States, the EU and other economic blocks. *Credit:* 3 semester hours.

ECO 606 Industrial Economics

Prerequisite: None. This course aims to familiarize students with the application of economic concepts to real world competition among firms. The structure-conduct-performance framework of industrial

organization is interpreted from a business perspective, with emphasis on the appreciation of the evolution of industrial structure as cumulative byproduct of strategies of competing firms within the legal and political environment. Students will develop abilities to apply economic tools to rapidly changing industrial scenes of today. Emphasis is placed on developing analytical abilities, information gathering, analysis and presentation skills, as well as developing an advanced understanding of economic theory and the economy. *Credit: 3 semester hours.*

ECO 631 Monetary and Fiscal Policies

Prerequisite: ECO 606. The course looks at how the government and the central bank use macroeconomic policies to achieve macroeconomic stability. Topics include the structure and operation of the banking system; money supply and demand and the tools of monetary, fiscal and debt management policies and their application in the face of business fluctuations and financial panics. *Credit: 3 semester hours.*

ECO 670 Urban Economics

Prerequisite: None. This urban economics course examines the main economic forces that lead to the existence of cities and regional agglomeration. In particular, the theory and evidence on the emergence of cities and their effect on worker productivity, urban amenities, and congestion will be discussed. This course will also examine the problems in measuring these urban characteristics, the methodologies to do it, as well as the design of optimal urban policy. The economic theory and evidence on the internal structure of cities together with the urban and housing policies that can enhance urban living, and the role cities play in aggregate economic development will be analyzed. *Credit: 3 semester hours.*

Finance (FIN)

FIN 607 Financial Management

Prerequisite: None. This course introduces the student to elements of managerial finance within an analytical framework. Conceptual and quantitative approaches are used to examine some issues related to investment and financing decisions, and provides some exposure to other strategic financial decisions made within the corporation. The course will combine theory with practice in its focus on financial decision making. *Credit: 3 semester hours.*

FIN 625 Ethics and Professionalism for Finance

Prerequisite: None. This course provides an introduction to ethical reasoning, integrity, objectivity, independence, core values and professional issues in investment management and finance. Students will apply the concepts and theories to investment management cases. *Credit: 3 semester hours.*

FIN 628 Market Risk Management

Prerequisite: FIN 607. This course examines market risk measurement and management analytics. The course covers market risks on various types of assets. Value-at-Risk will be addressed in detail as a measure of a company's portfolio risk exposures. In addition, derivative hedging strategies will be demonstrated by means of futures, forwards, swaps, and options. *Credit: 3 semester hours.*

FIN 629 Credit Risk Management

Prerequisite: FIN 607. This course focuses on understanding and controlling credit risk of the firm in the global credit environment. It provides a conceptual framework as well as relevant tools and techniques to identify and measure credit risk exposures. In addition, techniques to mitigate the exposures are examined as well. *Credit: 3 semester hours.*

FIN 633 Corporate Financial Management

Prerequisite: FIN 607. This course examines the theory of business finance and the financial techniques and tools employed by modern corporate managers. The student will be introduced to corporate investment and financing decisions, financial modeling, financial forecasting and other microcomputer applications that pertain to finance. *Credit: 3 semester hours.*

FIN 634 Investment Analysis

Prerequisite: FIN 607. This course covers the microstructure of the securities markets, trading mechanisms, investment processes, investment objectives, risk analysis and security valuation. The course examines the applicability of fundamental analysis, efficient market theory and technical analysis. Hedging and alternative investments are also covered. *Credit: 3 semester hours.*

FIN 635 Capital and Money Markets

Prerequisite: FIN 607. The course focuses on structure, operation, instruments and players of the capital markets in the United States, Japan, Europe and emerging markets. The course also discusses the impact of government policy on interest rates, exchange rates, market practices, development of securities design, financial risk management and international monetary policies. *Credit: 3 semester hours.*

FIN 636 Mergers, Acquisitions, and Restructuring

Prerequisites: FIN 607 and ACC 602. This course builds on the prior courses in corporate finance. Students who are interested in investment banking, consulting, equity research, corporate development, strategic planning, and private equity may wish to consider this course. The topics in this course include various transactions that restructure firm's operations with a focus on mergers and acquisitions. The objectives of the courses are to help students understand the importance of various managerial strategies in today's business world; to help students build a

framework to analyze corporate restructuring; to provide students with a set of quantitative and qualitative tools to assess the drivers and consequences of different types of corporate restructuring including equity carve-outs, spinoff, leverage and management buy-out, hostile takeovers and M & As; to provide insight into the successful and unsuccessful M&A processes from economic and financial perspective. *Credit: 3 semester hours.*

FIN 638 Fixed-Income Analytics

Prerequisite: FIN 607. This course focuses exclusively on fixed income analytics and markets. The traditional yield to maturity methodology for bond valuation first gave way to a spot rate methodology, then to a forward rate methodology, and most recently to an option-based methodology. This evolving valuation methodology has led to progressively better risk-management measures and assessment of the risks of fixed income securities containing embedded derivatives. *Credit: 3 semester hours.*

FIN 639 Introduction to Financial Technology.

Co-requisite: FIN 607 or equivalent course. This course is designed to explore the fundamentals of financial technology and help the understanding of the unprecedented wave of change in finance as it happens. This course begins with a broad overview of the FinTech related changes in the finance industry, including new players such as start-ups and technology firms that brings democratization, inclusion and disruption; companies that engage in social media, e-commerce, and telecommunications, and companies that explore large customer data pools, creative energies, and technical capacities. We then look at some of the areas in the FinTech industry, including P2P lending, equity crowdfunding, robo advising and other machine learning and textual analytics based financial service. In the second part of the course, we will look into the blockchain and cybersecurity. *Credit: 3 semester hours.*

FIN 643 International Corporate Finance

Prerequisite: FIN 607. This course covers international environment and operations of major corporations. The course also emphasizes the analysis and control of currency risk and exposure. *Credit: 3 semester hours.*

FIN 651 Bank Financial Management

Prerequisite: FIN 607. Major variables affecting financial management of commercial banks in both national and international settings. Consideration is given to bank operations, structure and earnings. Liquidity and financial risk analysis is also given special consideration. *Credit: 3 semester hours.*

FIN 654 Advanced Corporate Finance

Prerequisite: FIN 633. Students are expected to apply financial theories and skills acquired in

previous coursework in real-life cases. Instead of lecturing to students, the instructor will serve merely as a "facilitator" in class. Students are expected to commit additional efforts every week outside of class to analyze and discuss cases in study groups. *Credit: 3 semester hours.*

FIN 655 Financial Risk Management

Prerequisite: FIN 607. Topics include risk identification, risk measurement, risk monitoring and risk management/control. The primary objective is to expose students to primary areas of risk management and enable them to understand risk reports and data and their implications to the institution. *Credit: 3 semester hours.*

FIN 664 Financial Statistics and Alternative Investments

Prerequisite: FIN 634. This course deals with advanced topics in investment analysis and portfolio management. The course involves an in-depth examination of the tools of modern portfolio theory and investment analysis together with specific hands-on applications of these tools. *Credit: 3 semester hours.*

FIN 665 Portfolio Management

Prerequisite: FIN 607 and FIN 634 (or permission of program director). Portfolio management teaches students the task of creating a tailored portfolio for a client. As all clients are different, the process starts with understanding the clients' needs, desires, risk tolerance, and investment constraints, in order to set the parameter for the portfolio. Based on those parameters, a portfolio manager can then use his/her knowledge and expectations about different asset classes and securities to create a portfolio that best suits the client. Once the portfolio has been created, it has to be continuously monitored and periodically rebalanced, in order to make sure that it continues to suit the client. *Credit: 3 semester hours.*

FIN 668 Financial Derivatives

Prerequisite: FIN 607. This course focuses on derivative instruments including futures, forwards, swaps, options, exotic derivatives, and other derivative securities. Critical issues include pricing, daily revaluation, and hedging. This requires an in-depth understanding of the valuation models employed and the assumptions that underlie these models. The course also examines how derivatives are used by banks, corporations and investment firms to reduce financing costs, hedge price and credit risks, and to adjust return and risk profiles. *Credit: 3 semester hours.*

FIN 669 Financial Technology Analytics: Machine Learning Application

Prerequisites: FIN 639 or an equivalent course. This course covers the advanced knowledge in financial technology with a focus in the blockchain technology and its application in cryptocurrencies. We start with a comprehensive survey of the

cryptocurrency industry. Then we set the focus on technological standpoint with the basics of cryptography and economics, to establish a solid fundamental understanding of Bitcoin by building it from the bottom up. We then explore the myriad of ideas and technologies relating to blockchain technology. On the non-technical side, we start with the history of digital currency, then look at the laws, organizations, trends, and the related financial service industry behind it to build a complete picture of the ecosystem surrounding blockchain technology. *Credit: 3 semester hours.*

FIN 670 Real Estate Finance

Prerequisite: None. This course provides a critical foundation to the major concepts, principles, analytical methods and tools for evaluating real estate as an investment. The course provides an understanding of the nature of real estate markets and the role of real estate as an asset class. Students learn mathematical techniques used in finance, basic approaches to valuation and estimating cash flows. Mortgages, the role of leverage in real estate investing and types of lenders are also analyzed. The course addresses portfolio theory and the role of real estate in a mixed asset portfolio. *Credit: 3 semester hours.*

FIN 671 Real Estate Valuation, Feasibility, and Development

Prerequisite: None. This course analyzes of the major valuation models used to price, value, and analyze real estate assets. It covers the theory, principles and techniques for conducting valuation and feasibility studies of real property. The course emphasizes the importance of market analysis in the valuation and development process. It provides students with a thorough exploration of the concept of feasibility analysis and the techniques for market analysis. The importance of the development process in valuation will also be introduced. *Credit: 3 semester hours.*

FIN 672 Real Estate Capital Markets

Prerequisite: None. This course examines financial structures and capital markets available to real estate debt and equity investors and explores the ways those structures and markets influence broad investment strategies. Themes include: (a) risk-adjusted relative value as a pricing framework; (b) implications of the real estate cycle on asset choice, valuation, acceptable sustainable capital structure and risk; (c) arbitrage between the public and private real estate markets; (d) underlying risk construct of structured transactions both private and securitized; and (e) incentives inherent in deal and fund structures. This course aims to provide students with many of the building blocks required in real estate investment banking, securities analysis, and financial structuring. Debt capital markets will be the focus in the first half of the term, and equity capital markets will be the

focus in the second half of the term. *Credit: 3 semester hours.*

FIN 673 Real Estate Development

Prerequisite: None. This course provides students with a comprehensive understanding of the multidisciplinary field of real estate development. The course begins with an introduction to the basic roles and responsibilities of the real estate developer, then explores various issues specific to the development process, including market and site analysis; community planning; entitlements; the social, political, and environmental implications of real estate development; architecture and design; budgeting and financial analysis; construction; sales and marketing; and property and asset management. Various product types are studied, including land development, residential, multi-family, retail, office, hospitality, industrial, and mixed-use. *Credit: 3 semester hours.*

FIN 674 Investment Banking and Private Equity

Prerequisite: FIN 607. This course examines the business of investment banking and securities brokerage. These business activities include venture capital, mergers and acquisitions, underwriting, primarily dealership operations, money management, prime brokerage, proprietary trading, market making, financial engineering and financing. *Credit: 3 semester hours.*

FIN 684 Asset Management

Prerequisite: FIN 607. The course provides an opportunity for managing a live portfolio. This course examines issues involved in the management and investment strategies of an endowment. Students will initiate trading recommendations, supported by complete research reports and present to program investment committee for approval. Industry executives will participate in class presentations and discussions. *Credit: 3 semester hours.*

FIN 697 Internship in Finance

The finance internship seeks to provide students with the opportunity to develop a deeper understanding of the finance industry and the development of financial skills built upon previous program coursework in an actual work setting outside the classroom. The internship which exposes students to the practice of finance in an actual work setting is a one-term, part-time, credit-bearing internship position within a supervised work environment. *Credit: 1 semester hour*

FIN 698 Internship in Finance

The finance internship seeks to provide students with the opportunity to develop a deeper understanding of the finance industry and the development of financial skills built upon previous program coursework in an actual work setting outside the classroom. The internship which exposes students to the

practice of finance in an actual work setting is a one-term, part-time, credit-bearing internship position within a supervised work environment. *Credit: 1 semester hour*

FIN 699 Finance Internship

The finance internship seeks to provide students with the opportunity to develop a deeper understanding of the finance industry and the development of financial skills built upon previous program coursework in an actual work setting outside the classroom. The internship which exposes students to the practice of finance in an actual work setting is a one-term, part-time, credit-bearing internship position within a supervised work environment. Practical application of financial knowledge, practices and theories is emphasized. In addition to internship responsibilities a research project is required. This course may be taken only once. *Credit: 3 semester hours.*

Department of Law

Law (LAW)

Law 600 Law, Ethics and the Principled Path in Business

Prerequisite: None. This course prepares business leaders to use principles embedded in the law as tools for positive, strategic guidance. Through cases, simulations and active learning, students apply principles to make decisions in real life business situations. The goal of this course is to enable future leaders to apply these mission-critical principles to themselves and to the hard decisions they will face throughout their careers. *Credit: 3 semester hours.*

LAW 650 Government Regulation of Business

Prerequisite: None. A study of the relationship between governments and business. The course examines the goals of governments and the regulatory schemes they use to achieve these goals. It covers government regulation in the U.S. and globally, emphasizing securities markets, acquisitions, marketing, antitrust, labor and E-Commerce. *Credit: 3 semester hours.*

LAW 652 International Business Law and Negotiations

Prerequisite: None. Students gain real advantages over competitors by learning how to win business competition by combining international business law, negotiating skills and problem solving. Students gain competitive advantage by learning how to combine the critical legal principles of global enterprise with negotiating skills and problem solving. Students improve their cross border business negotiation skills through simulations involving international sales and marketing contracts, overseas capital investments, joint ventures, mergers and other international business arrangement, which require a core knowledge of international business law. *Credit: 3 semester hours.*

LAW 653 Commercial Law

Prerequisite: Law 600 or its equivalent. This course covers Property, Contracts and Commercial Law. This course is important for all students, but is crucial for accountants since it covers approximately 25% of one part of the CPA exam and Commercial Law (required for CPA licensure). *Credit: 3 semester hours.*

LAW 654 Human Resources Law

Prerequisite: None. This course covers employment law and labor law. It explains discrimination, harassment, privacy, benefits and hiring/termination policies, giving students this essential knowledge to become effective managers. International issues, problem solving and current trends are explored. *Credit: 3 semester hours.*

LAW 655 Real Estate Law

Prerequisite: Law 600. This course offers students an overview of the manner in which legal issues arise in the course of the selection, acquisition, development, financing, ownership, and management of real estate; the nature of those legal issues; and how they may best be identified and addressed. This course focuses on informing students about how a panoply of federal, state, and local laws impact, directly and indirectly, a variety of real estate transactions and issues, while also addressing the use of a wide variety of legal agreements to govern the particular relationships between the parties. *Credit: 3 semester hours.*

Department of Management, Entrepreneurship, Consulting and Operations

Management (MGT)

MGT 601 Managing for Global Success

Prerequisite: None. This course is designed to prepare competent, ethical, and global business leaders to effectively manage operations and human capital in contemporary organizations. *Credit: 3 semester hours.*

MGT 602 Project Management I

Prerequisite: None. The course is designed to support Project Management Institute (PMI) foundational standard by focusing on fundamentals for project management knowledge. The purpose of this course is to introduce students to the world of projects and real-life struggles and challenges associated with designing, implementing, and managing all facets of projects within an organization. The course delivers a practical exploration of proven project management techniques and strategies. With a strong emphasis on real-world application and implementation, the course is perfect for business students seeking an instructive leadership resource. The course will focus on managing common organizational, economic, interpersonal, and technical disruptions. It will broadly cover the

operational and conceptual issues faced by modern project managers. At the end of this course, students should be able to develop, execute, and control a basic project plan capable of supporting business objectives linked to measures of success. *Credit: 3 semester hours.*

MGT 603 Project Management II

Prerequisite: None. The course is designed to support Project Management Institute (PMI) standards through integration of project management theory with exposure to additional project management practices and approaches in a variety of organizational perspectives. In addition to exploring traditional techniques, this course presents agile, and extreme project management techniques; the course introduces the Enterprise Project Management model perspective with coverage of Kanban and Scrumban methodologies, all of which are in line with Project Management Institute's A Guide to the Project Management Body of Knowledge (PMBOK® Guide). The goal in this course is to support the development of a toolbox of strategies and best practices to effectively plan, execute, manage, control and conclude projects. *Credit: 3 semester hours.*

MGT 604 Global Value Chains

This course explores Global Value Chains, which comprise "the full range of activities that are required to bring a product from its conception, through its design, its sourced raw materials and intermediate inputs, its marketing, its distribution and its support to the final consumer." Case studies, journal articles, guest speakers, and group projects are used in the delivery of this graduate course. *Credit: 3 semester hours.*

MGT 605 Global Sustainable Sourcing

This course examines the concept of sustainability and the the value of sustainable sourcing. It focuses on global sustainable sourcing in the context of global value chains as it is practiced in the contemporary world of 21st century. It studies pertinent challenges and opportunities for economic growth. *Credit: 3 semester hours.*

MGT 607 Global Logistics

The course examines Global Logistics as a critical part of the supply chain from products point of origin to its point of consumption—to ensure trust and efficient distribution of goods from producers to consumers. This course is designed to present contemporary ideas on global logistics, managing expediting and delivery patterns, warehouse, transportation, and regulatory considerations. Case studies, group projects, guest industry professionals, and journal articles are used in the delivery of this course. *Credit: 3 semester hours.*

MGT 621 Decision Support Systems

Prerequisite: MGT 601. Students are taught conceptualization and model-building tools to enhance their management problem solving and decision making capability. *Credit: 3 semester hours.*

MGT 622 Theory and Applications of Management Information Systems

Prerequisite: MGT 601. Students learn how to utilize procedures and techniques essential for the design, measurement and evaluation of management information systems. *Credit: 3 semester hours.*

MGT 623 Management of Human Resources

Prerequisite: MGT 601. The course explores important contemporary issues and perspectives in the field of human resources management. Emphasis is given to work design, management of diversity, and core human resource management issues. *Credit: 3 semester hours.*

MGT 628 Operations Management and Management Systems

Prerequisite: MGT 601. An advanced course in the management of operations. Students learn how to use operations management systems to manage, analyze and evaluate the operations of an organization. *Credit: 3 semester hours.*

MGT 631 Leading Modern Organizations

Prerequisite: MGT 601. This course examines the theoretical underpinnings that determine effective leadership styles and their impact upon the business and the society at large. *Credit: 3 semester hours.*

MGT 632 Organizational Theory

Prerequisite: MGT 601. This course addresses major theoretical perspectives relevant to the development and management of organizations. Topics include organizational power and control, corporate governance, and interrelationships between organizations. *Credit: 3 semester hours.*

MGT 640 Seminar in Entrepreneurship

Prerequisite: MGT 601. Students learn how to plan, organize and implement a new venture. *Credit: 3 semester hours.*

MGT 645 Management of Creativity and Innovation

This course addresses the major theories and current trends in the study of the management of creativity and innovation in modern organizations. *Credit: 3 semester hours.*

MGT 650 Managing a Web-based Entrepreneurial Business

Prerequisite: MGT 601. In this course students learn how to manage a cyber-space entrepreneurial business. The course examines case studies of existing companies on the Web. *Credit: 3 semester hours.*

MGT 651 Creating an E-Commerce Business

Prerequisite: MGT 601. Students learn how to carry out the basic steps involved in developing an e-commerce venture, whether as an independent entity or in conjunction with an established business. *Credit: 3 semester hours.*

MGT 652 Seminar in International Management

Prerequisite: MGT 601. An advanced seminar course designed to identify and explore cross cultural issues and emerging trends of major significance relating to managing global organizations in both the for-profit and not-for-profit sectors, and cross-border transactions. *Credit: 3 semester hours.*

MGT 653 Managing for Sustainability

Global warming and other ecological problems are endangering the world's success on a macro-level. However, it is clear that individual businesses can foster sustainable practices by themselves and their stakeholders in ways that bolster the achievement of many of their strategic objectives. This course will cover the issues and opportunities that make global sustainability a business imperative. *Credit: 3 semester hours.*

MGT 654 Global Information Systems

Prerequisite: MGT 601. This course enables the students to develop and manage the integrated information system needed to manage multinational organizations. *Credit: 3 semester hours.*

MGT 655 Management Consulting

Prerequisite: MGT 601. This course studies the fundamentals of management consulting. Through the course, students will learn the overall management consulting process and develop the sensitivities and skills that will help them succeed as management consultants. The course is relevant to students who are interested in pursuing consulting careers or any student who wants to position themselves in an advisory role within any business field. *Credit: 3 semester hours.*

MGT 659 International Business Policy

Prerequisite: MGT 601. This course teaches students how to formulate, implement and control multinational business strategies in a global environment, taking into account social, regulatory, political and economic issues. *Credit: 3 semester hours.*

MGT 661 Compensation, Training and Development and Labor Relations

This course builds student understanding of key areas of human resource management in preparation for real world application. The focal topics are building compensation plans that support the firm's competitive position; understanding how training and development support the goal of improving employee performance and guiding employees through career stages. The course covers labor relations and employment law. *Credit: 3 semester hours.*

MGT 662 International Human Resource Management

This course is designed to provide a comprehensive and up-to-date introduction to the field of international human resource management. Emphasis will be on attempting to understand the interaction between people and cultures in multinational and global organizations, and effective management of human resource systems in cross-cultural, multicultural, and the global contexts. *Credit: 3 semester hours.*

MGT 663 Strategic and Risk Human Resource Management

The course examines the strategic aspects and the risk management of human resources (HR). *Credit: 3 semester hours.*

MGT 670 Contemporary Issues in Management

Prerequisite: MGT 601. An advanced seminar course designed to identify and explore contemporary forces of major significance in managing enterprises as they develop and compete within increasingly global and turbulent markets. *Credit: 3 semester hours.*

MGT 680 Organizational Development: Managing Change

Students learn skills necessary in improving the performance of individuals, groups and organizations in situations involving major change. *Credit: 3 semester hours.*

MGT 685 Managing and Staffing Virtual Organizations

Prerequisite: MGT 601. This course teaches students how to develop and effectively utilize human resources in a variety of contemporary international and global organizational forms and across cultures. *Credit: 3 semester hours.*

MGT 690 E-Commerce Impacts on Organizations

Prerequisite: MGT 601. The course provides a foundation for effectively developing and applying electronic commerce within an existing organization by utilizing techniques such as, among others, the training and development of its existing human resource force. *Credit: 3 semester hours.*

MGT 699 Management Internship

This internship program provides students with the opportunity to develop research and analytical skills in an actual work setting within a supervised work environment. Practical application of management tools and tactics are emphasized throughout as is the importance of ethics in the workplace. *Credit: 3 semester hours.*

MGT 700 Seminar in Business Strategy

The course concerns enterprise wide strategic management. In this course students learn how to develop business strategies, how to

implement these strategies through translating them into operational policies and action, and how to exercise strategic control. *Credit: 3 semester hours.*

MGT 925 Maintaining Matriculation

Master of Business Administration students not registered for courses during a semester must register for MGT 925 in order to maintain matriculation and return to the program for the remaining courses. *No Credit. Fee: \$100 per semester.*

Department of Marketing

Marketing (MKT)

MKT 600 Decisions in Marketing Management

This course focuses on formulating and implementing marketing management strategies and policies. The course provides a systemic framework for understanding marketing management and strategy in an ever-changing business environment. Course topics include marketing planning, scanning the environment, growth strategies, understanding and predicting behavior of consumers and competitors, the Internet as a strategic resource, global marketing and so forth. *Credit: 3 semester hours.*

MKT 601 Marketing Research Seminar

Prerequisite: MKT 600. Marketing research is treated as a tool utilized by management in exploration, examination and evaluation of marketing problems and opportunities and the role of marketing research in the firm's marketing information system (MIS). Topics covered include questionnaire design, attitude, measurement, sampling, and hypothesis testing. *Credit: 3 semester hours.*

MKT 603 Dynamics of Consumer Motivation and Behavior

Prerequisite: MKT 600. This course acquaints the student with the basic factors affecting the behavior of consumers—a key element of the business environment. The subject matter draws primarily upon contributions from economics, psychology and sociology. *Credit: 3 semester hours.*

MKT 604 Sustainable Marketing.

Prerequisite: None. The heightened importance of the concept of sustainability is generating much public discussion; thus, increasing the focus of sustainable practices on the firm's impacts and responsibilities and consumer choice processes. Growing and increased awareness of the significant environmental degradation decline of natural systems and resources along with community, national and global social inequalities have placed a focus on sustainable business practices. Sustainable marketing requires rethinking assumptions that underlie traditional marketing practices and embracing a holistic integrative approach

that puts equal emphasis on environmental, social equity and economic/financial concerns in the development of marketing strategies and tactics. *Credit: 3 semester hours.*

MKT 605 Luxury Retail Management

Prerequisites: MKT 600. This course examines the contemporary luxury retail landscape and the current trends that shape the sector, and further provides a comprehensive treatment of the macro- and microeconomic aspects of management, communication, distribution, logistics, and creation in the luxury industry. The luxury industry is unlike any other; it is an inspiring and a fascinating world that involves a diverse group of competitors. On the supply side, it includes a broad range of sectors from hotels to real estate, yachts to private jets, and fashion to jewelry. On the market side, luxury consumers are extremely demanding and sophisticated; luxury goods and services must not only be of exceptional quality but also provide a complex set of functional, social, and emotional benefits to consumers who are forever changing – they come from all over the world, they are young, and they are digital natives. *Credit: 3 semester hours.*

MKT 611: Data Driven Marketing

Prerequisites: MKT 600. Marketing has undergone a radical transformation over the past decade. This is driven by the massive amounts of data now available on consumers, and advanced analytics software capable of identifying trends and opportunities that managers need to address or lose out to their competitors. The objective of this course is that upon completion, all students in the course will be skilled in analysis and interpretation of advanced analytic techniques, including linear and logistic regression analysis, and segmentation analysis (using Hierarchical Cluster Analysis and K-Means Cluster Analysis). *Credit: 3 semester hours.*

MKT 612 Artificial Intelligence in Marketing

Prerequisites: MKT 600. This course examines the pillars that enable AI in marketing strategies - Algorithms, Networks, and Data - and gain a deeper understanding of how businesses in a wide variety of industries can get the most out of AI. You will see real world examples of successful companies like Tesla, Google, Apple, Toyota and Baidu using AI to gain over the competition. You will also hear from experts about how AI is shaping the present and the future in their respective industries. Artificial intelligence (AI) provides massive contributions to our everyday lives. By utilizing data analysis, machine learning, algorithm, and natural language processing, AI can influence the marketing industry by giving companies a competitive advantage as of now and the future to come. Currently, AI solutions are dominant in many user-facing interactions. For instance, AI-powered chat-bots influence online shopping experience by

personalizing the experience based on the customer's previous shopping data. Everyday uses of AI include automated customer support for customer queries and requests, and travel assistance wherein chat-bots provide users with travel recommendations, ticket booking, and landmarks recommendations. The growth of AI and its prospects for the marketing industry are immense. *Credit: 3 semester hours.*

MKT 613 Marketing Intelligence Implementation

In this HANDS-ON experiential learning course, we offer the students to understand the execution of the strategies learned in the program on real world problems. Specifically, students will be involved as a group in solving a company's marketing problem as it pertains to the program content. The students may come up with a plan to implement one of many of the Wheel of Fortune Strategies learned in the program using the new age technology tools like AI and focus on improving Engagement among the stakeholders. We will take the viewpoint of the general manager and senior marketing executive to address the issues of: personalization, customization, improving brand value, setting up referral program, creating a social media marketing campaign, creating a platform for encouraging, receiving, and processing of customer feedback, measuring customer lifetime value, creating customer and employee engagement to maximize ROI, hands on experience of working with customer acquisition models, hands on experience of working with customer retention models, hands on experience of working with customer churn models, and evaluating the implementation outcomes. *Credit: 3 semester hours.*

MKT 614 Brand and Customer Strategic Intelligence

In this course, we view marketing as a general management responsibility and the orientation of an organization and address the issue of how firms can be managed to keep winning in their markets by delivering a superior customer value proposition. Specifically, the course focuses on brand and customer level strategic intelligence with the goal of maximizing brand value as well as customer and firm profitability. We will take the viewpoint of the general manager and senior marketing executive to address the issues of: positioning the business to achieve a superior value proposition, understanding marketing capabilities and assets, identifying and pursuing organic growth opportunities, developing a data-driven customer management culture, linking customer loyalty to customer profitability, understanding, attracting, and keeping valuable customers, pitching the right product to the right customer at the right time, allocating resources across customers, businesses, segments and communication

channels, managing the multiple channel shopping behavior of customers, and social media and profitability engaging customers. *Credit: 3 semester hours.*

MKT 622: Direct Response Marketing

Prerequisites: MKT 600. The Direct Response Marketing course will prepare students in the execution of direct marketing programs, especially as it relates to methods for utilizing databases and targeting prospective customers. As part of the course, students will be required to develop direct marketing models and apply them to external data sets for validation. The course goes in-depth to describe the process of direct marketing campaign optimization (e.g. data preparation, variable transformations, scoring of customers, evaluation of program effectiveness, etc.). Students will apply these marketing tools to real world data and make recommendations about whom to target for a specific offer. *Credit: 3 semester hours.*

MKT 623 Contemporary Marketing Strategies

Prerequisites: MKT 600. The student is placed in the role of the principal marketing manager and decision-making skills are sharpened via the liberal use of business cases and computer simulation marketing games. *Credit: 3 semester hours.*

MKT 624 Global Brand Marketing

Prerequisites: MKT 600. This course is designed to provide a course of study in which students will secure an appreciation and understanding of the rapidly changing global brand and branding landscape, and how global brands are increasing being created all over the world. The challenge for players in the global marketplace is increasingly to develop and manage branded products and services, which enable them to better compete by introducing and building their brand offerings. *Credit: 3 semester hours.*

MKT 626 Global Marketing Management Seminar

Prerequisite: MKT 600. This course focuses on the growing importance of the international marketing operations of multinational firms. The student's perception of marketing management's domain is expanded from the domestic environment to the global market place. *Credit: 3 semester hours.*

MKT 635 Strategic Internet Marketing Analytics

Prerequisite: MKT 600. Digital marketing analytics is foundational to digital marketing because it is the language used to optimize and connect results across all digital marketing tactics (search, social media, email, display, video, etc.). An effective digital marketing analyst is a vital data translator for a business. Digital marketing analytics requires the cultivation of both technical and soft skills. This class will give you the right tools to stay relevant in an increasingly digital environment. It also offers the theoretical understanding

of Internet data necessary for you to adapt to the many changes in marketing, while also equipping you with the skills you will need to maximize the use of data to drive data-influenced actions that are aligned with the firm's objectives and strategy. *Credit: 3 semester hours.*

MKT 650 Service Design for Business Impact

Prerequisites: MKT 600. The design of delightful service experiences requires attention to the interactive moments between the company, its employees, its customers and other stakeholders. This course examines the opportunities and challenges at the intersection of service design thinking and the pursuit of business objectives. Topics include principles of human-centered design, service design research methods, co-creation of value with actors in complex service ecosystems, and value creation in service systems for multiple stakeholders. *Credit: 3 semester hours.*

MKT 699 Marketing Internship

This internship program provides students with the opportunity to develop research and analytical skills in an actual work setting within a supervised work environment. Practical application of marketing tools and tactics are emphasized throughout. *Credit: 3 semester hours.*

MKT 700 Marketing Seminar on Special Interest Topics

Prerequisite: MKT 600. A course designed to cover special topics of interest. Coursework includes research into specialized areas, class lectures, discussions, guest lecturers, field trips and written reports. *Credit: 3 semester hours.*

MKT 925 Maintaining Matriculation

Master of Business Administration students not registered for courses during a semester must register for MKT 925 in order to maintain matriculation and return to the program for the remaining courses. *No Credit. Fee: \$100 per semester.*

Greenberg School of Risk Management, Insurance and Actuarial Science

Actuarial Science (ACT)

ACT 600 Actuarial Economics

Prerequisite: Six-credit hours of college calculus. This course applies the analytical framework of risk and insurance economic, managerial economics, and financial economics to the risk-capital-value decisions facing the corporate risk manager. The focus of the course is on the understanding of concepts and their application in corporate risk management rather than the mathematical derivation of concepts. At the end of the course students understand the tools, methods and reasons to mitigate

and/or finance most, if not all, risks facing a corporation as a portfolio of risk. The course is aimed primarily at students with no or little exposure to corporate risk management. The course satisfies the Validation by Educational Experience (VEE) requirements of the Society of Actuaries. *Credit: 3 semester hours.*

ACT 601 Financial Mathematics I

Prerequisite: Six credit hours of college calculus and three credit hours of probability.

Upon completing this course, students are expected to be able to: (1) Understand and grasp different measures of interest, and convert one measure to another; (2) calculate present and accumulated value of streams of cash flows; (3) price and value certain financial instruments; (4) Understand the concepts of asset/liability management and construct investment portfolio to match or immunize the liability cash flows; and (5) Understand hedging and investment tools including options, futures, forwards, swaps and how they can be used to manage financial risk. *Credit: 3 semester hours.*

ACT 602 Financial Mathematics II

Prerequisite: ACT 601. This course, along with ACT 601, covers the fundamental concepts of financial mathematics, particularly theoretical basis of certain actuarial models and the applications of these models to insurance and other financial risks. *Credit: 3 semester hours.*

ACT 603 Actuarial Modeling I

Pre- or co-requisite: ACT 601. Upon completing this course, students are expected to be able to: (1) Master and apply various distributions common for actuarial modeling; (2) analyze aggregate losses; and (3) perform simulation of loss outcomes when analytical methods are not available or too expensive. *Credit: 3 semester hours.*

ACT 604 Actuarial Modeling II

Prerequisite: ACT 603. This course, along with ACT 603, introduces the fundamentals of actuarial modeling in both life and property/casualty businesses, particularly distributions, estimation methods and models commonly used in insurance analysis. *Credit: 3 semester hours.*

ACT 605 Life Contingency Mathematics I

Pre- or co-requisite: ACT 601. This course, along with ACT 606, covers the fundamental principles of life contingencies, particularly those related to pricing and reserving of various life insurance and annuity products. *Credit: 3 semester hours.*

ACT 606 Life Contingency Mathematics II

Prerequisite: ACT 605. This course, along with ACT 605, covers the fundamental principles of life contingencies, particularly those related to pricing and reserving of various life insurance and annuity products. *Credit: 3 semester hours.*

ACT 610 Mathematical Statistics

Prerequisites: None. This course enables the student to focus on the application of the basic concepts of random sampling and statistical inference with particular emphasis on: (a) various methods of estimation and the main properties of estimators derived; (b) the development and use of confidence intervals; (c) the techniques employed in hypothesis testing; and (d) regression analysis. This course satisfies the requirements established by the Society of Actuaries for a candidate to qualify (with a grade of B- or better) for the Validation by Educational Experience (VEE) credit in Mathematical Statistics. *Credit: 3 semester hours.*

ACT 611 Statistics for Risk Modelling.

Prerequisites: A thorough knowledge of calculus, probability and mathematical statistics as covered in ACT 610 (SOA VEE Mathematical Statistics, CAS Exam P) is assumed. Proficiency with Excel spreadsheets, including pivot tables and charting. This course provides an introduction to modern statistical methods and models for analyzing data with a focus on actuarial and predictive modeling applications. It is designed to help prepare students for the Society of Actuaries Statistics for Risk Modeling exam or the Casualty Actuarial Society Modern Actuarial Statistics exam. *Credit: 3 semester hours.*

ACT 615 Introduction to Long-Term Actuarial Modelling.

Prerequisites: A thorough knowledge of calculus, probability as covered in ACT 2332 (SOA Exam P) and mathematical statistics as covered in ACT 2333 (SOA VEE Mathematical Statistics) is assumed. This course, covers the fundamental principles of long-term actuarial modeling with applications to life contingencies, including the pricing and reserving of various life insurance and annuity products. *Credit: 3 semester hours.*

Enterprise Risk Management (ERM)

ERM 601 Foundations of Enterprise Risk Management

Prerequisite: None. This course covers the fundamentals of enterprise risk management (ERM). Specific topics include building critical thinking about risk dimensions (risk acumen), understanding the principles of managing an enterprise-wide set of risks, building the value proposition for how enterprise risk management creates value, knowing the keys to building an ERM framework and process, learning how ERM has become a globally accepted and practiced way of running an organization, and gaining an understanding of how companies identify risk, assess risk and try to manage it. This class usually includes a case that covers preparing an ERM consulting proposal to gain experience with risk consulting opportunities and the related thought process. *Credit: 3 semester hours.*

ERM 602 Operational Risk Management

Prerequisite: None. This course evaluates operational risk exposures relating to the organization's governance, management, operations, and information systems, in relation to: (a) operational risk governance (b) risk and control assessment (c) events and losses (d) key risk indicators and key control indicators (e) capital modeling. Based on the results of the risk assessment, the student will evaluate the adequacy and effectiveness of how risks are identified and managed and assess reporting, risk modeling, stress test, scenarios, business continuity, disaster recovery, insurance, internal audit, outsourcing risk, people risk, reputational risk, vendor risk, strategic risk, and communication of risk and control information within the organization to facilitate a good governance process. *Credit: 3 semester hours.*

ERM 603 Culture, Leadership, and Governance Risk

Prerequisite: ERM 601 or equivalent. This course covers how organizations know if enterprise risk management is working, how to understand macroeconomic risks and their impact on business models, the role of corporate governance and why boards are under pressure to improve ERM, the link between culture, value, and ERM, how companies assess risks using a variety of tools, how companies do a deep dive on major risks (including risk calculators, strategic bow-tie analysis, opportunity charts, strategic risk shock simulators), the importance of leadership and ethics in risky behavior, and the importance of managing risk caused by disruption as well as identifying and managing the risk in innovation. Potential additional topics (as time allows) include reputation risk, merger and acquisition risk, and social media risks. *Credit: 3 semester hours.*

ERM 606 Internships in Enterprise Risk Management I

Prerequisite: ERM 601/equivalent. This course provides students with the opportunity to develop enterprise risk management skills in an actual work setting outside the classroom. A journal of accomplishments, and employer evaluations are required. *Credit: 1 semester hour.*

ERM 607 Internships in Enterprise Risk Management II

Prerequisite: ERM 601/equivalent. This course provides students with the opportunity to develop enterprise risk management skills in an actual work setting outside the classroom. A journal of accomplishments, and employer evaluations are required. *Credit: 1 semester hour.*

ERM 608 Internships in Enterprise Risk Management III

Prerequisite: ERM 601/equivalent. This course provides students with the opportunity to develop enterprise risk management skills in

an actual work setting outside the classroom. A journal of accomplishments, and employer evaluations are required. *Credit: 1 semester hour.*

ERM 705 Strategic Risk Analysis and Tools

Prerequisite: ERM 601. This course is the capstone course in the M.S. in Enterprise Risk Management or the final ERM course for the MBA ERM option. Course topics include understanding the waves of disruption and risks that are impacting an organization, filtering those risks into their impact on the business model, knowledge of tools to understand and interpret strategic risk (black swan workshops, scenario analysis, and other tools), a review of strategy models, strategic tools, and value propositions, and a strategic risk analysis of a major organization. *Credit: 3 semester hours.*

Risk Management and Insurance (RMI)

RMI 601 Risk Management

Prerequisite: None. This course covers the fundamentals of economic and business risk. The course also addresses the institutional environment and regulations of managing risk, how organizations identify, assess and measure risk. Results in students able to explain if and how companies and society should manage risk. *Credit: 3 semester hours.*

RMI 602 Risk Research Methods

Prerequisite: None. Research tools and data sources for risk evaluation. Emphasis on computer-aided application. Results in students able to produce credible analysis reports on risk and its consequences and develops a knowledge of the required MS thesis format. Seating priority is for M.S. Actuarial Science and M.S. Risk Management and Insurance students. Other students wishing to take this course should contact their advisor. *Credit: 3 semester hours.*

RMI 607 Insurance Operations

Prerequisite: None. This course provides a review of key elements and processes of non life and health insurance company operations; examples include marketing and distribution, underwriting, premium auditing, actuarial operations, claims and claims adjusting, statutory accounting and regulatory compliance. The course results in students being able to explain key processes, functions and reporting activities of insurance firms. *Credit: 3 semester hours.*

RMI 609 Property and Liability (Re)-Insurance

Prerequisite: None. Underwriting, claims administration, financial reporting and ratemaking for insurable property and liability risks. Results in students able to structure (re) insurance programs to finance risk. *Credit: 3 semester hours.*

RMI 610 Life-Health Insurance and Employee Benefits

Prerequisite: None. Funding premature death, medical care costs, unexpected loss of income and retirement. Results in students able to identify, measure, and fund the consequences of personal risks. *Credit:* 3 semester hours.

RMI 611 Cases in Insurance

Prerequisite: None. This course includes practice-oriented readings, case analysis, topical discussions and related presentations by industry speakers. The course results in students able to connect concepts to the current and evolving practice of insurance, and in students understanding the nature of decisions insurance practitioners ordinarily have to make. *Credit:* 3 semester hours.

RMI 612 Applied Risk Research and Writing

Prerequisite: None. Students, monitored by the instructor, apply the analysis tools they have already acquired to complete a series of large sample empirical research projects of applied interest to the risk, insurance or banking industry. Students are responsible for all aspects of the research project including data collection, data analysis and the presentation of their results. At the end of the course students have a first-hand experience in resolving the practical issues involved in conducting large sample empirical research. *Credit:* 3 semester hours.

RMI 613 Graduate Risk Seminar

Prerequisite: None. Students collaborate to examine in detail and depth topical issues in risk and insurance. Results in students able to articulate the nuanced impact of the topics examined for the practice of risk management or the formulation of social policy. *Credit:* 3 semester hours.

RMI 614. Risk Funding Tools for Insurers

Prerequisite: None. This course focuses on derivatives, swaps, hybrid securities, indexed debt, contingent financing and reinsurance. The course results in students being able to finance and hedge pure financial risks faced by insurance firms singularly or jointly. *Credit:* 3 semester hours.

RMI 621 Risk Project

Prerequisite: None. Students apply their knowledge and skills to complete a project of practical use to the banking, risk or insurance industry. The project, however, requires the student to apply critical thinking skills and a systematic problem-solving approach within professional contexts. The requirements and scope of the project is less than the scope of a thesis. Requires permission of department. *Credit:* 3 semester hours.

RMI 622 Dimensions of Risk Leadership: Executive Perspectives

Prerequisite: None. This graduate seminar builds students' leadership skills as well as enhances their understanding of the

challenges that come with bringing forward a company in the area of risk management and insurance. The first part of the course consists of industry speakers presenting their case to the students. Invited speakers come from different business areas and bring with them extensive industry experience. The seminar has an open setting such that students are encouraged to ask questions and discuss with the speakers about their major challenges and most important decisions during their careers. The student learning experience is fostered by critically reflecting the lessons-learned in brief assignments. The second part of the course can be either case study-based or in the form of a classical lecture. The focus is on the decision-making processes of managers and how to better prepare them for future challenges in the insurance business. The aim is to enhance problem-solving and strategic leadership skills. *Credit:* 3 semester hours.

RMI 632 Successfully Treating Risk

Prerequisite: Last 12 credits in program. This course is the capstone for the MS Risk Management and Risk Analytics degree. The course builds on the knowledgebase students acquire throughout the degree program. Students apply what they have learned in an analysis of current issues confronting risk management professionals. The particular topic that each student addresses will be selected by the student and professor leading the course. *Credit:* 3 semester hours.

RMI 650 (Re) insurance Leadership in the Global Market and Society.

Prerequisite: Approval of instructor and Department. An interview may be required. The Department sets the maximum number of students for the class. Students in the RMI and AS majors are given priority, but the course is open to all Tobin students. This course provides students with experiential learning opportunities, including study abroad, that are reflective of the global insurance and reinsurance environment into which they will graduate. Throughout the in-class meeting and on-site visits, students are exposed to the senior level corporate structure, conduct and performance of leading companies. Students also develop analytical skills covering critical issues in the local and global market. *Credit:* 3 semester hours.

RMI 660 Finance for Actuarial Science

Prerequisite: None. (Note: this course can be inserted between RMI 605 and 607). Core concepts of the theory of corporate finance and asset pricing with applications of particular concern to actuaries. Students learn to appropriately modify and then apply these core concepts to insurance firms. At the end of the course, students are able to suggest practical improvements in the financial management of insurance firms. *Credit:* 3 semester hours.

RMI 661 Trading Risk in the Global Reinsurance Market

Prerequisite: None. Market-making operations and analytic structures of the global reinsurance market. While the course develops the concepts that underpin the reinsurance market, the emphasis is on how risk is traded in these markets in practice. *Credit:* 3 semester hours.

RMI 662 Introduction into Insurance Law

Prerequisite: None. Insurance contracts are the subject of a significant amount of regulations and litigation. Risk managers need to spot risk and mitigate risk through the purchase of insurance contracts and the enforcement of rights under the contracts purchased. Studying Insurance Law will also allow us to tackle some topical issues such as cyber security risks, the risks associated with climate change, and the risks associated with rogue actors. *Credit:* 3 semester hours.

RMI 688 Applications of Analytics and Technology to Risk Management.

Prerequisite: TBD. This course introduces students to the current and evolving role of analytics and technology in risk management and the insurance industry. It provides students with hands-on experience using different computer software to perform various analytic tasks that are common in the industry. It emphasizes practice and implementation by looking at how individual insurance companies use the various theories and methodologies taught. It investigates how emerging technology and new analytic techniques are transforming the design, pricing, and delivery of insurance solutions. *Credit:* 3 semester hours.

RMI 690 Operational and Financial Aspects of Insurer Operations.

Prerequisite: None. This asynchronous online course provides a graduate-level study of the insurer operations and financial performance analysis. Students are exposed to the key functional areas in insurance operations as well as to the foundation of accounting standards and key ratio analysis of insurance business operations. Students also develop an understanding of the state of key issues in the market. *Credit:* 3 semester hours.

RMI 699 Risk Management Internship

Prerequisite: None. This internship program provides students with the opportunity to develop research and analytical skills in the area of risk management within an actual work setting environment. Concepts already considered during coursework are expected to be applied and built upon to gain a deeper understanding of the industry of risk and insurance. *Credit:* 3 semester hours.

RMI 700 Risk Management and Risk Analytics

Capstone Seminar
Prerequisite: Student must complete at least 18 credits in either the M.S.R., M.R.A. or M.B.A.

Norean R. Sharpe, Ph.D., *Dean, Professor of Business Analytics and Information Systems*, B.A., Mount Holyoke College, M.S., University of North Carolina; Chapel Hill; Ph.D., University of Virginia.

Ivan Abel, *Associate Professor of Marketing*, B.E.E., City College of New York, The City University of New York; M.B.A.; Ph.D.; Baruch College, The City University of New York.

Vaibhav Anand, *Assistant Professor of Risk Management and Insurance, B.Tech., Indian Institute of Technology*; M.B.A., Indian Institute of Management; Ph.D., University of Wisconsin-Madison.

John Angelidis, *Chair and Professor of Management*, B.S., Georgia Institute of Technology, M.S., Ph.D., Georgia State University.

Mark Aquilio, *CPA, Professor of Accountancy*, B.S., J.D., Fordham University; LL.M., New York University.

Rachel Atkins, *Assistant Professor of Economics*, B.S., West Chester University; M.P.A., New York University; Ph.D., Milano School of Policy, Management, and Environment, The New School.

Shima Azizi, *Assistant Professor of Business Analytics and Information Systems*, B.S., University of Tabriz, Iran; M.S., University of Kurdistan, Iran; Ph.D., Worcester Polytechnic Institute.

Joan Ball, *Associate Professor of Marketing*, B.A., State University of New York, Albany, M.S., Nyack College, Ph.D., International School of Management.

Vipul K. Bansal, *Professor of Finance*, B.A., Jiwaju University; M.B.A., University of Delhi; Ph.D., University of Mississippi.

James Barrese, *Professor of Risk Management and Insurance, Robert F. Caroon Academic Chair*, B.S., Ph.D., Rutgers University.

Albert J. Beer, *F.C.A.S., M.A.A.A, Assistant Professor*, B.S., Manhattan College, M.A., University of Colorado.

Mikael C. Bergbrant, *Associate Professor of Finance*, B.S.; M.S.; M.B.A.; Ph.D., University of South Florida.

Jason P. Berkowitz, *Chair and Associate Professor of Finance*, B.B.A.; M.S., George Washington University; Ph.D., University of North Carolina.

Alexander Berman, *Assistant Professor of Management*, B.S., Cornell University, M.B.A., Boston University, Ph.D., Temple University.

Mark J. Browne, *Chair and Professor of Risk Management and Insurance*, B.S.E.; M.A.; Ph.D., University of Pennsylvania.

Alexander Buoye, *Associate Professor of Marketing*, B.B.A., M.A., Ph.D., University of Notre Dame.

William Ryall Carroll, *Associate Professor of Marketing*, B.A., University of Rochester, M.S., University of Texas at Arlington, Ph.D., Baruch College, The City University of New York.

David Y. Chan, *CPA, CIA, CFE, Associate Professor of Accountancy*, B.S., M.S., St. John's University, Ph.D., Rutgers University.

Chiang-Nan Chao, *Professor of Management*, B.A., Jilin University, China; M.B.A., Lamar University; Ph.D., Arizona State University.

Yeong C. Choi, *CPA, Professor of Accountancy*, B.A., M.A., M.S., Yeungnam University, Korea; M.S., University of Delaware; Ph.D., Drexel University.

Young Back Choi, *Professor of Economics*, B.A., State University of New York (SUNY) Old Westbury; M.A., Ph.D., University of Michigan.

Charles M. Clark, *Professor of Economics*, B.A., Fordham University; M.A., Ph.D., New School for Social Research.

John P. Clarke, *Chair and Visiting Professor of Law*, B.B.A., J.D., St. John's University.

Sylvia Clark, *Associate Professor of Marketing*, B.B.A., Baruch College, M.B.A., New York University; Ph.D., Baruch College, The City University of New York.

Patrick R. Colabella, *CPA, Associate Professor of Accountancy*, B.S., St. John's University; M.B.A., Pace University, Ed.D., St. John's University.

Timothy Coville, *CPA, Associate Professor of Accountancy*, B.S., State University of New York (SUNY) Albany, M.B.A., New York University, Ph.D., Rutgers University.

Gerald P. Cusack, *Associate Professor of Management*, B.A., M.B.A., St. John's University; M.A., New School for Social Research; Ph.D., New York University.

Andre De Souza, *Assistant Professor of Finance*, B.A., M.B.A., Gao University; Ph.D., New York University.

Natalie Dixon, *Visiting Faculty in Accountancy*, B.S., University of the West Indies; M.Acc., D.B.A. candidate, University of Scranton.

Nina T. Dorata, *CPA, Director of Undergraduate Business Major and Professor of Accountancy*, B.S., M.B.A., St. John's University, Ph.D., Rutgers University.

Reza Eftekhazadeh, *Associate Professor of Business Analytics and Information Systems*, B.A., Tehran, Iran; M.B.A., St. John's University; M.B.A., M.Phil., Ph.D., Baruch College, The City University of New York.

I. Hilmi Elifoglu, *CISA, CISM, Associate Professor of Accountancy*, B.S., Ankara University; M.B.A., University of Minnesota; M.S., Ph.D., New School for Social Research.

Robert B. Fireworker, *Professor of Business Analytics and Information Systems*, B.S., Brooklyn College, The City University of New York; M.S., Ph.D., New York University.

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Danielle Kruger, B.S., MS.Ed.
Director of Physician Assistant
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Teresa Miller, PT, Ph.D.
Director of Physical Therapy Program

Statement

The College of Pharmacy and Health Sciences commits to academic excellence, scholarship and service to humanity through the discovery and application of biomedical knowledge.

We facilitate and advance scholarship by offering innovative programs of study utilizing active learning approaches that are student centered, outcomes-oriented and that inspire lifelong learning.

As compassionate health care professionals and scientists, we serve humanity through our dedication to excellence in health care and biomedical research. Building on a commitment to cultural diversity and benefiting from our metropolitan location and strategic alliances with the leading health care institutions, we strive to serve as effective leaders, good citizens and moral and ethical individuals.

We commit ourselves to the discovery, communication and application of biomedical knowledge as a critical component for the development of health care professionals and scientists. Through innovative basic, social and clinical research initiatives, we contribute to scientific knowledge, address contemporary health care issues and seek solutions to health care problems.

Our mission embodies the principles of the University's mission statement: to provide a quality education in an environment that is Catholic, Vincentian and metropolitan.

Objectives

The Graduate Division of the College of Pharmacy and Health Sciences, in harmony with the mission of the University, prepares students for positions in industry, health care facilities, governmental agencies and education. The College provides an opportunity for students to develop and maintain scholarly growth in the pharmaceutical, industrial, biomedical and administrative sciences. In order to meet these objectives, the College offers programs at the master's level in pharmaceutical sciences, toxicology, public health, pharmacy administration, and physician assistant. Thesis and non-thesis options are available in all programs leading to the Master of Science degree except the specialty track in Biological and Pharmaceutical Biotechnology. Master of Science degrees in Pharmacotherapeutics and regulatory affairs/quality assurance (non-thesis only). In addition, an interdisciplinary professional science Master's program in Biological and Pharmaceutical Biotechnology is offered jointly with St. John's College of Arts and Sciences.

The College of Pharmacy and Health Sciences also offers a program of study in pharmaceutical sciences leading to the Doctor of Philosophy degree and Doctor of Physical Therapy.

Master of Science Degrees

Programs of Study

The programs leading to the Master of Science degree are designed to enable individuals to be skilled in the areas of pharmaceutical sciences, toxicology, basic and applied biomedical sciences and pharmacy administration. Graduates are prepared for positions in industry, research, education and health care settings. Master's students are equipped with the skills to interpret and critically review research and integrate theoretical knowledge to provide solutions to practical problems.

The Graduate Division of the College of Pharmacy and Health Sciences offers the following programs of study leading to the Master of Science degree:

Biological and Pharmaceutical Biotechnology

Pharmaceutical Sciences

Specialization in: Industrial Pharmacy;
Medicinal Chemistry; Pharmacology;
Pharmacotherapeutics

Pharmacy Administration

Specialization in: Pharmaceutical Marketing;
Regulatory Affairs/Quality Assurance

Physician Assistant Program

Toxicology

Entrance and Degree Requirements

Applicants with strong credentials in the sciences are considered for admission to the master's programs. All applicants to the master's programs (except for the Physician Assistant Program, please see specific program requirements in next section) must submit scores from the Graduate Record Examination, two letters of recommendation and a statement of goals in support of their application. Other specific requirements depend on the particular degree program chosen by the student. Graduate students who have certain deficiencies in their undergraduate curriculum may be required to enroll in graduate or undergraduate courses to remedy these deficiencies. These remedial courses provide no credit towards the master's degree. Students are notified of the specific requirements upon acceptance into the program.

Program Requirements

Pharmaceutical Sciences

Students who plan to undertake graduate work in the master's programs in pharmaceutical sciences must hold an appropriate baccalaureate degree with a major in pharmacy, or in one of the physical, chemical or biological sciences.

Pharmacy Administration

For graduate study in pharmacy administration applicants should possess a baccalaureate degree in pharmacy; however, those possessing a bachelor's degree in other areas are considered. The latter may be required to take certain undergraduate pharmacy administration courses in order to rectify any deficiencies.

Physician Assistant Studies

For graduate study in the Physician Assistant (PA) program, applicants must possess a baccalaureate degree from an accredited institution. Pre-requisite courses (must have been completed within five (5) years of admission into the program) include: General Biology with lab (2 semesters), General Chemistry with lab (2 semesters), Organic Chemistry with lab (2 semesters) (may substitute Biochemistry with or without lab for one Organic Chemistry course), Human Anatomy & Physiology with lab (2 semesters) (if Anatomy and Physiology courses are taken separately, Anatomy must have a lab component), Microbiology, Behavioral Sciences (6 credits), English Composition, and Calculus

(or higher level math) (may substitute the Calculus pre-requisite with a Pre-Calculus PLUS a Statistics course). Applicants who attended a post-secondary institution in which English was not the language of instruction must also take the TOEFL. The program does not accept Advanced Placement (AP) credit from the high school level.

Toxicology

Students who plan to undertake graduate work in the master's program in toxicology must hold an acceptable baccalaureate degree with a major in pharmacy or in one of the physical, chemical or biological sciences.

Double Master's Degree Program in Pharmaceutical Sciences and Library Science

Students with an appropriate bioscience background may apply for admission to the double master's program. The M.S. in pharmaceutical sciences is awarded with a specialization in pharmacology.

Degree Options

Two options are offered within most programs leading to the Master of Science degree. The thesis option requires 24 semester hours of coursework (exclusive of prerequisites) and a thesis project for which a minimum of six semester hours of research credit are required. The results of original laboratory investigation are reported in the form of a written dissertation that must be presented and defended at an oral examination. Students that are accepted under the thesis option are permitted to take more than 24 semester hours of coursework subject to approval. The non-thesis option requires additional coursework in lieu of the thesis (a minimum total of 33 semester hours of coursework, exclusive of prerequisites and a comprehensive exam). *Students are typically required to complete the degree program option (thesis or non-thesis) for which they have been accepted.*

Degree Requirements

Master of Science Programs (except physician assistant)

Residency*	One Year
Time Limit on Credit	Five Years
GRE Minimum Credit in Semester Hours:	Required 30 (24 Course work; 6 Thesis Research)
Thesis Option (Plan A)	
Minimum Credit in Semester Hours:	33 to 36
Non-Thesis Option (Plan B)	(Course work)

Comprehensive Examination

* *Residency for the Master's of Science degree requires completing a minimum of 12 credits over the first two consecutive semesters*

Double Master's Degree Program

Library Science	24 semester hours of credit
Pharmaceutical Sciences (Pharmacology)	21 semester hours
Exchange of credits applied toward the completion of both degrees	12 semester hours
Total	57 semester hours

Master of Public Health Degree

Program of Study

A 45-credit professional program leading to a Master of Public Health (MPH) degree is designed to provide graduate public health education centered in community issues and global issues. The MPH degree prepares graduates for diverse careers in positions such as program managers, community health educators, and program planners. Specializations in: community health or global health.

Entrance Requirements

Students interested in the Master of Public Health program must hold a baccalaureate degree and submit the appropriate documentation to be considered for admission including: official transcripts (minimum 3.0 grade point average on a 4.0 scale), two letters of recommendation, a current resume or curriculum vitae, official Graduate Record Examination scores, and a personal statement (up to 1,000 words) outlining interest in the field of public health, career goals, overview of any relevant public health experience, and reasons for pursuing an MPH degree at St. John's.

Degree Options

The Master of Public Health degree requires 45 credit hours of coursework including a culminating experience in which students submit a major written paper.

Degree Requirements

For graduate study in public health, students must complete a total of 45 credit hours to satisfy the degree requirements. All students complete 18-credit hours that cover the core discipline areas of public health (biostatistics, environmental health sciences, epidemiology,

health services administration, and social and behavioral sciences), 12 credit hours of concentration courses, 9 credit hours of methods and evaluation electives, a 3-credit hour fieldwork practice experience, and a 3-credit hour culminating experience. The MPH degree can be completed on a full-time basis in two years (including summer matriculation) or on a part-time basis in up to five years.

Master of Science in Physician Assistant Degree

Program of Study

Physician Assistants are nationally certified and state licensed medical professionals who practice medicine on healthcare teams with physicians and other providers to deliver competent, high-quality, patient-centered health care (American Academy of Physician Assistants). The Master of Science in Physician Assistant (PA) degree is an 84-credit professional program that prepares graduates to practice direct patient care in diverse medical specialties ranging from primary care, to urgent and emergency medicine as well as specialty surgical and medical practices. The graduate level curriculum is divided into four semesters of didactic instruction followed by 50 weeks of clinical rotations at affiliated hospitals, private offices and community clinics. These rotation sites offer training in many disciplines of medicine and opportunity for exposure to a wide variety of patient populations with special focus on the Vincentian mission of commitment to providing care to medically underserved populations. Technical standards, as distinguished from academic standards, refer to the minimum cognitive, professional and behavioral abilities required for a student to satisfactorily complete of all essential aspects of the curriculum. All students will be required to read and sign the technical standards document to indicate they understand these qualifications.

Entrance Requirements

Students interested in the Master of Science in Physician Assistant program must satisfy the following requirements:

- Completed Baccalaureate degree from an accredited institution
- A minimum overall GPA and cumulative math/science GPA of 3.0 (on a scale of 4.0)
- For applicants who have not attended high school or college in the United States or other English speaking country, the Test of English as a Foreign Language (TOEFL) examination is required with a minimum examination score of (paper-based – 550), (computer-based – 230) or (internet-based – 88). International applicants must provide notarized English translations of all

academic transcripts and any documentation pertaining to educational history.

- Successful completion of the following prerequisites at an accredited institution no more than 5 (five) years prior to application to the program with minimum 3.0 GPA:
 - General biology with lab – 2 semesters or 8 credits
 - General chemistry with lab – 2 semesters or 8 credits
 - Human Anatomy and Physiology 1 & 2 with one lab – 2 semesters
 - Microbiology – 1 semester
 - Organic chemistry with lab – 2 semesters (may substitute one semester of organic chemistry with biochemistry with or without lab)
 - Behavioral sciences – 6 credits
 - English composition – 1 semester
 - Calculus or above (may substitute Pre-Calculus PLUS a Statistics course) – 1 semester - All pre-requisite course final grades should be C or higher

Applicants must submit the appropriate documentation to be considered for admission including: official transcripts, three letters of recommendation from professionals (academic or occupational – one must be from a healthcare professional) and a personal statement (500 word minimum) describing why the applicant wishes to become a physician assistant. A personal interview is required. No advanced standing or credit for experiential learning will be considered. Relevant healthcare experience is strongly recommended.

Application

Applicants must apply to the program through the Centralized Application Service for Physician Assistants (CASPA) online at www.caspaonline.org (portal opens every April of the year prior to matriculation). The applicant will also be required to submit an application to St. John's University Office of Graduate Admission. Candidacy for the program will be based on review of the CASPA and St. John's applications. Admission to the program is competitive. The accreditation mandated total number of seats for each class is 75 students.

Academic Standing

Students are required to achieve a semester AND cumulative grade point average of 3.0, along with earning a minimum of B in each course, to remain in good academic standing and progress in the program. Students who receive one course grade of B- may be in jeopardy of lowering their GPA below a 3.0 however, may progress to the next semester if their GPA is at or above 3.0. Any student who receives two grades of B- in any graduate course or rotation is considered to have an academic deficiency but may progress in the program ONLY if their semester AND cumulative GPA is >3.0. If a student receives

two (2) grades below B in any graduate course or rotation and their semester GPA and/or cumulative GPA is below a 3.0, the student will be recommended for dismissal from the program. A student who earns a third grade below B in any graduate course or rotation, REGARDLESS of their GPA, will be recommended for program dismissal. Students who fail any graduate course or rotation with a grade less than B- (F) will not be permitted to re-take the course or rotation and will be recommended for dismissal from the program.

Additionally, students are required to pass a cumulative competency exam at the end of their second didactic year in order to progress to the clinical year.

Grading System

Grade	Points
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
F	0

Please note: all courses within the program are either co-requisites and/or pre-requisites for other courses. Therefore, if a student wishes to withdraw for any reason, they must do so from the entire semester and program.

Doctor in Physical Therapy Degree

Program of Study

St. John's University offers a graduate program leading to a Doctor of Physical Therapy (DPT) degree. Graduates are empowered to be compassionate, patient-centered, autonomous practitioners who prevent injury and promote health and wellness through optimizing movement. Graduates are competent, ethical leaders, patient advocates, and effective team members, capable of addressing diverse patient conditions and populations in a constantly changing local and global health care environment. The program utilizes a student-centered, active-learning, service-oriented approach to develop academic, professional, interpersonal, and evidence-based clinical reasoning skills. St. John's urban location provides experiential learning in world-renowned hospital systems and unique opportunities for students to work with diverse, underserved populations, and to interact with Division I sports teams.

The graduate level curriculum is 123 credits which begins in the summer and is divided into nine semesters of didactic courses (89 credits) and clinical education experiences (34 credits or weeks). The curriculum includes education in physical therapy practice across the continuum of care and lifespan with a diversity of patient conditions, populations, and settings (hospitals, nursing homes, schools, outpatient clinics, etc.). Minimal technical standards (minimum cognitive, professional, and behavioral abilities) required for enrollment in the program can be found on the DPT Program website <https://www.stjohns.edu/DPT>. All students will be required to read and sign the technical standards document to indicate they understand these qualifications.

Commission On Accreditation In Physical Therapy Education

Effective November 2, 2021, St. John's University Doctor of Physical Therapy program has been granted Candidate for Accreditation status by the Commission on Accreditation in Physical Therapy Education (CAPTE) (3030 Potomac Ave., Suite 100, Alexandria, Virginia 22305-3085; telephone (703) 706-3245; email: accreditation@apta.org). If needing to contact the Doctor of Physical Therapy Program at St. John's University, please call the Program Secretary, Elaine Krasnoff at (718) 990-7614 or email dptprogram@stjohns.edu.

Candidate for Accreditation is an accreditation status of affiliation with the Commission on Accreditation in Physical Therapy Education that indicates the program may matriculate students in technical/professional courses. Achievement of Candidate for Accreditation status does not assure that the program will be granted Initial Accreditation.

Graduation from a physical therapist education program accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE is necessary for eligibility to sit for the licensure examination, which is required in all states (see www.FSBPT.org).

CAPTE considers complaints about programs that are accredited, or are seeking accreditation by CAPTE, and complaints about CAPTE itself. CAPTE has a mechanism to consider formal complaints about physical therapy education programs (PT or PTA) that allege a program is not in compliance with one or more of CAPTE's Standards and Required Elements or has violated any of CAPTE's expectations related to academic integrity. Individuals wishing to provide written comments about a program undergoing review by CAPTE for the purpose

of initial or reaffirmation of accreditation may do so through the method described on the website. Written comments may be either positive or express concerns about physical therapy education programs seeking CAPTE accreditation.

Entrance Requirements

Students interested in being admitted to the Doctor of Physical Therapy Program must satisfy the following minimum requirements:

- Students must have attained a baccalaureate degree prior to the start of the program.
- Applicants must successfully complete all pre-requisite courses within 10 years of application submission.
- A minimum overall GPA and cumulative science GPA of 3.0 (on a scale of 4.0).
- Successful completion of the following prerequisites with minimum 3.0 GPA
 - General biology with lab—two semesters or eight credits
 - General chemistry with lab—two semesters or eight credits
 - General physics with lab—two semesters or eight credits
 - Human Anatomy and Physiology with one lab—two semesters or eight credits
 - Behavioral sciences (i.e., psychology or sociology)—two semesters or six credits
 - English composition—one semester or three credits
 - Statistics or above—one semester or three credits
- Foreign credit transcripts evaluation should be completed by a NACES member with US equivalency degree and GPA. St. John's students receive a discount from SpanTran.
- TOEFL/IELTS/Duolingo required for international applicants without a US degree conferral.
- Current certification in cardiopulmonary resuscitation
- Current certification in standard first aid
- Minimum of 100 hours of volunteer or work experience with a physical therapist
- Three letters of recommendation from professionals (academic and occupational); at least one of these references must be from a licensed physical therapist).

Application

Applicants must apply to the program through the Physical Therapy Application Service (PTCAS). A link to the application is provided on the DPT Program website <https://www.stjohns.edu/DPT>. Applicants who have submitted a complete application through PTCAS during the open admissions cycle, have met the minimum qualifications, and

who are considered competitive compared to other applicants will be invited for a virtual or in-person interview. Decisions on candidates to the program will consist of a complete review and process that includes consideration of all application requirement criteria and interview performance. The program can accept a maximum of 45 students for each admissions cycle. Please contact the Office of Graduate Admission for any additional information or questions at 718-990-1601; gradhelp@stjohns.edu.

Academic Standing

Students are required to achieve a semester AND cumulative grade point average of 3.0 along with earning a minimum of B in each course, to remain in good academic standing and progress in the program. Students who receive one course grade of B- may be in jeopardy of lowering their GPA below a 3.0 however, may progress to the next semester if their GPA is at or above 3.0. Any student who receives two grades of B- in any graduate course is considered to have an academic deficiency but may progress in the program ONLY if their semester AND cumulative GPA is >3.0. If a student receives two (2) grades below B in any graduate courses and their semester GPA and/or cumulative GPA is below a 3.0, the student will be recommended for review by the DPT Program Academic Standing and Progression Committee and will be referred to the dean with a recommendation for dismissal from the program. A student who earns a third grade below B in any graduate course, regardless of their GPA, will be recommended by the DPT Program Academic Standing and Progression Committee to the dean for program dismissal. Students who fail any graduate course with a grade less than B- (F) will not be permitted to re-take the course and will be recommended for dismissal from the program.

Students are required to receive a "Pass" Grade for all Clinical Education Courses. If a student receives an F for any clinical rotation they will be recommended for dismissal from the program.

Students are required to receive a "Pass" Grade for the Competency Exams administered at the end of year 1 and at the end of year 2. If a student receives an F for any competency exam, and they fail the retake examination, they will be reviewed by the DPT Program Academic Standing and Progression Committee and recommended for program dismissal to the Dean.

A DPT student may also be recommended to the Dean for dismissal from the DPT Program if the student:

- Does not meet or maintain compliance with DPT Program Minimum Technical Standards

- Does not exemplify APTA Professional Behaviors
- Fails to follow the APTA Core Values and/or APTA Code of Ethics
- Is caught cheating, plagiarizing, and any other unethical behaviors
- The student repeatedly engages in unsafe behaviors that put students, faculty, staff, or patients at risk.

Doctor of Philosophy Degree

The program in pharmaceutical sciences leading to the Doctor of Philosophy degree prepares graduates for leadership roles in meeting the evolving needs in pharmaceutical and biomedical education, research and industry. The Doctor of Philosophy degree program is offered with areas of specialization in:

- Industrial Pharmacy
- Pharmacology
- Toxicology
- Medicinal Chemistry

Entrance Requirements

An applicant seeking acceptance in the Doctor of Philosophy program must have completed an appropriate baccalaureate or master's degree program. This degree must be in the natural or physical sciences and may include degrees in the pharmaceutical sciences, toxicology, biology or chemistry. Other degree areas are considered on a case-by-case basis by the Admissions Committee.

- Basic minimum requirements for a student with an undergraduate degree include:
 - a) An undergraduate grade point average of 3.5 or better
 - b) Suitable Graduate Record Examination (General Exam) scores
 - c) Two letters of recommendation
- Basic minimum requirements for a student with a suitable master's degree include:
 - a) A graduate grade point average of 3.0 or better
 - b) Suitable Graduate Record Examination (General Exam) scores
 - c) Two letters of recommendation

Prior to registration, the student must receive written confirmation from the Office of Admission as to the approval of matriculation in the doctoral program. Post-M.S. courses completed prior to acceptance in the Ph.D. program may not be applied toward the Ph.D. degree requirements. The admissions committee may require that certain deficiencies be remedied during the first year of the Ph.D. program. Admission to the doctoral program does not imply advancement to candidacy for the degree. Additional requirements, including satisfactory

completion of the core curriculum, passing the comprehensive examination, passing the oral presentation of the research proposal and the establishment of the Ph.D. research committee must be fulfilled before a graduate student may be considered a candidate for a degree. The Ph.D. research committee is responsible for assisting the candidate in his/her research, but the primary responsibility for successfully completing the research and dissertation rests with the candidate.

Students must take PAS 265 Scientific Inquiry: Regulation and Ethical Challenges on a Pass/Fail basis. These credits do not apply toward degree.

Program of Study

The program of study consists of a minimum of 60 semester hours beyond the bachelor's degree. For those holding a Master's degree, a lower remaining credit load exclusive of prerequisites but inclusive of dissertation research may be granted. The letter of admission may state a maximum reduction to 30 semester hours remaining exclusive of prerequisites but inclusive of dissertation research. The coursework for each student consists of a core curriculum and a specialization curriculum that is determined in consultation with the faculty mentor.

Curriculum

Core Curriculum:	Credits
PHS 212 Applied Biopharmaceutical Chemistry	3 cr.
or	
IPP 241 Advanced Biopharmaceutics	3 cr.
PAS 252 Biostatistics	3 cr.
PHS 251 Seminar in the Pharmaceutical Sciences	0 cr.
PHS 252 Seminar in the Pharmaceutical Sciences	0 cr.
PHS 253 Seminar in the Pharmaceutical Sciences	0 cr.
PHS 254 Seminar in the Pharmaceutical Sciences	1 cr.
PHS 256 Pharmaceutical Analysis Laboratory	3 cr.
Total	10 cr.

All core requirements must be completed within the first two years of study. The specific curriculum for a specialization area will be determined in consultation with the doctoral student's faculty mentor.

Degree Requirements

Residency	24 credits or equivalent in a 24-month period (including summer)
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Time Limit on Credit	Seven years
Minimum Credit in Semester Hours	15 credits of coursework beyond the M.S. degree plus basic requirements in area of specialty subject to the Doctoral Committee; 45 credits of course work beyond the baccalaureate degree.
Comprehensive Examination	Required
Graduate Record Examination	Required
Dissertation Research	Minimum of 15 credits of Dissertation Research (PHS 950)

Thesis and Dissertation Research

All candidates for the Ph.D. degree must conduct an original laboratory investigation. The results are reported in the form of a written dissertation that must be presented and defended at an oral examination. All thesis and dissertation candidates must take the appropriate 900-level research course each semester from completion of comprehensive examination requirements up to and including the semester in which the thesis or dissertation is defended. All laboratory research must be conducted at the University, unless explicitly authorized by the Ph.D. or master's committee.

Examinations and Grading

Graduate degree requirements for all programs include a required number of course credits with satisfactory grades indicative of scholarship. All master's students must take and pass a comprehensive examination. However, master's students that are enrolled in the thesis option (Plan A) must satisfy the comprehensive examination requirement by completing a research project and submitting and orally defending the written thesis.* Ph.D. students are required to take and pass a comprehensive examination. Ph.D. students must also complete a research project and submit and successfully orally defend a written dissertation. Ph.D. students should consult the Doctoral Handbook of their degree for further details concerning degree requirements.

*M.S. students should consult further with program-specific policies such as the M.S. degree handbooks which may provide further details.

Academic Standing

Students in the graduate programs are required to receive at least a "B" grade in all courses. If a student receives a grade of less than a "B", or their G.P.A. falls below 3.0, the student's program will automatically become subject to review. Such a review may result in academic dismissal. Master's students who receive more than two grades less than "B" are typically considered for academic dismissal. Ph.D. students who receive more than one grade less than "B" are typically considered for academic dismissal. Ph.D. students should consult the Doctoral Handbook of their degree for further details concerning degree requirements.

Clinical Health Professions Course Offerings (CHP)

Tina Kanmaz, Pharm.D., Chair and Clinical Professor

Objectives

The Department of Clinical Health Professions (CHP) prepares students on the graduate level to become Physician Assistants and Physical Therapists. The department provides students with the opportunity to acquire the knowledge, develop the attitudes and master the skills needed to be competent and compassionate healthcare professionals. Students develop the professional attitudes, abilities and communication skills needed to apply foundational knowledge in the patient care environment through interactions with patients, physicians, nurses, pharmacists and many other members of the healthcare team during experiential training. Utilization of simulation laboratories and health care settings prepares the student to successfully manage the legal, administrative and clinical aspects of the healthcare environment. In addition, Physician Assistant and Doctor of Physical Therapy students will experience hands-on training at major metropolitan area medical centers, community hospitals and clinics, many of which provide care to under-resourced communities emphasizing the care of specific patient populations (e.g., pediatric, psychiatric, geriatric care).

Physician Assistant Course Offerings (PAE)

PAE 101 Introduction to the Physician Assistant Profession and Ethics

This course is designed to provide the Physician Assistant (PA) student with an introduction to the Physician Assistant profession and Behavioral Medicine. The course will include the history of the profession, role development, orientation to professional organizations and accrediting agencies, medical-legal aspects of dependent provider practice, and medical ethics. The student will gain knowledge in best practice approaches to patient care specific to physician assistant practice including communication techniques, patient management, patient education, and behavioral medicine skills. The students will be able to recognize and assess psychosocial dynamics and cultural diversity in healthcare including financial and healthcare delivery systems. Attention will be paid to biological, cultural, and psychosocial perspectives of behavior as related to patient presentation, medical care, and the scope of practice for the physician assistant. The students will gain knowledge to critically reflect on the role of the PA practitioner in general practice and behavioral medicine settings. *Credit: 3 semester hours.*

PAE 102 Current Topics in Physician Assistant Practice

This course is a seminar course for all students pursuing a degree in Master of Science in Physician Assistant. The discussion will expose the student to practicing physician assistant educators and physician assistant clinicians to current issues, ethical dilemmas, new developments in the field and professional issues related to clinical practice. *No credit.*

PAE 207 Medical Diagnostics

This course is designed to introduce the Physician Assistant (PA) student to various diagnostic imaging studies, clinical chemistry theory, and laboratory assessment. Teaching emphasis is placed on pathophysiology, patient presentations, indications for diagnostic testing, characteristics of specific procedures, interpretation of laboratory or imaging results, the techniques, advantages, disadvantages, benefits, and risks of various procedures, and treatments. This course will incorporate interdisciplinary instruction integrated from clinical medicine. Instruction is provided by faculty from varied areas of expertise and experience. Emphasis is placed on case-based clinical assessment, association of abnormal laboratory and imaging results with specific diseases, and the correlation of enzymes to body systems and organ dysfunction. This course serves to blend lecture-based education with

problem-based clinical experiences, patient factors and applications of best evidence to create competent, up-to-date healthcare professionals. *Credit: 2 semester hours.*

PAE 201 Clinical Medicine 1

Prerequisite: All prerequisite courses to the professional phase of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in immunology, dermatology, gastroenterology, and endocrinology. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Credit: 4 semester hours.*

PAE 202 Clinical Medicine 2

Prerequisite: All prerequisite courses to the professional phase of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in psychiatry, community medicine, ophthalmology, EENT, and pulmonology. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Credit: 4 semester hours.*

PAE 206 Comprehensive Health History and Physical Diagnosis

This course is designed to develop the cognitive, psychomotor and affective attributes in the PA student for identifying and describing normal human anatomy, recognizing normal vs. pathological clinical manifestations, obtaining a medical history, performing a screening physical examination and recording findings as medical-legal documents. Teaching emphasis will be a sequential method of instruction relevant to the structure and function of body systems, common pathophysiology and clinical manifestations and physical examination demonstration. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on communication skills, cultural sensitivity, professionalism and standardization of medical record

documentation. Students will demonstrate acquisition of skills during supervised hospital visits and practical examinations, and will begin to incorporate assessment and management plans into patient care. *Credit: 4 semester hours.*

PAE 203 Clinical Medicine 3

Prerequisite: All prerequisite courses and fall courses in the professional phase of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in neurology, cardiology, hematology-oncology, and GU/nephrology. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on electrocardiogram interpretation, case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Credit: 4 semester hours.*

PAE 204 Clinical Medicine 4

Prerequisite: All prerequisite courses and fall courses in the professional phase of the PA program. This course is designed to instruct the PA student in the areas of human health and disease in pediatrics, women's health, and geriatrics. Teaching emphasis will be a sequential method of instruction relevant to the epidemiology, etiology, pathophysiology, clinical manifestations, diagnosis, treatment, clinical pharmacological applications, complications and prognoses of selected disease states. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. Emphasis is placed on special procedures in diagnostic imaging, as well as promotion, prevention, maintenance, and protection of health and wellness of individuals and communities to include social and economic determinants of health and common medical problems that are frequently encountered in urban settings. Teaching will also utilize case-based clinical therapeutics and patient education regarding drug administration, potential adverse effects and drug interactions. *Credit: 4 semester hours.*

PAE 205 Clinical Medicine 5

This course is designed to provide the Physician Assistant (PA) student with an orientation to general surgery, orthopedics, rheumatology, and Infectious disease specific to the scope of practice for the physician assistant. Baseline knowledge will also focus on synthesizing instruction gained in clinical medicine health history and physical diagnosis (HHPD), anatomy and physiology, diagnostic imaging, pharmacological applications, and laboratory medicine to correlate presentation of surgical and orthopedic problems, illness,

disease, and normal variants. The student will learn to discern routine, urgent, and emergent injuries or illness from a surgical perspective and formulate surgical treatment plans including pre-operative, operative, and post-operative management and associated issues unique to the surgical patient. The laboratory sessions will include video demonstration and hands-on practical instruction of venipuncture, gastrointestinal (GI), instrumentation, genitourinary (GU) instrumentation, suturing, splinting and casting. *Credit: 4 semester hours.*

PAE 208 Emergency Medicine

Prerequisite: All prerequisite courses and fall courses in the professional phase of the PA program. This course is designed to instruct the PA student in the emergency department approach to medical care, including triage techniques, prioritization and consultation relevant to a variety of patient conditions. The student will incorporate knowledge of the epidemiology, etiology, pathophysiology, clinical manifestations, diagnostics and management of disease states to treat focused emergency problems. Emphasis will be placed on recognizing and treating conditions that are potentially life-threatening requiring urgent or emergent intervention inclusive of emergency techniques. This course will incorporate interdisciplinary instruction utilizing faculty from varied areas of expertise and experience. *Credit: 2 semester hours.*

PAE 305 Emergency Medicine Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a hospital or urgent care ambulatory setting. The student will be introduced to the triage system to learn and develop the skills necessary to perform the primary survey and stabilization of patients in the acute setting. The student will perform focused history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for adult and pediatric patients with urgent or emergent conditions, as well as provide ambulatory or "fast-track" care. This includes diagnostic testing, medications and non-pharmacological treatment interventions. The student will also demonstrate and perform practical medical-surgical procedures including CPR and BCLS skills. The student will recognize the need for consultation and referral in provision of cost-effective urgent and emergent care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance, with an emphasis on health literacy issues. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 306 Women's Health Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a hospital inpatient or ambulatory setting, which may include

outpatient, emergency room, or office-based clinical duties of gynecological or obstetrical patients. The student will perform comprehensive history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with gynecological and obstetrical conditions. This will include diagnostic testing, medications and nonpharmacological treatment interventions, including recognizing the need for consultation and referral. Experiential learning will include provision of cost-effective adult medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. The student will provide patient education with an emphasis on health literacy issues. The student may have the opportunity to participate in surgical gynecological or obstetrical procedures. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 308 Orthopedic Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a hospital, ambulatory or office based orthopedic setting. The student will perform comprehensive history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for acute and chronic problems in orthopedic patients across all age groups. This rotation may include surgical management including pre-operative, intra-operative, and postoperative orthopedic care. Students will order diagnostic tests and medications and recommend non-pharmacological treatment interventions for the orthopedic patient. The student will demonstrate and perform practical splinting, casting, and surgical procedures and skills. The student will recognize the need for consultation and referral in provision of cost-effective orthopedic care, including acute and chronic disease management, health promotion and safety, disease prevention and routine healthcare maintenance. The student will provide patient education with an emphasis on cast/ immobilization techniques, safety and health literacy issues. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 309 Pediatrics Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a hospital or office based pediatric setting. The student will perform comprehensive history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for pediatric patients with acute and chronic pediatric problems and well child visits and school/camp exams. This will include diagnostic testing, medications and nonpharmacological treatment interventions. The student will recognize the need for consultation and referral in provision of cost effective infant, pediatric, and adolescent

medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. The student will provide patient education with an emphasis on growth and development and health literacy issues. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 302 Primary Care 1 Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in an ambulatory or outpatient hospital or office-based primary care medical setting. The student will perform comprehensive history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with acute and chronic medical problems, including diagnostic tests, medications and non-pharmacological treatment interventions. The student will recognize the need for consultation and referral, transfer to an emergency or acute care setting in provision of cost-effective medical care, including acute and chronic disease management, health promotion, and patient education. The student will provide patient education, disease prevention and routine healthcare maintenance across all age groups with an emphasis on health literacy issues. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 310 Elective Clinical Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a specialty of the student's choice that may take place in a hospital or office based setting. Elective rotations include but are not limited to the following: cardiology, gastroenterology, infectious disease, psychiatry, pulmonology, hematology-oncology, critical care, dermatology, occupational medicine, gay and lesbian health, and the physically and mentally challenged. The student will perform comprehensive or focused history and physical exams, generate differential diagnoses and develop treatment plans for patients with acute and chronic problems. This will include diagnostic tests, medications and non-pharmacological treatment interventions. The student will become familiar with the need and role of consultation and referral of patients, transfer to an emergency or acute care setting in the clinical setting through provision of cost-effective care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. The student will provide patient education with an emphasis on health literacy issues across all age groups as applicable to clinical site. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 304 Surgery Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a hospital inpatient setting, which may include outpatient or office based clinical duties. Student responsibilities include: performance of history and physical exams, formulation of differential diagnoses, therapeutic treatment plans across all age groups for patients with surgical problems, including pre-operative, intra-operative, and post-operative care. The clinical experience will also include ordering of diagnostic tests, medications and non-pharmacological treatment interventions and performance of diagnostic laboratory tests, and participation in surgical procedures (operating room). Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 307 Geriatrics/Long Term Care Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a hospital or office-based geriatric setting. The student will perform comprehensive and focused history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for adult and geriatric patients with medical or surgical conditions. This includes diagnostic tests, medications and non-pharmacological treatment interventions, while under the supervision of the preceptor. The student will recognize the need for consultation and referral, in provision of cost-effective geriatric care, including acute and chronic disease management, health promotion, health maintenance and disease prevention. The student will provide patient education with an emphasis on health literacy issues. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 303 Primary Care 2 Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation that continues the educational and experiential learning of the Primary Care 1 course in an ambulatory or outpatient hospital or office-based primary care medical setting for an additional five-week rotation. The student will perform comprehensive history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with acute and chronic medical problems. This will include diagnostic tests, medications and non-pharmacological treatment interventions. The student will recognize the need for consultation and referral, transfer to an emergency or acute care setting in provision of cost-effective medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. The student will provide patient education, disease prevention and routine

healthcare maintenance across all age groups with an emphasis on health literacy issues. Rotation, 200 hour; *Credit: 3 semester hours.*

PAE 301 Internal Medicine Rotation

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This course is a five-week rotation in a hospital or office-based internal medicine setting. The student will perform comprehensive history and physical exams, generate differential diagnoses and develop therapeutic treatment plans for patients with acute and chronic medical problems. The clinical experience will include diagnostic testing, medications and non-pharmacological treatment interventions including patient education with an emphasis on health literacy issues across all age groups. The student will learn to recognize the need for consultation and referral in provision of cost-effective adult medical care, including acute and chronic disease management, health promotion, disease prevention and routine healthcare maintenance. Rotation, 200 hours; *Credit: 3 semester hours.*

PAE 311 Senior Competencies Component

Prerequisites: All required didactic year classes and successful completion of comprehensive examinations. This is a course is designed to supplement the clinical experience of the Physician Assistant student with appropriate learning sessions on callback days. While on clinical rotations, students will be performing comprehensive or focused history and physical examinations, generating differential diagnoses, ordering and interpreting laboratory and imaging studies and developing treatment plans for patients with acute and chronic problems under the supervision of the preceptor. Emphasis is placed on cost effective care, disease management and health promotion, disease prevention and routine healthcare maintenance. The student will gain and apply knowledge regarding epidemiology, risk factors, etiology, pathophysiology, clinical manifestations and the clinical assessment of medical and surgical diseases. Learning sessions on call back days are designed to augment student's knowledge and further develop and perfect their history taking, physical examination and procedural skills. Lecture. *No credit.*

Physical Therapy Course Offerings (PTR)

PTR 100 Gross Anatomy for the Physical Therapist

Examines the structural and functional anatomy of the human musculoskeletal system through lecture and lab. Develops understanding of fundamental facts and principles that apply to

professional practice through lecture, digital dissection, observation, manual palpation, and clinical correlation. *Credit: 5 semester hours.*

PTR 101 Applied Exercise Physiology for Wellness and Health Promotion

Integrates principles and practices of applied physiology, health promotion, wellness and adult fitness. Emphasizes the role of the physical therapist in promoting healthy lifestyle changes to meet the recommended guidelines for achieving and maintaining optimal physical fitness and health. *Credit: 3 semester hours.*

PTR 102 Psychosocial Aspects of Physical Therapy

Includes effective communication, psychosocial issues, conflict management, stress management, assertiveness, and introduction to communicating with clients who speak other languages. Addresses the patient and family in the health care system, including sexuality, impact of disability, grief processes, death and dying, and selected counseling techniques *Credit: 1 semester hour.*

PTR 103 Research and Critical Inquiry

Introduces concepts and principles of the research process including question, theory and hypothesis development, research design and methodology, and statistical reasoning and analysis. Discusses the basis of critical review of professional literature and determination of the relevance and applicability of research findings to specific patients with the goal of promoting evidence-based practice. *Credit: 2 semester hours.*

PTR 104 Functional Neuroanatomy for the Physical Therapist

Complex relationships between structure and function of the nervous system will be discussed with the purpose of providing insight into the physical therapy treatment of common neurological diagnoses. *Credit: 4 semester hours.*

PTR 201 Clinical Imaging

Provides an overview of the fundamentals of diagnostic imaging and the role of imaging in the management of patients/clients receiving physical therapy services. *Credit: 1 semester hour.*

PTR 202 Pharmacological Considerations for Physical Therapy Practice

This course provides students with an overview of human pharmacotherapeutics and the impact on physical therapy practice. It will focus on the pharmacological management of common disease states and diagnoses that affect physical function. Students will explore the clinical applications, adverse reactions and interactions between pharmacological management, and physical therapy interventions. *Credit: 2 semester hours.*

PTR 203 Administration and Management of Physical Therapy Practice

This course provides the student with a broad information base essential to successful administration and management of physical therapy practice. Effective management of organizations, programs, resources and people will be discussed. The student's understanding of the U.S. healthcare system will also be enhanced. *Credit: 2 semester hours.*

Physical Therapy Course Offerings (DPT)

DPT 100 Introduction to Physical Therapy

Serves as an introduction to the physical therapy profession and includes the history and scope of physical therapy practice. Introduces basic medical terminology and documentation of physical therapy services. Familiarizes the learner to frameworks for the management of the patient/client. *Credit: 1 semester hour.*

DPT 102 Kinesiology

Introduces the student to the kinematics and kinetics of human movement. Emphasis is placed on osteokinematics, arthrokinematics and the structures that limit and/or guide movement. The student will gain basic palpation skills. *Credit: 4 semester hours.*

DPT 105 Patient Care Skills

Prepares the student for patient care activities including communication, assessing vital signs, body mechanics, patient positioning and draping, transfers, gait training and mobility management of patient with lines, leads and tubes. This course is designed to also prepare the student for patient care activities including infection control, patient safety and emergency management, wheelchair and equipment management and durable medical equipment prescription. *Credit: 2 semester hours.*

DPT 108 Professional Seminar I

The first of three courses, introduces components for professional identify formation including the professional socialization process, professional values, and professionalism. Discusses values, ethics and morals within the practice of physical therapy. Describes behaviors of personal leadership development including emotional intelligence, ethical behavior and sustaining life-long learning. Additionally, professional codes and guides of behavior are emphasized in relation to the delivery of competent, ethical, legal, and compassionate care. Reviews examples of a physical therapist student's clinical and behavioral performance evaluations. *Credit: 2 semester hours.*

DPT 109 Motor Control and Motor Learning

Applies theories, principles and current evidence to the student's understanding of the movement system and motor control, and concepts related to motor learning such as skill acquisition, performance, practice, feedback, memory, attention, imagery, transfer and retention of learning, development and refinement of postural and movement control, cognition, sensation, and perception. Impact of individual differences on movement and skill acquisition will be explored. *Credit: 2 semester hours.*

DPT 110 Patient Assessment

Introduces the student to clinical measurement theory, basic examination techniques including sensation testing, girth/volume measurements, pain assessment, goniometry, manual muscle testing, and muscle length testing. Each of these examination procedures is taught in the context of reviewing and acknowledging the existing evidence as it relates to reliability and validity of examination techniques. The systems review, principles of history taking/patient interviewing, and a mock chart review are also addressed. This course incorporates simulated clinical experiences utilizing model patients. Additionally, several professional "across-content" skills are emphasized, including communication, reflection, critical thinking, and feedback. *Credit: 3 semester hours.*

DPT 111 Cardiopulmonary Physical Therapy

Applies principles of pathophysiology of the cardiovascular and pulmonary systems. Includes physical therapy assessment and treatment of patients with cardiovascular and pulmonary disorders. *Credit: 4 semester hours.*

DPT 115 Therapeutic Exercise

Introduces the principles and foundational concepts of therapeutic exercise within physical therapy. Clinical applications of therapeutic exercises are discussed using the International Classification of Function, Disability and Health (ICF) framework as a guide to enhance the student learners' ability to assess appropriateness of intervention selections within patient/client management. Specific therapeutic exercises include but are not limited to the application of range of motion, stretching, resistance, aerobic, aquatic, and balance activities as appropriate within the Patient/Client Management Model. *Credit: 3 semester hours.*

DPT 116 Learning Theories for Clinical Practice

Includes applying teaching and learning theory, philosophical orientation, domains of learning, and learning style to clinical, professional and academic settings in order to

effectively educate various audiences. *Credit: 2 semester hours.*

DPT 118 Neurologic Physical Therapy I

The first of a two- course sequence, emphasis is on the physical therapy management of patients/clients with specific neurological diagnoses. Students will have the opportunity to apply and expand upon their foundation of examination, evaluation and treatment of patients/clients with movement dysfunction from neurological diagnoses and diagnostic groups including but not limited to spinal cord injury, traumatic brain injury, multiple sclerosis, Parkinson disease and vestibular dysfunction. Emphasis will be on how the pathophysiology and nature of the diagnosis (acute vs chronic, stable vs. progressive) impacts physical therapy management. Clinical reasoning and decision-making frameworks for commonly seen neurologic diagnosis will be emphasized. Generalizability of these frameworks to other neurologic conditions will be explored. Students will investigate evidence-based outcomes designed for specific neurologic diagnoses. *Credit: 3 semester hours.*

DPT 200 Pain Neuroscience

The student will expand knowledge of the biopsychosocial model, basic science and evidence-based treatment approaches for pain management. The student will gain a better understanding of the importance of the therapeutic alliance and effective patient/client education to optimize pain management. *Credit: 2 semester hours.*

DPT 201 Clinical Reasoning and Decision Making I

First within a four-course sequence, this course introduces students to clinical reasoning theories, concepts, and frameworks that inform decisions in physical therapy clinical practice. The course is designed to prepare students with a foundation in clinical reasoning before their first clinical education experience occurring within the same semester. Emphasis is placed on introducing strategies that support deliberate practices in reflection and metacognition. Students will utilize clinical reasoning frameworks as a tool for organizing and understanding clinical information in a meaningful way to inform clinical judgment. The course content will be facilitated through small and large group discussions, interactions within online discussion boards or other online platforms. *Credit: 1 semester hour.*

DPT 203 Therapeutic Agents

Examines the theoretical basis and application of thermal, mechanical and electromagnetic agents. Emphasizes the physical and physiological effects, indications and contraindications for a variety of therapeutic agents. Analyzes current evidence and

the role of therapeutic agents as part of a comprehensive physical therapy plan of care. *Credit: 2 semester hours.*

DPT 204 Lifespan Physical Therapy I

This course will take a life course perspective from the prenatal period through age 21. The course explores typical and atypical motor, psychosocial, neurological and musculoskeletal development from the prenatal period through age 21, with an emphasis on functional movement, activity and participation. Additional factors contributing to the developmental process that will be considered include cognitive, behavioral, sensory, personal and environmental. Motor control and motor learning theories and their application to practice will be reviewed. The association between developing body systems and various health conditions will be presented. Students will learn clinical reasoning processes including examination, evaluation, and physical therapy management of common conditions referred to physical therapists from infancy through age 21 will be emphasized. *Credit: 2 semester hours.*

DPT 205 Lifespan Physical Therapy II

This course explores typical and pathological changes in physiology, body structure/function, activity/participation and impact of personal and environmental factors across the lifespan from young adult through older age. Movement system changes considered will include the six physiological systems: nervous, cardiovascular, pulmonary, integumentary, musculoskeletal, and endocrine. Additional factors to be considered include communication, psychosocial, cognitive, sensory and perception, environmental and personal factors that impact activity, and participation. The course highlights the physical therapist's role as part of the healthcare team for optimizing physical activity and exercise, promotion of maximal function, and support of palliative care. Clinical reasoning processes including examination, evaluation and physical therapy management of common conditions encountered across a continuum from young adults through older ages will be emphasized. *Credit: 2 semester hours.*

DPT 206 Prosthetics and Orthotics

Provides students with the foundational knowledge to evaluate and treat patients/clients requiring prosthetics and/or orthotics across the lifespan. The course will provide students with a basic understanding of types of spinal orthotics, lower extremity orthotics and prosthetics, prescription, fit, gait analysis and physical therapy management. Upper extremity orthotics and prosthetics will be briefly reviewed. *Credit: 2 semester hours.*

DPT 207 Neurologic Physical Therapy II

The second of a two- course sequence, emphasis is on the physical therapy

management of patients/clients with specific neurological diagnoses. Students will have the opportunity to apply and expand upon their foundation of examination, evaluation and treatment of patients/clients with movement dysfunction from neurological diagnoses and diagnostic groups including but not limited to spinal cord injury, traumatic brain injury, multiple sclerosis, Parkinson disease and vestibular dysfunction. Emphasis will be on how the pathophysiology and nature of the diagnosis (acute vs chronic, stable vs. progressive) impacts physical therapy management. Clinical reasoning and decision-making frameworks for commonly seen neurologic diagnoses will be emphasized. Generalizability of these frameworks to other neurologic conditions will be explored. Students will investigate evidence-based outcomes designed for specific neurologic diagnoses. *Credit: 4 semester hours.*

DPT 210 Complementary and Integrative Therapies

This course will explore the theoretical foundations, evidence and applications of complementary and integrative therapies. Application of some of the more common complementary and integrative medicine methods to physical therapy practice will be discussed. The course will include experiential and case-based components that include mind body medicine, touch, movement, and energy-based therapies and the integration of these methods into evidence-based physical therapy practice. *Credit: 1 semester hour.*

DPT 211 Clinical Reasoning and Decision Making II

Second within a four-course sequence, this course emphasizes the application of clinical reasoning frameworks that inform decisions in physical therapy clinical practice. This course is designed to progress clinical reasoning through simple cases by integrating newly acquired knowledge from clinical management coursework completed in year two. Emphasis is placed on clinical reasoning utilizing a hypothetical deductive reasoning process. Students will utilize clinical reasoning frameworks as a tool for organizing and understanding clinical information in a meaningful way to inform clinical judgment. The course content will be facilitated through small and large group discussions, case simulations, interactions within online discussion boards or other online platforms. *Credit: 1 semester hour.*

DPT 212 Clinical Reasoning and Decision Making III

Third within a four-course sequence, this course emphasizes the application of clinical reasoning frameworks that inform decisions in physical therapy clinical practice. This course is designed to progress clinical reasoning by increasing the complexity of patient cases

to include moral and situational reasoning. Emphasis is placed on clinical reasoning utilizing a hypothetical deductive reasoning process. Students will utilize clinical reasoning frameworks as a tool for organizing and understanding clinical information in a meaningful way to inform clinical judgment. The course content will be facilitated through small and large group discussions, case simulations, interactions within online discussion boards or other online platforms. *Credit: 1 semester hour.*

DPT 213 Clinical Reasoning and Decision Making IV

Last within a four-course sequence, this course emphasizes the application of clinical reasoning frameworks that inform decisions in physical therapy clinical practice. Concurrent with the Clinical Education IV course, this course is designed to progress clinical reasoning within patient scenarios occurring in the clinical education practice setting. Emphasis is placed on synthesis of students' conceptualization of clinical schemas and pattern recognition to minimize biases/ errors in clinical judgments and practice. Students will have opportunities to reflect, discuss, and consolidate ideas from the clinical reasoning coursework and clinical experiences with the community of their peers and academic faculty. The course content will be facilitated through small and large group discussions and synchronous and/ or asynchronous interactions within online discussion boards or other online platforms. *Credit: 2 semester hours.*

DPT 214 Professional Seminar II

The second of three courses, students are introduced to the role of physical therapy as part of an interdisciplinary team. Learners begin interpersonal and group/organizational leadership development by reinforcing interprofessional and intra-professional communication, collaborative care, developing teams, leading and managing projects, conflict resolution and reflective practice concepts. Combines the theory and context of interprofessional education and collaborative practice from a global policy viewpoint. *Credit: 1 semester hour.*

DPT 215 Community Wellness and Health Promotion

Allows the learner to begin community leadership development by recognizing the physical therapist's role in promoting health and wellness of the community. The learner will design a community- based health project to address St. John's vision for addressing issues of poverty and social justice. *Credit: 2 semester hours.*

DPT 216 Professional Seminar III

The third of three courses, provides guidance to students preparing for licensure and employment. The student begins community leadership development, recognizing the

responsibilities of doctorate level physical therapists in public policy, advocacy, and cultural competence. *Credit: 2 semester hours.*

DPT 221 Orthopedic Physical Therapy I

Discusses physical therapy examination, evaluation, diagnosis, prognosis, interventions, outcomes and plans of care relevant to the clinical management of patients/clients with lower extremity musculoskeletal conditions, including pre and post-operative management. Presents instruction related to orthopedic physical therapy interventions including but not limited to manual therapy, exercise and other selected techniques for specific lower extremity musculoskeletal conditions. Utilizes lecture, laboratory, and case studies to develop and integrate these concepts. *Credit: 3 semester hours.*

DPT 222 Orthopedic Physical Therapy II

Further develops concepts of physical therapy examination, evaluation, diagnosis, prognosis, interventions, outcomes and plan of care that are expanded to the clinical management of patient/clients with upper extremity musculoskeletal conditions including pre and post-operative management. Presents instruction related to orthopedic physical therapy interventions including but not limited to manual therapy, exercise and other selected techniques for specific upper extremity musculoskeletal conditions. Utilizes lecture, laboratory, and case studies to develop and integrate these concepts. *Credit: 3 semester hours.*

DPT 223 Orthopedic Physical Therapy III

Further develops concepts of examination, evaluation, diagnosis, prognosis, interventions outcomes and plan of care of that are expanded to the clinical management of patient/clients with musculoskeletal conditions of the spine, sacroiliac (SI) joint and temporomandibular joint (TMJ) including pre and post-operative management. Presents instruction related to orthopedic physical therapy interventions including but not limited to manual techniques, exercise and other selected techniques for specific spine, SI and TMJ musculoskeletal conditions Utilizes lecture, laboratory, and case studies to develop and integrate these concepts. *Credit: 3 semester hours.*

DPT 301 Special Topics

Provides students with an understanding of the role of physical therapists in the management of selected specialties of practice including patients/clients with integumentary, urogynecologic, endocrine, oncologic, reproductive and immunological diagnoses and pre and post organ transplant. Discussion regarding the health disparities experienced by LGBTQ+ individuals and the physical therapist's responsibilities for providing comprehensive care to patients/clients in the

LGBTQ+ community will be explored. *Credit: 2 semester hours.*

DPT 400 Comprehensive Examination (Written)

Students will take a comprehensive written examination at the end of Year I of the program. Policies for passing this course are identified in the DPT Program Policy and Procedure Manual. *No credit.*

DPT 401 Comprehensive Examination (Written)

Students will take a comprehensive written examination at the end of Year 2 of the program. Policies for passing this course are identified in the DPT Program Policy and Procedure Manual. *No credit.*

DPT 501 Clinical Education I

First within a four-course sequence, students engage in 6 weeks of full-time clinical education experience under the supervision of a licensed physical therapist clinical instructor. Clinical Education I, provides the opportunity for students to begin integrating and applying new and prior didactic knowledge for the initial development of clinical reasoning and practice skills across the patient/ client management model. Students are expected to collaborate with healthcare teams and apply ethical, culturally sensitive and evidence-based practice within clinical practice settings. Clinical experiences and instructions support the foundation for the initial development of professionalism and professional identity. Students are expected to achieve clinical competence at advanced beginner to intermediate level across competencies on the Physical Therapist Clinical Performance Instrument upon completion of the course. *Credit: 6 semester hours.*

DPT 502 Clinical Education II

Second within a four-course sequence, students engage in 8 weeks of full-time clinical education experience under the supervision of a licensed physical therapist clinical instructor. Clinical Education II provides the opportunity for students to progress their ability to integrate and apply new and prior knowledge and experiences for the continued development of clinical reasoning and practice skills across the patient/ client management model. Students are expected to collaborate with healthcare teams and apply ethical, culturally sensitive and evidence-based practice within clinical practice settings. Clinical experiences and instructions progress the development of professionalism and professional identity formation. Students are expected to achieve clinical competence at intermediate to advanced intermediate level across competencies on the Physical Therapist Clinical Performance Instrument upon completion of the course. *Credit: 8 semester hours.*

DPT 503 Clinical Education III

Third within a four-course sequence, students engage in 8 weeks of full-time clinical education experience under the supervision of a licensed physical therapist clinical instructor. Clinical Education III provides the opportunity for students to refine their ability to integrate and apply new and prior knowledge and experiences for the continued development of clinical reasoning and practice skills across the patient/ client management model. Students are expected to collaborate with healthcare teams and apply ethical, culturally sensitive and evidence-based practice within clinical practice settings. Clinical experiences and instructions progress the development of professionalism and professional identity formation. Students are expected to achieve clinical competence at advanced intermediate to entry level across competencies on the Physical Therapist Clinical Performance Instrument upon completion of the course. *Credit: 8 semester hours.*

DPT 504 Clinical Education IV

Last within a four-course sequence, students engage in 12 weeks of full-time clinical education experience under the supervision of a licensed physical therapist clinical instructor. Clinical Education IV provides the opportunity for students to consolidate new and prior knowledge and experiences in advancing clinical reasoning and practice skills across the patient/ client management model. Students are expected to collaborate with healthcare teams and apply ethical, culturally sensitive and evidence-based practice within clinical practice settings. Clinical experiences and instructions progress the development of professionalism and professional identity formation. Students are expected to achieve clinical competence at advanced entry level to beyond entry level across competencies on the Physical Therapist Clinical Performance Instrument upon completion of the course. *Credit: 12 semester hours.*

Department of Pharmacy Administration and Public Health (PAH)

Jagannath Muzumdar, Ph.D., *Chair and Associate Professor*

Program of Study

The Department of Pharmacy Administration and Public Health (PAH) prepares students in the area of Pharmaceutical Marketing, Regulatory Affairs/Quality Assurance or Public Health. One objective is to prepare a student

who is interested in specializing in the area of Pharmaceutical Marketing or Regulatory Affairs/Quality Assurance to demonstrate and communicate the quality and value of pharmaceutical/health care products and services in a competitive environment, while building the foundations for a career track in marketing, outcomes research, pharmaceutical regulations, and quality assurance. A successful student is then able to pursue employment in his or her chosen field and become a leader or seek career advancement in pharmaceutical industry, hospital, academia, government, research, and health care organization.

PAH also prepares students who are interested in pursuing a career in public health to improve and protect the health of populations by performing an array of essential public health services. Students will have various opportunities to develop core public health competencies and specialize in either community health or global health. The Master of Public Health degree equips students with the skills to review, analyze, interpret and integrate research and knowledge to provide practical solutions to public health problems in local, national, and global communities. Graduates may pursue work in the public and private sectors, including local, state or federal health departments, community-based organizations or international agencies, in a variety of positions such as program planners, community health educators, global program managers, health promotion coordinators, and program evaluators.

MPH 204 Health Care System and its Financing

This course will provide an overview of those factors affecting the access disparity, efficiency and quality of the U.S. health care system. Students will gain an appreciation of the dilemmas confronting policy makers, providers, and the public, and how to balance the conflicting priorities in the current health care system. *Credit: 3 semester hours.*

MPH 219 Healthcare Outcomes Assessment

The 3-credit course is designed to provide a comprehensive review of economic analysis and health status assessment in the appraisal of health outcomes and program effectiveness in health service research. Application of economic tools and quality of life evaluation instruments in clinical investigations, health services research, and policy analysis will be discussed. *Credit: 3 semester hours.*

MPH 230 Urban Health

This course will introduce students to the impact of urbanization on health. The course will cover health disparities and health inequities in the context of an urban environment. It will address social determinants of health issues such as marginalization, disenfranchisement, poverty, housing, migration, environmental factors, as well as access to health care. The course will explore the intersection of the urban environment and its relation to governance and the development of regulations, evaluation strategies for designing healthy urban communities, and explore the development of recommendations to advance urban health systems. *Credit: 3 semester hours.*

MPH 252 Biostatistics

This course will allow the student to conceptualize the different statistical methods used to evaluate drugs and health care protocols used in clinical and non-clinical public health settings. The principal emphasis will be placed on data analyses involving human in observational and experimental studies in the health sciences, including public health. *Credit: 3 semester hours.*

MPH 275 Introduction to Public Health Management

This course will introduce the student to the historical evolution of public health infrastructure and practice and provide an introduction to public health management. *Credit: 3 semester hours.*

MPH 280 Introduction to Epidemiology

This course introduces students to the basic concepts of epidemiology as applied to public health problems. The course will examine how epidemiology contributes to assessing the

health of the population, identifying the risk factors that may cause diseases and evaluating the procedures for studying and preventing diseases. *Credit: 3 semester hours.*

MPH 285 Introduction to Environmental Health Sciences

Environmental health sciences represent the study of environmental factors including biological, physical and chemical factors that affect the health of a community. The overall role of environmental risks in the pattern of human disease, and the engineering and policy strategies, including risk assessment, will be introduced. *Credit: 3 semester hours.*

MPH 301 Social and Behavioral Health

The course is designed to introduce the student to psychosocial concepts and processes that influence health status and public health interventions. The course will provide an introductory background to the kinds of social and behavioral theories that guide our understanding of health related behavior and explore some of the ways in which these theories and approaches may be used in public health practice. *Credit: 3 semester hours.*

MPH 302 Health Care Data Analysis and Management

This course is designed to develop effective data management skills in clinical and health care research. The course will provide graduate students with an overview of statistical software and provide technical skills for data management, data analysis, and producing graphs and reports. *Credit: 3 semester hours.*

MPH 303 Public Health Program Planning

The course is designed to provide students with a systematic approach to planning effective public health programs and will cover the general principles of public health program planning including needs assessment, design, implementation and evaluation. The student will be able to develop a plan for implementing an effective public health program and/or intervention to address public health issues affecting the communities at local, national, and international levels. *Credit: 3 semester hours.*

MPH 304 Public Health Program Evaluation

This course will provide students with an overview of program evaluation, qualitative and quantitative evaluation methods and analysis tools to evaluate data. A critical examination of a wide variety of research and program evaluation designs and methods used in applied areas of health care will be evaluated. *Credit: 3 semester hours.*

MPH 305 Geographic Information Systems (GIS)

This course is an introduction to the concepts of Geographic Information Systems (GIS) as they apply to public health, access to care and health disparities. Participants will acquire hands-on experience using type of GIS software to create and manage geo-referenced data layers; learn principles of geocoding and the use of Global Positioning Systems (GPS); perform queries, searches, and statistical analyses; and create maps and reports for the field of public health. *Credit: 3 semester hours.*

MPH 306 Research Methods in Public Health

The course will introduce the student to the fundamentals of research study design, data collection, data analysis and interpretation of study results in public health research or evaluation project. It serves as an introduction to various quantitative, qualitative, mixed method and participatory approaches for undertaking research on issues pertaining to public health and health services evaluation. *Credit: 3 semester hours.*

MPH 310 Health Disparities

This course will introduce the concept of health disparities in relation to socioeconomic status (SES), access to care, racial and ethnic group in the United States. Students will compare health status across social, racial and ethnic groups and discuss the concept of socioeconomic status and its association between poverty and poor health. *Credit: 3 semester hours.*

MPH 311 Health Promotion and Disease Prevention

The purpose of this course is to evaluate different approaches to health promotion and disease prevention for different target groups. The course focuses on the specifics of intervention both development and delivery and how these might vary across settings, behaviors and strategies. *Credit: 3 semester hours.*

MPH 312 Health Communication (3)

The course is designed to help public health professionals apply sound judgment when making decisions about how to communicate effectively with the public. The course includes theoretical and practical content on: persuasive approaches to group and individual change; audience, message, and channel factors in campaign development; and measurement of campaign impacts. *Credit: 3 semester hours.*

MPH 315 Global Health and Healthcare in Developing Countries

This course will explore factors that contribute to unequal prevalence of diseases and status

of health and introduce key concepts of global health. The student will be introduced to the burden of diseases on the economic resources of developing countries; challenges faced by the global health systems, and economic and social inequity issues in global health. *Credit: 3 semester hours.*

MPH 316 Global Environmental Sustainability and Health

The course explores the major issues pertaining to the maintenance of a sustainable ecosystem as an essential prerequisite for population growth without compromising the ability of the next generation to meet its needs. The course examines the current challenges in global sustainability such as climate stabilization, energy security, and sustainable land use. *Credit: 3 semester hours.*

MPH 317 Public Health Practice

Prerequisite: all core courses. Students will apply skills and knowledge acquired from their coursework in a real-world setting in this supervised fieldwork practice experience to address a public health issue. As students carry out the assigned projects, they will attend seminars and submit interim reports to document their progress towards goals and objectives. *Credit: 3 semester hours.*

MPH 330 Culminating Experience

Prerequisite: MPH 317. The culminating experience provides continued development of the students' skills and helps advance the transition into knowledgeable public health professionals. This course is integrated with the fieldwork practice experience and requires application of the cross-cutting concepts and core areas of knowledge in which students plan, analyze, present their fieldwork experience and attend seminars. *Prerequisites: MPH 317 Public Health Practice. Credit: 3 semester hours.*

PAS 101 Special Problems

Prerequisite: Completion of 12 course credits. Laboratory and/or fieldwork in area of specialization in institutional, hospital, cosmetic or industrial pharmacy. *Credit: 3 semester hours.*

PAS 102 Statistics for Medical Practice

This course will provide basic statistical principles and methods for practicing clinicians to use in their review of the health literature, evaluation of medical interventions, clinical decision making, and research. Specific topics include: an overview of common statistical terms and concepts that can be useful to the practitioner and clinical researcher, tools for describing central tendency and variability in data; methods for performing inference on population means and proportions via sample

data; statistical hypothesis testing and its application to group comparisons; issues of power and sample size in study designs; and random sample and other study types. Upon successful completion of this course, students will be able to understand and apply basic biostatistical concepts and reasoning in clinical practice. *Credit: 3 semester hours.*

PAS 103 Clinical Epidemiology

This course introduces students to the basic principles of clinical epidemiology for healthcare practitioners. The course will examine the efforts of clinical epidemiology to improve patient care effectiveness in the US and globally. Examples will be taken from patient care and clinical research that are published in order for students to develop a grounded approach to health care. Key concepts covered include: the historical context of epidemiology and clinical practice, causation, confounding, frequency, chance, abnormality, risk, prognosis, diagnosis, treatment, prevention, summarizing evidence, and interpreting evidence for clinical practice. This includes concepts of survival and intention-to-treat in clinical research. Upon successful completion of this course, students will be able to understand and apply basic clinical epidemiology concepts and reasoning in the practice of healthcare. *Credit: 3 semester hours.*

PAS 110 Law for Physical Therapists

Provides the student with an understanding of the legal basis of physical therapy. As professional persons empowered by state and national licensure to protect patients from risks, students will learn about the responsibilities of physical therapists under the law and the limits of their responsibilities. Principles of professional, criminal, and civil liability, and business and contract law, where applicable to physical therapy practice, are included. Specific attention is given to rules of professional conduct as defined by the New York State Board of Physical Therapy. *Credit: 1 semester hour.*

PAS 212 Pharmaceutical Promotion

This course deals with the theoretical, practical and unique aspects and issues in pharmaceutical promotion. *Lecture. Credit: 3 semester hours.*

PAS 214 Management in the Health Care Industries

Management policies and procedures of those institutions organized to deliver health care services and related products to the consumer. *Credit: 3 semester hours.*

PAS 215 Foundations of Regulatory Affairs

This course provides the student with an understanding of the laws, regulations and

procedures of federal and state regulations that affect drugs and medical devices during their development, production and distribution stages. *Lecture. Credit: 3 semester hours.*

PAS 216 Consumer Behavior in Purchasing Drug Products

Sociological, psychological and anthropological factors affecting consumer buying tendencies. *Credit: 3 semester hours.*

PAS 217 Retail Pharmacy Management

This course deals with the theoretical and practical aspects of the activities involved in the retailing of pharmaceutical goods and services—specifically with respect to the places, times, prices and quantities that enable a retailer to reach its goals. *Lecture. Credit: 3 semester hours.*

PAS 218 Contemporary Administrative Principles

The evaluation of contemporary administrative concepts; the essentials of the planning, organizing, coordinating and controlling processes; and the techniques of interviewing, communicating, motivating and establishing performance criteria are explored in this course. *Lecture. Credit: 3 semester hours.*

PAS 220 Global Pharmaceutical Marketing

Prerequisite: PAS 211 or equivalent. This course covers the global pharmaceutical market and the economic, legal, cultural, political and competitive environment in which the global pharmaceutical market operates. *Credit: 3 semester hours.*

PAS 252 Biostatistics

This course will allow the student to conceptualize the different statistical methods used to evaluate drugs and health care protocols used in clinical and non-clinical public health settings. While the principal emphasis will be placed on data analyses involving animal and humans in preclinical and clinical studies, case studies will involve the application of the concepts learned in the course to other health related fields including but not limited to public health. *Credit: 3 semester hours.*

PAS 256 Principles of Experimental Design

Prerequisite: Undergraduate courses in biological and chemical sciences. This course is designed to develop competencies necessary to solve complex biological problems with efficient experiments using small sample size. *Lecture. Credit: 3 semester hours.*

PAS 260 Basic Concepts of Drug Development

This course is designed to study the modern drug development process in the pharmaceutical industry from drug discovery up to the Submission of NDA for FDA approval. *Credit: 3 semester hours.*

PAS 261 Foundations of GXP

This course introduces the fundamental concepts of GLP, GCO and GMP. It explores basic regulatory and quality assurance issues pertinent to pre-clinical safety research. *Credit: 3 semester hours.*

PAS 262 Regulatory Submissions and the Drug Approval Process

This course covers the development of IND and NDA submissions for FDA review. In addition, the most recently revised regulations governing IND, NDA, SNDA and ANDA are discussed as they relate to facilitation of the review process. *Credit: 3 semester hours.*

PAS 263 Generic Drug Regulation

Prerequisite: PAS 215. This course studies the FDA's regulations on generic drug manufacturing, clinical trial, application preparation and submission and marketing. It covers related guidance documents, policies, requirements and general procedures. *Credit: 3 semester hours.*

PAS 264 Advanced Food and Drug Law Regulation

Prerequisite: PAS 215. This course develops an in-depth understanding of the laws governing food and drugs. This course focuses on the laws and regulations promulgated by the federal government, especially the Food and Drug Administration, related to drug development, manufacturing marketing and distribution. *Credit: 3 semester hours.*

PAS 265 Scientific Inquiry: Regulation and Ethical Challenges

This course considers the nature of the scientific enterprise and both the legal and ethical restrictions placed on its methods and products by the government through imposition of regulation and society at large through moral suasion. *Credit: 3 semester hours.*

PAS 266 Bio-Pharmaceutical Statistics-II

Prerequisites: PAS 252 or equivalent.

This course will provide the student with explanation of the approaches and solutions to commonly encountered statistical problems, with examples that are relevant to scientists involved in pharmaceutical and related research. *Credit: 3 semester hours.*

PAS 267 Post Approval Affairs

This course reviews FDA guidelines for Scale Up Post Approval changes (SUPAC) developed by the Center for Drug Evaluation and Research (CDER). The FDA guidelines, published workshop reports and applicable scientific literature will be discussed. *Credit: 3 semester hours.*

PAS 268 Good Manufacturing Practices

This course will provide the students with a comprehensive understanding of the requirements described in the Food and Drug Administration's (FDA) regulations on GMPS as they pertain to pharmaceutical drugs and medical devices. *Credit: 3 semester hours.*

PAS 269 Good Laboratory Practices

Prerequisite: PAS 261. This course is designed to provide an understanding of the regulatory requirements for designing, conducting, auditing, and reporting pre-clinical laboratory studies in support of research or marketing applications. It will explore the regulations and guidelines set forth by the US Food and Drug Administration (FDA), the European Union (EU) and other significant national regulations. *Credit: 3 semester hours.*

PAS 272 Process Validation

This course will provide the students with an understanding of the scientific principles and regulatory requirements for pharmaceutical companies that are legally mandated to validate their manufacturing processes. *Credit: 3 semester hours.*

PAS 275 Good Clinical Practices

Prerequisite PAS 261. This course is designed to provide an understanding of the quality standards for designing, conducting, recording, and reporting clinical trials. It will explore the regulations and guidelines set forth by the U.S. Food and Drug Administration (FDA) and the International Conference on Harmonization (ICH) and briefly cover the impact of the European Union (EU) Clinical Trial Directive. *Credit: 3 semester hours.*

PAS 276 International Drug Regulatory Affairs

This course provides a detailed analysis of the regulatory processes for new drug and device approvals outside of the United States. Students will gain experience in comparing the European, Canadian, Japanese, Asian and South American registration trends with those of the United States. Future regulatory structures in the major world markets will also be explored. *Credit: 3 semester hours.*

PAS 277 Product Labeling

This course will examine strategies for creating drug labels and product labeling for new drugs and for dealing with labeling issues generated by post-marketing surveillance activities and alterations in federal Regulation or guidance. Students will gain insight into the regulatory process and the enforcement process of the FDA for drug, biologic, device, dietary supplement and cosmetic labeling. International labeling issues will be addressed

as they impact on harmonization. *Credit: 3 semester hours.*

PAS 278 Pharmaceutical Pricing Concepts and Research

The course is designed to introduce the student to the theories, principles and concepts in pharmaceutical pricing and pricing research. The course will provide an introduction to the principles and terminology that guide our understanding of pharmaceutical pricing and discuss research and methods that are used to develop pricing strategies in the United States. The course will also provide insights into the role of value and other healthcare and market variables (e.g., physician decision making, patient and disease characteristics) that influence pricing strategy development and pricing decisions for pharmaceutical medications. The role of these variables in shaping and developing pricing research will be discussed. Further, the influence of contracting/discounting and the tactical implementation of pricing will be discussed. *Credit: 3 semester hours.*

PAS 279 Patient-Reported Outcomes Measures

This course is designed to provide students an overview of the PROs research field. The course would focus on specific measurement techniques for assessing outcomes in clinical and health services research studies. The course will not only provide students with an in-depth familiarity with existing measurement instruments but would also include a thorough review of how to develop, analyze, and interpret data from PROs questionnaires. The course will discuss how PRO instruments are useful to quantify and evaluate outcomes such as overall well-being, quality of life, and patient satisfaction in pediatric, geriatric, and other distinctive populations. *Credit: 3 semester hours.*

PAS 280 Introduction to Epidemiology

This course will provide students with a fundamental understanding of the general principles of epidemiological methods and their application to public health practice. It will introduce key epidemiological concepts such as association, bias and confounding, as well as the main epidemiological study designs. Precepts will provide opportunities for practical application of skills in interpreting, displaying and communicating epidemiological data. *Credit: 3 semester hours.*

PAS 281 Economic Evaluation of Health Programs

The course is designed to provide a comprehensive review of economic analysis and health status assessment in the appraisal

of health outcomes and program effectiveness in health service research. Major economic evaluation methods such as: cost effectiveness analysis, cost benefit analysis and cost utility analysis are introduced in the context of current health care service system. Application of economic tools and quality of life evaluation instruments in clinical investigations, health services research, and policy analysis will be discussed. *Credit: 3 semester hours.*

PAS 282 Health Care System and Health Policy

This course will provide an overview of those factors affecting the access disparity, efficiency and quality of the U.S. health care system. These factors include: demographic changes, demand for services, cost shifting, use of health technology, health care workforce distribution, financing of services by payers, Medicare and Medicaid, the evolution of managed care market, and health care reform initiatives. Students will gain an appreciation of the dilemmas confronting policy makers, providers, and the public, and how to balance the conflicting priorities in the current health care system. *Credit: 3 semester hours.*

PAS 283 Health Care Finance and Reimbursement

This course is designed to provide principles and concepts related to financial, accounting and reimbursement methods practiced by different stakeholders in the US health care system. Students will learn about the financial tools needed by healthcare managers to make better financial, operational and strategic decisions. The impact of reimbursement strategies and payment policies on service delivery and financial performance of healthcare organizations will also be explored. By the end of the course, students should be able to interpret key financial statements, analyze short- and long-term health care finance data, assess financial benefits and risks incurred by health systems and articulate reimbursement and payment approaches in healthcare. *Credit: 3 semester hours.*

PAS 284 Comparative Effectiveness of Medical Treatment, Health Outcomes, and Evidence-based Medicine

Prerequisite/Co-Requisites: PAE 101 Introduction to the Physician Assistant Profession and Ethics/PHM 105 Pharmacology for Physician Assistant II, PHS 107 Organ Pathophysiology, PHS 105 Advanced Anatomy and Physiology II, PAE 102 Current Topics in PA Practice

This course is designed to provide the students with a foundation for making medical decisions by applying evidenced-based medicine (EBM) principles and comparative effectiveness research (CER) results to optimize

the use and cost of health care interventions. The student will be introduced to the role of health economics and outcomes research in establishing the comparative value of competing interventions for the construction of evidence based clinical practice guidelines. Assessing the quality of clinical literature and clinical practice guidelines will also be discussed. *Credit: 3 semester hours.*

PAS 285 Essentials of Healthcare Market

This course covers topics including the modern pharmaceutical industry; the nature of pharmaceutical products; ad factors affecting marketing of pharmaceutical products. The U.S. pharmaceutical market is the focus for studying the above aspects. Lecture. *Credit: 3 semester hours.*

PAS 286 Research Methods in Health Science

Prerequisite: PAS 252 or equivalent. This required course allows the student to understand the fundamental nature of the scientific approach to conducting research. Lecture. *Credit: 3 semester hours.*

PAS 287 Operations of Healthcare Organization and Patient Safety

This course will provide students with knowledge and decision-making skills to successfully manage operations of healthcare organizations while considering quality of care and patient safety in a demanding healthcare environment. Students will learn to apply principles of design, implement and control transformation process in an efficient and effective way, taking into account policies, regulations, and accreditation standards of healthcare organizations. Topics such as reducing patient wait times, measuring productivity, integrating health information technology, streamlining process flows, managing cost of supply and demand, tracking outcomes and performance metrics will be discussed. Furthermore, students will be introduced to the science of quality, and how it relates to patient safety, patient experience and patient satisfaction. After taking this course, students should be able to apply the knowledge and skills learned to ensure that a healthcare organization meets established standards of responsibility to ensure patient safety and satisfaction. *Credit: 3 semester hours.*

PAS 288 Strategic and Quality Management of Health Care Industry

This course is designed to provide the principles, methods and concepts related to strategic planning, implementation, and quality management practiced by the US health care system. Students will learn about the methods for evaluating and analyzing

the environment external to the healthcare organization, the interaction of forces inside the organization such as governance and resources and their impact on the organization's strategic direction. Key steps in development, execution, management and evaluation of a strategic plan will be discussed. Concepts of quality management (including patient safety, risk assessment and prevention, and patient experience and satisfaction) and its interrelationship to strategic planning will also be studied. Successful completion of the course will enable the student to formulate, develop and lead the execution of a strategy, and critically evaluate its impact on quality management and performance improvement of the organization. *Credit: 3 semester hours.*

PAS 290 Managed Health Care and Health Insurance

This course presents an overview of design, regulation, and evaluation of health insurance and managed care plans. The course covers managed care programs, structures, practice models, role of physicians and other clinicians, capitation cost-accounting, and forms of reimbursement. It provides a firm foundation pertaining to private and public sector health insurance/benefit plans, both as provided by employers and government agencies such as Medicaid and Medicare. Key topics include population health management techniques, provider payment, organizational integration, quality and accountability, cost-containment, and public policy. This course is relevant for individuals who will be working in public and private (both for-profit and not-for-profit) health insurance plans and organized delivery systems such as HMOs and hospital/physician integrated delivery systems. *Credit: 3 semester hours.*

PAS 291 Ambulatory Care Practice Management

This course is designed to provide principles and concepts related to the management of an ambulatory care practice. Students will learn about evidence-based healthcare practice management, integrated delivery systems, and theories that govern a healthcare practice. Furthermore, students will gain an understanding of the federal and state laws governing public and private insurance fraud and abuse, and its impact on the delivery of services. *Credit: 3 semester hours.*

PAS 292 Long-term Care, Home Health and Hospice Care

This course will address long-term service, home health, and hospice care delivery programs that are designed to meet the special needs of aging populations. It will review care and service systems, including the physiological, psychological, and mental health

changes common among seniors. Students will apply a case study approach to become well-versed with a conceptual framework for planning, organizing, and delivering services to the aging population, including the ability to define the major physical, mental and psychosocial changes and health problems that accompany aging and their applicability to program development. They will be able to describe the impact of demographics and the changing nature of family relationships on senior services delivery programs as well as to evaluate various models of service delivery, including their relevance to current social determinants of health. This course will also take an historical, philosophical and managerial perspective of elderly housing and care across the spectrum. The course will analyze the role of financing and the evolving marketplace and will focus on the role of health care delivery within elderly housing, determinants of quality of and access to care, models of health care, and the critical role of quality assurance and management. *Credit: 3 semester hours.*

PAS 293 Hospital Administration

This course will provide an overview of organizational structure and operating procedures in US health system, with emphasis given to hospital organizations. History, current trends and future challenges of hospital structure and management processes will be discussed. Emerging trends and issues in organizational structure changes and system integration will be examined. Case study analysis in topics such as hospital mergers acquisitions and joint ventures will be provided to augment readings and lecture materials. Upon completion of the course, a student is expected to understand the governance structure and operating dynamics and analyze emerging trends and issues of a typical modern hospital. *Credit: 3 semester hours.*

PAS 301 Social and Behavioral Health

This course is designed to introduce the student to social concepts and processes that influence health status and public health interventions. The course will provide an introductory background to the kinds of social and behavioral theories that guide our understanding of health related behavior and explore some of the ways in which these theories and approaches may be used in public health practice. *Credit: 3 semester hours.*

PAS 302 Health Care Data Analysis and Management

This course is designed to develop effective data management skills in clinical and health care research. The course will provide graduate students with an overview of the SAS software and provide technical skills for data management,

data analysis, and producing graphs and reports. Hands-on experiences and assignments with real world data from a wide variety of sources such as health care administrative files and Health Survey databases from National Center for Health Statistics will be offered to enable students to master the skills learned in the course. *Credit: 3 semester hours.*

PAS 900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirements. All master's candidates must register for this course until thesis is completed in order to satisfy research requirements. Although students may register for more than six hours, no more than six credits may be applied towards the degree. *Credit: 3-6 semester hours. Current fee.*

PAS 925 Maintaining Matriculation–Master's

All master's students who are not registered for any other courses must maintain enrollment in the University by registering for this course. Eligibility for thesis option students is typically limited to students who have satisfied all research and degree requirements but have not completed the written and oral components of the thesis. Thesis option students must have written approval from their advisor, department chairman and permission from the graduate dean to register for this course. *No credit. Current fee.*

Department of Pharmaceutical Sciences (PHS)

Vijaya L. Korlipara Ph.D., *Chair and Professor*

Program of Study

The Department of Pharmaceutical Sciences is committed to educating research scientists for academic, governmental and industrial institutions. The program is designed to provide the student with critical learning skills, research expertise and a fundamental knowledge base that enables scientists to remain current with scientific literature, to carry out laboratory investigations and to analyze research findings. Students will acquire the necessary skills in a chosen area of concentration (industrial pharmacy, medicinal chemistry, pharmacology, and toxicology) that are essential to enable them to assume leadership positions in the pharmaceutical and biomedical sciences.

IPP 101 Special Problems in Industrial Pharmacy

Laboratory and/or fieldwork in area of specialization in institutional, hospital, cosmetic or industrial pharmacy. *Credit: 3 semester hours. Current laboratory fee.*

IPP 231 Principles of Manufacturing Pharmacy

Corequisite IPP 231L. A study of the process and equipment employed in the manufacture of solid pharmaceuticals. Operations on a pilot plant scale are utilized to demonstrate the common types of industrial equipment. *Lecture. Credit: 3 semester hours.*

IPP 231L Laboratory for Principles of Manufacturing Pharmacy

Credit: 3 semester hours; 1 credit hour. Current laboratory fee.

IPP 233; Industrial Pharmacy Journal Club

This course is composed of research seminars for graduate students pursuing a M.S./ Ph.D. degree in Industrial Pharmacy in which discussion will focus on interpretation, analysis and critical evaluation of research data in published research articles and unpublished research data generated by the graduate students during their dissertation research. *Credit: 2 semester hours.*

IPP 234 Pharmaceutical Materials

A critical study of the chemical, physical and pharmaceutical properties of raw materials, excipients and inert ingredients that are used in the formulation of cosmetic and pharmaceutical products. *Credit: 3 semester hours.*

IPP 235 Product Formulation

Corequisite IPP 235L. A study of the formulation and stability testing of dosage forms. *Lecture. Credit: 3 semester hours.*

IPP 235L Laboratory for Product Formulation

Corequisite IPP 235. Laboratory. *Credit: 3 semester hours. 1 credit. Current laboratory fee.*

IPP 236 Evaluation of Pharmaceutical Dosage Forms

Physical and physiochemical procedures used to evaluate pharmaceutical dosage forms are discussed. Factors affecting drug release from pharmaceutical products are covered along with *in vitro* and *in vivo* procedures for assessing drug absorption efficiency. *Lecture. Credit: 3 semester hours.*

IPP 237 Industrial Pharmacy

The basics of pharmaceutical processing and unit operations including both theory and practice of all the major operations underlying pharmaceutical production. *Lecture. Credit: 3 semester hours.*

IPP 241 Advanced Biopharmaceutics

A course designed to study the physicochemical, formulation and biological factors which affect the processes of drug absorption, distribution, metabolism and excretion, to learn the advanced pharmacokinetic calculation, analysis, modeling and the use of computer soft wares, and to optimize drug delivery systems for various routes of administration based on biopharmaceutical, pharmacokinetic and clinical considerations. *Lecture. Credit: 3 semester hours.*

IPP 247 Special Drug Delivery Systems

Considerations involved in the development and formulation of sustained and controlled release drug delivery systems are discussed. *Lecture. Credit: 3 semester hours.*

IPP 250 Targeted Drug Delivery Systems

This elective is designed to focus on different concepts and strategies involved in the design and development of targeted drug delivery systems to different organs and/or sites. *Credit: 3 semester hours.*

IPP 255 Biotechnological Drug Delivery Systems

This course is designed to focus on various physicochemical, biological and pharmaceutical concepts and strategies involved in the design and development of invasive (parenteral) and noninvasive drug delivery systems for biotechnological drug molecules such as proteins and peptides. *Lecture. Credit: 3 semester hours.*

IPP 265 Introduction to Industrial Pharmacy I

This course is designed to provide students opportunities to learn fundamentals of physical, chemical and biological principles used in the preparation, preservation, evaluation and utilization of drug products and/or pharmaceutical dosage forms that are required to comprehend the advanced level material taught in various courses in the industrial pharmacy curriculum. *Credit: 3 semester hours.*

IPP 266 Introduction to Industrial Pharmacy II

This course further develops the student's opportunities to learn fundamentals of physical, chemical and biological principles used in the preparation, preservation, evaluation and utilization of drug products and/or pharmaceutical dosage forms that are required to comprehend the advanced level material taught in various courses in the industrial pharmacy curriculum. *Credit: 3 semester hours.*

IPP 267 Advanced Physical Pharmacy

This course is designed to instill in the student an awareness of the various

principles of advanced physical pharmacy and pharmaceutical sciences involved in the development of pharmaceutical products. The course includes discussion of colligative properties of solutions, complexation underlying formulation of solutions, rheological properties of pharmaceutical systems, principles for the preparation of coarse dispersions and technology for the preparation of suspensions, microparticles, and nanoparticles. *Credit: 3 semester hours.*

IPP 271 Degradation and Stability of Pharmaceutical Systems

This course involves study of physical and chemical factors affecting stability of drugs in pharmaceutical dosage forms and approaches to enhance their stability and shelf-life. *Credit: 3 semester hours.*

IPP 273 Pharmacokinetic and Pharmacodynamic Data Analysis

Recommended: IPP 241 or equivalent.

This course is designed to develop a basic understanding of the pharmacokinetic and pharmacodynamics concepts and their model applications governing the time course of drug absorption, distribution and elimination as well as drug action. *Credit: 3 semester hours.*

MCM 101 Special Problems

Laboratory and/or fieldwork in Medicinal Chemistry. *Credit: 3 semester hours.*

MCM 207 Peptides and Peptidomimetics

This advanced graduate course instructs the students about the therapeutic potential of peptide natural products, and peptidomimetics. Chemical methods to synthesize peptides and peptidomimetics will be discussed. This course will provide the students with the working knowledge about the structure and function of peptide-based drugs, and the chemical tools available to access these drug leads in both academia and pharmaceutical settings. *Credit: 3 semester hours.*

MCM 223 Design of Nucleoside Analogs

The chemistry of nucleic acids, nucleotides, nucleosides, purine and pyrimidines is discussed with respect to their structures, syntheses and properties. *Credit: 3 semester hours.*

MCM 225 Biocatalysis in Drug Discovery

This advanced course focuses on the emerging application of biocatalysis/enzyme catalysis in pharmaceutical discovery. The course will introduce chemical reactions catalyzed by enzymes and their relevant application in the development of natural, and unnatural medicinal molecules, as well as in the development of pharmaceuticals. *Credit: 3 semester hours.*

MCM 231 Medicinal Chemistry Journal Club

Seminar for graduate students in pharmaceutical sciences in which discussions focus on published experimental results with a view toward evaluation of methodology and a presentation of data. Participation by graduate faculty and students. *Credit: 2 semester hours.*

MCM 245 Laboratory Use of Radiotracers

A course designed to present the fundamentals of the use of radiotracers in the modern laboratory. Emphasis is placed on safety, experimental design and the variety of special techniques in use today in pharmaceutical research. *Credit: 3 semester hours.*

MCM 248 Receptors and Mechanism of Drug Action

Discussion is focused on the concept and theories of receptors as an explanation for drug action and design of new therapeutic agents. Special emphasis is placed on the mechanism of action and drug interaction with important categories of drugs. *Credit: 3 semester hours.*

MCM 255 Chemical Aspects of Drug Metabolism

A detailed discussion of drug metabolizing enzyme systems and reactions. The relationship between chemical structure and drug metabolism is particularly emphasized. Drug metabolism related toxicity is also considered. *Credit: 3 semester hours.*

MCM 263 Laboratory in Analysis of Biomacromolecules

A course designed to present the fundamentals of the use of modern analytical techniques for the identification and isolation of biomacromolecules. Emphasis is placed on protein purification methods. *Credit: 3 semester hours.*

MCM 265 Principles of Drug Design I

This course is the first half of the Principles of Drug Design sequence designed to present to the student, an overview of the basic principles involved in Medicinal Chemistry. This will include discussion on drug-receptor interactions, quantitative structure activity relationship (QSAR) studies, molecular modeling, and the application of recombinant DNA technology in medicinal chemistry and drug discovery. Examples of drugs obtained through rational drug design and random screening methods will be presented. *Credit: 3 semester hours.*

MCM 266 Principles of Drug Design II

This course is second half of the Principles of Drug Design sequence designed to present to the student, an overview of the basic

principles involved in Medicinal Chemistry. This will include discussion on drug metabolism, peptidomimetics in drug design, design and application of prodrugs, and design of enzyme inhibitors. *Credit: 3 semester hours.*

MCM 267 Computer-Aided Drug Design

This course is designed to provide students with the background and a hands-on understanding of techniques involved in computer-aided drug design, including molecular mechanics/dynamics, quantum mechanics, protein sequence alignments, homology modeling, protein binding site identification and analysis, small molecule conformation generation/clustering, property generation/filtering, virtual screening, ADME/Toxicity predictions, quantitative structure-activity relationship (QSAR), cheminformatics, ligand docking, and pharmacophore mapping in drug development. The first half of the semester will be mainly lectures to provide necessary background for doing subsequent hands-on modeling experiments. *Credit: 3 semester hours.*

MCM 268 Drug Synthesis

This course will present synthesis of current and new drugs. Chemical methods of synthesis will be introduced. Both heterocyclic and carbocyclic methods will be covered. This course will provide the students with a working knowledge of the principles of chemical syntheses as they apply to specific drugs. *Credit: 3 semester hours.*

MCM 269 Advanced Topics in Prodrug Design

This course is designed to provide the students with selected advanced topics of prodrugs and the principles involved in prodrug design. This will also include discussion on objectives and strategic consideration of prodrug design and characterization. *Credit: 3 semester hours.*

MCM 270 Medicinal Chemistry of Antiviral and Anticancer Chemotherapeutic Agents

This course is designed to instruct the students on the design, discovery, structure activity relationships and chemical mechanisms of actions of antiviral and anticancer chemotherapeutic agents. Case studies in the discovery and development of novel antiviral and anticancer agents will be presented and will include strategies for enzyme inhibition and metabolic blockade. *Credit: 3 semester hours.*

MCM 275 Chemical Glycobiology

The biological function of carbohydrates extends far beyond their classical roles as an energy source and structural building blocks. Homeostasis, inflammation, fecundation, tumor metastasis, muscular integrity, and infection are a few examples of biological phenomena that involve the molecular recognition of glycans as part of the associated biochemical

processes. This course will immerse the students into the multidisciplinary field of the glycosciences and will cover from basic topics related to the structure, function, and synthesis of saccharides; to advanced applications such as the development of glycomimetic drug candidates and the design of carbohydrate-based immunotherapies. *Credit: 3 semester hours.*

PHM 101 Special Problems

Conferences on specialized topics accompanied by laboratory work in pharmacology. *Credit: 3 semester hours. Current laboratory fee.*

PHM 102; 103 Principles of Pharmacology I; II

Introduction to the science of pharmacology with emphasis on the basic principles. There is in-depth consideration of the factors modifying drug responses and dose-response relationships. *Credit: 3 semester hours.*

PHM 104 - Pharmacology for Physician Assistants I

This course will introduce and cover the major concepts of pharmacology for the Physician Assistant program. The therapeutic application of the major categories of drugs will be considered from the point of view of biochemical and molecular mechanisms of action, fundamental understanding of drug-receptor theory, dose-response analysis, adverse effects, drug-drug interactions and clinical application of drugs. In addition, monitor parameters for select drugs will be covered. *Credit: 3 semester hours.*

PHM 105 - Pharmacology for Physician Assistants II

This course will continue to cover the major concepts of pharmacology for the Physician Assistant program and builds upon the program of study from Pharmacology for Physician Assistants I (PHM 104). Additional major categories of drugs will be considered from the point of view of biochemical and molecular mechanisms of action, fundamental understanding of drug-receptor theory, dose-response analysis, adverse effects, drug-drug interactions and clinical application of drugs. The knowledge base of the student will extend into new material. *Credit: 3 semester hours.*

PHM 201 Pharmacology of the Autonomic Nervous System

An overview of the established pharmacology of the autonomic nervous system is presented as well as a comparison with the pharmacology of the somatic nervous system. *Credit: 3 semester hours.*

PHM 202 Advanced Pharmacology

This course intends to introduce the student to select *in vivo* and *in vitro* techniques used in the quantitative evaluation of pharmacological principles, molecular aspects of pharmacological research and receptor binding/signal transduction. *Credit: 3 semester hours.*

PHM 203 Research Methods in Pharmacology

This course intends to introduce the student to select *in vivo* and *in vitro* techniques used in quantitative evaluation of pharmacological agents. *Credit: 3 semester hours. Current laboratory fee.*

PHM 209 Pharmacological Aspects of Respiratory Disease

Pulmonary physiology will be reviewed; anatomy and the process of respiration, gas exchange, control of respiration and acid base balance will be included. The anatomical, physiological and biochemical basis of respiratory disease (or pathology) will be discussed. *Credit: 3 semester hours.*

PHM 211 Biochemical Neuropharmacology

The biochemical bases of the action of drugs in the nervous system are discussed. The molecular and biochemical pharmacology of acute and chronic effects of neuropharmacological agents are reviewed and new techniques and findings in biochemical neuropharmacology are considered. *Credit: 3 semester hours.*

PHM 216 Advanced Psychopharmacology

This course provides an introduction to the neuro-pharmacological bases of behavior and drugs used to treat behavior disorders. The role that specific neurochemical systems play in regulating behavior is considered and discussed. The molecular, biochemical and behavioral mechanism of action of many psychotropic drugs is covered. *Credit: 3 semester hours.*

PHM 221 Clinical Pharmacology

Discussion and demonstration of the clinical basis for the therapeutic application of drugs. Toxicity and adverse reactions are considered. Case material from actual patient populations is used to illustrate and support this information. *Credit: 3 semester hours.*

PHM 232 Pharmacology Journal Club

Seminar for graduate students in pharmaceutical sciences in which discussions focus on published experimental results with a view toward evaluation of methodology and a presentation of data. Participation by graduate faculty and students. *Credit: 3 semester hours.*

PHM 240 Pharmacology of Anticancer Drugs

This course is designed to instruct students in the area of Pharmacology of anticancer drugs. This course covers the following aspects of anticancer drugs: mechanisms of action; critical pharmacokinetic parameters and drug-drug interactions; adverse reactions and toxicity. *Credit: 3 semester hours.*

PHM 246 Pharmacology of Drug Abuse

A study of the various chemical agents of dependence with in-depth consideration of the mechanisms and nature of the chemical agents involved in this phenomenon. *Credit: 3 semester hours.*

PHM 247 Reproductive Pharmacology

A consideration of the effect of drugs on the reproductive system during the periods of development, maturation and aging. *Credit: 3 semester hours.*

PHM 249 Cardiovascular Pharmacology

The course considers the mechanism of action of myocardial stimulants and depressants as well as anti-arrhythmic drugs. *Credit: 3 semester hours.*

PHS 104 - Advanced Anatomy and Physiology I

This course is designed to present advanced concepts in human anatomy and physiology. This is a graduate level course so students entering this class have had basic undergraduate anatomy and physiology courses and this course will build on those basic concepts. From this course students will develop advanced knowledge of the function and structure of the human body systems. In addition, some common clinical conditions will be introduced. While the class will be largely delivered by focusing on organ systems, regional anatomy and physiology will also be highlighted. The course is the first of a two part series. This course will focus on review of basic anatomy and physiology and expand of the anatomical features and function aspects of the integumentary, musculoskeletal, cardiovascular, lymphatic/immune, pulmonary and gastrointestinal systems. *Credit: 3 semester hours.*

PHS 105 - Advanced Anatomy and Physiology II

This course is designed to present advanced concepts in human anatomy and physiology. This is a graduate level course so students entering this class have had basic undergraduate anatomy and physiology courses and this course will build on those basic concepts. From this course students will develop advanced knowledge of the function and structure of the human body systems. In addition, some common clinical conditions will be introduced. While the class will largely be delivered by focusing on organ systems, regional

anatomy and physiology will also be highlighted. The course is the second of a two part series. This course will enhance a student's knowledge of the anatomical features and functional aspects of the nervous, endocrine, urinary and reproductive systems and explore advanced concepts associated with embryonic and fetal development and genetic factors associated with inheritance, phenotypes and mutations. *Credit: 3 semester hours.*

PHS 106 – Organ Pathophysiology

This course is designed to prepare Physician Assistant students with a comprehensive foundation of the pathophysiological processes associated with the alterations in human physiology. The course is organized by body systems, relating alterations and dysfunction of disease processes found in a diverse community, across an individual's lifespan. The complexity of pathophysiology across a lifespan will be presented to provide the foundation necessary for critical thinking and clinical reasoning as part of the care and management of multidimensional patient. Multiple innovative learning methodologies add depth and breadth to the learner's experience and facilitates enhanced comprehension of pathophysiology. Instructional strategies used throughout the course may include case-based and problem based learning, mini case studies, and electronic based anatomic and clinical correlation to pathophysiology. *Credit: 3 semester hours.*

PHS 112 Histopathology for the Physical Therapist

Examines the basic components of cells in terms of their structure and function. Cells and tissues of greatest importance to physical therapists are studied in detail, with an emphasis on normal cell and tissue structure and function, providing a foundation to study pathophysiological changes that lead to dysfunction. Content on the inflammatory process, wound healing and repair in the human systems is introduced. Embryological content will provide an overview of the development of the body systems followed by normal changes to cells and systems with aging. *Credit: 3 semester hours.*

PHS 113 Pathophysiology for the Physical Therapist

Includes a study of inflammation and repair, infectious and neoplastic disease, and immunologic responses. Students learn pathology incidence, etiology, pathogenesis, and medical management. Emphasis on cardiovascular, integumentary, musculoskeletal, and nervous system disorders encountered in physical therapy. *Credit: 3 semester hours.*

PHS 212; 213 Applied Biochemistry I; II

A course dealing with those aspects of biochemistry of special relevance to students of the health sciences. Emphasis is placed on fundamental metabolic cycles and processes and on biochemical concepts needed to understand drug action and metabolism, biogenetic pathways and various disease states. *Credit: 3 semester hours.*

PHS 239 Functional Neuroanatomy and Neuropathology

This course instructs the student in the anatomy and physiology of the central and peripheral nervous systems and describes the processes by which these systems undergo pathological change. *Credit: 3 semester hours.*

PHS 240 Principles of Electron Microscopy

Corequisite: PHS 240L. This course is intended to instruct the student in the basic techniques of electron microscopy. It also describes the analytical methods used to identify various biological systems. *Credit: 3 semester hours.*

PHS 240L Electron Microscopy Laboratory

Corequisite: PHS 240. This course instructs the student in the preparation of tissue for electron microscopy and the interpretation and analysis of electron micrographs. *Credit: 3 semester hours; 1 credit hour. Current laboratory fee.*

PHS 250 Cell and Tissue Culture

Student is acquainted with cell culture technology as well as biochemical and biophysical characteristics and capabilities of mammalian cells in culture. *Credit: 3 semester hours.*

PHS 250L Cell and Tissue Culture Laboratory

Corequisite: PHS 250. This course is the laboratory component of PHS 250. Hands-on laboratory experiments in cell culture technology are performed by the students. The objective of the laboratory assignments is to expose the student to the biological, biophysical, and toxicological characteristics of mammalian cells in culture. *Credit: 3 semester hours, 1 credit. Current laboratory fee.*

PHS 251 Doctoral Seminar in the Pharmaceutical Sciences I

A monthly seminar for all students pursuing the Ph.D. The seminar consists of scheduled presentations given by scholars in the pharmaceutical sciences. *8 hours per semester. No credit.*

PHS 252 Doctoral Seminar in the Pharmaceutical Sciences II

A monthly seminar for all students pursuing the Ph.D. The seminar consists of scheduled presentations given by scholars in the pharmaceutical sciences. *8 hours per semester. No credit.*

PHS 253 Doctoral Seminar in the Pharmaceutical Sciences III

A monthly seminar for all students pursuing the Ph.D. The seminar consists of scheduled presentations given by scholars in the pharmaceutical sciences. *8 hours per semester. No credit.*

PHS 254 Doctoral Seminar in the Pharmaceutical Sciences IV

A monthly seminar for all students pursuing the Ph.D. The seminar consists of scheduled presentations given by scholars in the pharmaceutical sciences. *8 hours per semester. 1 credit.*

PHS 256 Pharmaceutical Analysis Laboratory

A detailed discussion of the basic principles of pharmaceutical analysis. Special emphasis is placed on the selection and development of qualitative and quantitative methodology for the analysis of drug molecules in a variety of sample environments. *Credit: 3 semester hours.*

PHS 257 Gene Technology in the Pharmaceutical and Health Sciences

Course presents the basic mechanism underlying the expression of the information encoded in the DNA: transcription, translation and replication. *Credit: 3 semester hours.*

PHS 259 Cell Signals and Regulatory Systems

A course covering the elements of regulation at the level of the cell. The intracellular events of signaling, i.e., post-receptor events, are the focus. *Credit: 3 semester hours.*

PHS 260 Clinical Immunology

A detailed discussion of the basic concepts of immunology, immunity and immunopathology. Special emphasis is placed on the aspects of clinical immunology with reference to the theory which underlies laboratory tests and methods of procedure. *Credit: 3 semester hours.*

PHS 261 Laboratory in Gene Technology for the Pharmaceutical and Allied Health Professions

Corequisite PHS 257. The use of modern databases to mine known information and synthesize new conclusions from combined

resources is used as a starting point. The class is divided into groups, each working with a different protein or a mutant of the target protein. *Credit: 3 semester hours, 1 credit. Current laboratory fee.*

PHS 264 Analysis of Cell Structure and Function

Corequisite PHS 264L. A study of cell structure and function including discussions of membrane transport, respiration, cell division and cell motility. Additional topics include enzyme function. DNA, RNA and protein synthesis and their control. Discussion of methods of cell study will be incorporated in specific lecture topics, i.e., membranes, and in laboratory sessions. *Credit: 3 semester hours.*

PHS 264L Analysis of Cell Structure and Function Laboratory

Co-requisite: PHS 263. Laboratory component of PHS 264. *Credit: 3 semester hours. Current laboratory fee.*

PHS 270 Introduction to Biotechnology

This course discusses the basic mechanisms underlying the expression of information encoded in the DNA, i.e., transcription, translation and replication. *3 semester hours, 3 credits.*

PHS 271 Oxidants, Antioxidants and Free Radicals

This course focuses on the involvement of free radicals/reactive oxygen species (ROS) in the pathogenesis of a wide variety of human diseases. *Credit: 3 semester hours.*

PHS 278 Human Physiology

An examination of the principles of human physiology, starting with cellular physiology principles such as membrane transporters and action potentials, and covering several of the key topics of physiology: endocrine, neural, muscle, cardiovascular, respiratory, gastrointestinal, and renal. *Credit: 3 semester hours.*

PHS 280 Regulation of Intermediary Metabolism

The basis for understanding how pathways of intermediary metabolism relate to energy and to one another is presented. Methods for identification of control points, means of control of pathway flow, and how homeostasis is achieved from a biochemical viewpoint are presented. The classical basis of metabolism and current advances are presented. *Credit: 3 semester hours.*

PHS 900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment

of the master's degree requirements. All master's candidates must register for this course until research is completed in order to satisfy research requirements. Although students may register for more than six hours, no more than six credits may be applied toward the degree. *Credit: 3–6 hours per semester. Current laboratory fee.*

PHS 910 Advanced Master's Research

The student will conduct research in their field of study. Results will be presented in the form of a written dissertation. Students may register for this course to a maximum of 2 semesters. *Credit: 1 credit.*

PHS 925 Maintaining Matriculation–Master's

All master's students who are not registered for any other courses must maintain enrollment in the University by registering for this course. Eligibility for thesis option students is limited to students who have satisfied all research and degree requirements but have not completed the written and oral components of the thesis. Thesis option students must have written approval from their advisor, department chairman and permission from the graduate dean to register for this course. *No credit. Current fee.*

PHS 930 Internship in Pharmaceutical Sciences

This course will provide practical knowledge to the student in a field of pharmaceutical sciences through internship in an industrial or non-academic research environment. The internship can be in any aspect of Pharmaceutical Sciences (industrial pharmacy, medicinal chemistry, pharmacology, and toxicology) and will consist of an equivalent of full-time experience for a minimum of 15 weeks during the Spring, Summer, or Fall semesters and may be extended for up to one year. The program of internship study will be developed by the internship mentor and approved by the PHS department. The program of internship study will provide practical application of didactic material associated with the field of pharmaceutical sciences. *Credit: 3 semester hours.*

PHS 940 Maintaining Matriculation–Ph.D.

Ph.D. students must maintain matriculation if they are not registered for courses or have not yet passed their comprehensives. *Limit: 2 semesters. No credit. Current fee.*

PHS 950 Doctoral Research

Original research leading to the doctoral degree. Doctoral students may register for 950 while completing degree requirements;

however, upon the successful completion of formal courses, language requirement and comprehensive examination, doctoral candidates must register for PHS 950 until the dissertation is completed and the degree is awarded. *Credit: 3 semester hours. Current laboratory fee.*

PHS 960 Advanced Doctoral Research

Original research, leading to the doctoral degree. Doctoral students may register for PHS 960 upon the successful completion of formal courses, language requirement and comprehensive examination, and 15 credits of doctoral research PHS 950. Students may register for this course to a maximum of 2 semesters. *Credit: 1 credit.*

TOX 101 Special Problems

Conferences on specialized topics accompanied by laboratory work in toxicology. *Credit: 3 semester hours. Current laboratory fee.*

TOX 102; 103 Toxicology I; II

An introduction to toxicology with emphasis on mechanisms of toxicity and responses of biological systems to chemicals. The source, chemical composition, action, tests and antidotes of toxic substances will be considered. First semester will cover the fundamentals of toxicokinetics and start target system toxicity. Second semester will continue target organ toxicity and provide an overview of agents and environmental, forensic/analytical, and regulatory toxicology. *Credit: 3 semester hours.*

TOX 201 Methods in Toxicologic Evaluation

This course focuses on a variety of experimental methods utilized to determine the safety and toxicity of materials administered by mouth, applied topically to the skin or mucous membranes, or administered by inhalation of gasses or aerosols. *Credit: 3 semester hours.*

TOX 205 Neurotoxicology

This course examines the various classes of neurotoxins, their mechanism of toxicity and experimental models used to assess neurotoxic mechanisms. *Credit: 3 semester hours.*

TOX 207 Recent Advances in Forensic Toxicology

A survey emphasizing recent developments in the field of forensic toxicology. Emphasis is placed on documentation and interpretation of analytical results. *Credit: 3 semester hours.*

TOX 209 Recent Advances in Clinical Toxicology

A survey of current literature, emphasizing recent advances in clinical toxicology. *Credit: 3 semester hours.*

TOX 210 Biochemical Toxicology

An advanced study of the biochemical principles and mechanisms underlying the toxicity of xenobiotics at the cellular level. Biotransformation pathways and the subcellular toxicity of selected toxicants are examined in depth. *Credit: 3 semester hours.*

TOX 215 Analytical Methods in Toxicology

This course considers methods of specimen and sample preparations and extraction and analytical chemical techniques used to solve problems confronting the analytical toxicologist. *Credit: 3 semester hours.*

TOX 216 Environmental and Occupational Toxicology

The chemical and regulatory aspects of environmental and occupational hazards are presented, with an overview of methods in epidemiology and risk assessment. *Credit: 3 semester hours.*

TOX 217 Toxicology of the Hematopoietic and Immune System

This course focuses upon the effects of toxic substances on hematologic and immunologic function. *Credit: 3 semester hours.*

TOX 218 Pathophysiology of Organ Systems (CPP 304)

This course is designed to explain the abnormal physiological processes which result when normal metabolic functions are disturbed. Mechanisms of normal function are described as well as the resulting effect of altered homeostasis. *Credit: 3 semester hours.*

TOX 219 Molecular Toxicology

This course is an advanced study of the specific molecular, biochemical and cellular mechanisms of toxic injury. *Credit: 3 semester hours.*

TOX 222 Cellular Pathophysiology

This course is designed to explain the cellular response to injury. Molecular, biochemical and organelle pathology is discussed in relation to normal cell function. *Credit: 3 semester hours.*

TOX 223 Liver and Kidney Toxicology

This toxicology course will cover the principles and mechanisms underlying the responses of the liver and kidneys to environmental and pharmaceutical agents at the molecular, cellular, and organ levels. Biotransformation pathways, signaling pathways, and the subcellular toxicities of selected liver and kidney toxicants will be examined in depth. Lectures will emphasize current concepts and applied methodologies related to liver and kidney toxicology and safety assessment. *Credit: 3 semester hours.*

TOX 230 Toxicology Journal Club

Seminar for graduate students in pharmaceutical sciences in which discussions focus on published experimental results with a view toward evaluation of methodology and a presentation of data. Participation by graduate faculty and students. *Credit: 2 semester hours.*

TOX 250 Product Safety and Risk Management

This course is designed to provide toxicology graduate students with practical knowledge of applied product safety and risk assessment in the pharmaceutical and consumer products industry. *Credit: 3 semester hours.*

TOX 285 Environmental Health Sciences

Environmental health sciences represents the study of environmental factors including biological, physical and chemical factors that affect the health of a community. The casual links between chemical, physical, and biological agents in the environment and their impact on human health will be discussed. *Credit: 3 semester hours.*

TOX 900 Master's Research

Supervised research leading to the preparation and completion of a thesis in partial fulfillment of the master's degree requirements. All master's candidates must register for this course until research is completed in order to satisfy research requirements. Although students may register for more than six hours, no more than six credits may be applied towards the degree. *Credits: 3–6 semester hours. Current laboratory fee.*

TOX 925 Maintaining Matriculation

All master's students who are not registered for any other courses must maintain enrollment in the University by registering for this course. Eligibility for thesis-option students is limited to students who have satisfied all research and degree requirements but have not completed the written and oral components of the thesis. Thesis-option students must have written approval from their advisor, department chairman and permission from the graduate dean to register for this course. *Current fee.*

For complete listing of approved courses, please contact your Dean's Office.

MHS 101 Gross Anatomy, Embryology & Imaging

Taught in the first semester. This course is a detailed study of the normal structure, development, and organization of the human body. This course undertakes a regional approach rather than a systemic approach to

Human Gross Anatomy, Embryology & Imaging and is distributed amongst three blocks of content. Gross Anatomy structures are studied using video demonstrations, models and 3D imaging platforms. The radiology component of Gross Anatomy serves as the introduction to radiology and prepares the student for further development. Lectures stress the contribution of developmental events leading to gross anatomical organization and correlates this organization with clinically relevant conditions. *Credit: 9 semester hours.*

MHS 102 Physiology I

Taught in the first semester. This course is a comprehensive study of the function of the human body on an organ system basis. Emphasis is on the integration of functions from the cellular level to that of the total organism and the application of physiology concepts to problem solving. This Physiology I course is the first of a two course Physiology series that will collectively provide the students with an in depth education that, upon completion, will give the students a mastery of Human Physiology as it applies to medicine and will prepare them for a career in health care. This first course in the course series will focus on, Membrane and Action Potentials, Synapses and Neuromuscular Junctions, and the Cellular and Systemic Physiology of the Cardiovascular and Respiratory Systems. *Credit: 4 semester hours.*

MHS 103 Medical Biochemistry I

Taught in the first semester. This is the first in a two-course series designed to provide students with a foundation of knowledge in biochemistry with an emphasis on (1) the understanding and maintenance of health and (2) the understanding of effective treatments for disease. Knowledge of metabolic pathways, molecular structures, molecular genetics, and gene expression is critical in the health care profession. Students will receive an in-depth education that, upon completion, will give the students a mastery of biochemistry as it applies to medicine and prepare them for a career in healthcare. Disease states are abnormal manifestations in molecular structures, chemical reactions, or biochemical processes, and biochemical approaches have illuminated many aspects of disease. Successful completion of this course will allow students to: (1) understand the biochemical causes of diseases, (2) participate in the design of effective treatments, (3) participate in the development of screening tests for early diagnosis, (4) assist in monitoring treatment outcomes, and (5) assess responses to therapies. This first course in the series will focus on proteins,

membranes, genetics and their involvement in human disease. *Credit: 5 semester hours.*

MHS 201 Microbiology & Immunology

Prerequisite: All first semester courses: MHS 101, MHS 102 and MHS 103. Taught in the second semester. This course blends Immunology with Microbiology. First, students will develop an understanding of the components of the immune system and how this host defenses system protects use against invading pathogens. Additionally, students will develop an understanding of mechanisms and consequences associated with failures in immune responses. Students will then develop an understanding of the four types of potential pathogens: Bacteria, Viruses, Fungus (mycosis) and Parasites, and the disease progression associated with exposure to these contagions. *Credit: 4 semester hours.*

MHS 202 Physiology II

Prerequisite: All first semester courses: MHS 101, MHS 102 and MHS 103. Taught in the second semester. This Physiology II course is the second of a two course Physiology series that will collectively provide the students with an in depth education that, upon completion, will give the students a mastery of Human Physiology as it applies to medicine and will prepare them for a career in health care. This second course in the two-course series will build upon the principles established in Physiology I and focus on Gastrointestinal, Renal and Endocrine Physiology Systems. *Credit: 4 semester hours.*

MHS 203 Medical Biochemistry II

Prerequisite: All first semester courses: MHS 101, MHS 102 and MHS 103. Taught in the second semester. This is the second in a two-course series designed to provide students with a foundation of knowledge in biochemistry with an emphasis on (1) the understanding and maintenance of health and (2) the understanding of effective treatments for disease. Knowledge of metabolic pathways, molecular structures, molecular genetics, and gene expression is critical in the health care profession. Students will receive an in-depth education that, upon completion, will give the students a mastery of biochemistry as it applies to medicine and prepare them for a career in healthcare. Disease states are abnormal manifestations in molecular structures, chemical reactions, or biochemical processes, and biochemical approaches have illuminated many aspects of disease. Successful completion of this course will allow students to: (1) understand the biochemical causes of diseases, (2) participate in the design of

effective treatments, (3) participate in the development of screening tests for early diagnosis, (4) assist in monitoring treatment outcomes, and (5) assess responses to therapies. This second course in the two-course series will build upon the principles established in Medical Biochemistry I and focus aspects of carbohydrate metabolism, lipid metabolism, nitrogen metabolism and evaluate how metabolic changes affect disease states. *Credit: 3 semester hours.*

MHS 204 Neuroscience

Prerequisite: All first semester courses: MHS 101, MHS 102 and MHS 103. Taught in the second semester. This course is designed to give students in depth knowledge of the functions of the nervous system by understanding the anatomical and physiological components. The course covers neuroanatomy/histology and neurophysiology. *Credit: 5 semester hours.*

MHS 301 Histology and Cell Biology

This course is designed to study different aspects of the internal structure of cells, tissues and organs in the human body, presenting a comprehensive survey of many of their complex interrelationships using histological and cytological analysis via sectioning, staining and microscopy imaging. *Credit: 4 semester hours.*

MHS 302 Medical Ethics

A major component of this course will be to review case studies that involve medical ethics. This course will attempt to provide didactic experiences for students in specific areas within the field of medical ethics. The need for these experiences stems from the recognition that ethical dilemmas are inherent in medical care. Although dramatic issues such as cloning, abortion and organ donation have strong ethical implications, it is important to realize that medical practitioners will face ethical decisions every day. Most everyday ethical questions have well-accepted answers; only the most difficult ethical questions seem to defy resolution. Even so, it is important for medical providers to develop an understanding of the principles of medical ethics and a system of ethical reasoning that will result in consistent decisions. *Credit: 1 semester hour.*

MHS 303 Interprofessional Perspectives in Health Disparities

This course is designed to provide a general overview of gaps in health outcomes associated with health disparities. A special emphasis will be given to the social determinants of health such as race/ethnicity, social class, socioeconomic status, gender,

sexuality, nationality, and migration status. The course will focus on the impact of health disparities' impact at multiple system's levels (e.g. Individual, patient-clinician, healthcare system, etc.). *Credit: 1 semester hour.*

MHS 400 Comprehensive Exam

All MSHS students are required to complete the comprehensive examination.

Department of Clinical Health Professions

Ebtesam Ahmed, *Clinical Professor*; Pharm.D., St. John's University.

Corinne I. Alois, *Assistant Professor Industry Professional*, B.S., St. John's University; M.S., Pace University.

Emily M. Ambizas, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Vibhuti Arya, *Clinical Professor*, Pharm.D., St. John's University.

Carmela Avena-Woods, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Judith L. Beizer, *Clinical Professor*, B.S. Phm., St. Louis College of Pharmacy; Pharm.D., University of Tennessee.

Sandra Beysolow, *Associate Professor Industry Professional*, B.S., Long Island University; M.S. Ph.D., Capella University.

Jennifer Bhuiyan-Qadeer, *Assistant Professor Industry Professional*, Pharm.D., St. John's University.

Nicole Bradley, *Assistant Clinical Professor*, Pharm.D., Massachusetts College of Pharmacy and Health Sciences.

Joseph M. Brocovich, *Associate Clinical Professor*, B.S. Phm., Philadelphia College of Pharmacy and Science; Pharm.D., Duquesne University.

Tina Caliendo, *Assistant Professor Industry Professional*, B.S. Phm., St. John's University, Pharm.D. University of Florida.

Manouchkathé Cassagnol, *Clinical Professor*, Pharm.D., Florida Agricultural and Mechanical University.

Christine Chim, *Associate Professor Industry Professional*, Pharm.D. St. John's University.

Jennifer Chiu, *Associate Professor Industry Professional*, B.S., Binghamton; M.B.A., St. Joseph's College; Ed.D., Dowling College.

Yon Choi-Gomes, *Assistant Professor Industry Professional*

Robina Colclough-Davy, *Clinical Instructor Industry Professional*, B.S., York College; M.S., Long Island University.

Sheryl Comet, *Assistant Professor Industry Professional*, B.S., Syracuse University, D.P.T., Long Island University

John M. Conry, *Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

John Patrick Dorangricchia, *Assistant Professor Industry Professional*, B.S., SUNY Stony Brook, D.P.T., Long Island University

Ali El-Kerdi, *Associate Professor Industry Professional*, B.S., Concordia University, M.S., University of Oregon, M.B.A., Jefferson University, D.P.T., University of Maryland Eastern Shore, Ph.D., Seton Hall University

Gladys M. El-Chaar, *Clinical Professor*, B.A., East Stroudsburg University; B.S. Phm., St. John's University; Pharm.D., Medical University of South Carolina.

Joseph V. Etzel, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Danielle C. Ezzo, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Laura M. Gianni, *Associate Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Regina Ginzburg, *Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Pamela Gregory-Fernandez, *Associate Professor Industry Professional*, B.S., St. John's University, M.S., A.T. Still University.

Olga Hilas, *Professor Industry Professional*, B.S. Phm., Pharm.D., St. John's University.

Mary Ann Howland, *Clinical Professor*, B.S., Wake Forest University; B.S. Phm., Rutgers University; Pharm.D., Philadelphia College of Pharmacy and Science.

Gregory J. Hughes, *Associate Clinical Professor*, Pharm.D., St. John's University.

Elsen Jacob, *Assistant Professor Industry Professional*, Pharm.D., St. John's University.

Samantha Jellinek-Cohen, *Associate Clinical Professor*, Pharm.D., Long Island University.

Tina Kanmaz, *Clinical Professor*, B.A., Hofstra University, B.S. Phm., Pharm.D., St. John's University.

Danielle Kruger, *Associate Professor Industry Professional*, B.S., St. Francis College; M.S.Ed., Capella University.

Alan Lam, *Assistant Professor Industry Professional*, B.Sc., University of Alberta, M.Sc. PT., University of Alberta, D.Sc., Andrews University

Sum Lam, *Clinical Professor*, B.S. Phm., Pharm.D., University of Connecticut.

Francine Laterza, *Associate Professor Industry Professional*,

Chung-Shien Lee, *Associate Professor Industry Professional*, Pharm. D, St. John's University.

Louise Lee, *Associate Professor Industry Professional*, B.S., Stony Brook, M.H.A. St. Joseph's College., Ed.D., Northcentral University.

Yuman Lee, *Associate Clinical Professor*, Pharm.D., St. John's University.

Cynthia Leone, *Associate Professor Industry Professional*, B.S., SUNY Binghamton University, D.P.T., SUNY Stony Brook University

Celia Lu, *Associate Professor Industry Professional*, Pharm.D. St. John's University.

William M. Maidhof, *Associate Professor Industry Professional*, B.S. Phm., Pharm.D., St. John's University.

Nicole M. Maisch, *Associate Clinical Professor*, B.S. Phm., Pharm.D., Albany College of Pharmacy.

Maria Mantione, *Clinical Professor*, B.S. Phm., Pharm.D., St. John's University.

Nissa Mazzola, *Associate Clinical Professor*, Pharm.D., St. John's University.

Teresa Miller, *Associate Professor Industry Professional*, B.S., SUNY Downstate; M.S., St. John's University; Ph.D., Temple University.

Zaidalynet Morales, *Associate Professor Industry Professional*, B.S. Lehman College M.S., St. Joseph's College.

Samantha Moore, *Assistant Professor Industry Professional*, Pharm.D., Massachusetts College of Pharmacy and Health Sciences.

Kimberly Ng, *Associate Professor Industry Professional*, Pharm.D. St. John's University.

Mary Jo Perry, *Associate Professor Industry Professional*, A.S., Northeastern University; B.S., Adelphi University; M.S., Long Island University, C.W. Post College.

Michele Pisano, *Associate Professor Industry Professional*, Pharm.D. St. John's University.

Daniel Podd, *Associate Professor Industry Professional*, B.S., St. John's University; M.S., University of Nebraska Medical Center.

Alyssa Quinlan, *Associate Professor Industry Professional*, B.S. Marist College, M.S. Pace University.

Susan Rabinowicz, *Assistant Professor Industry Professional*, B.S. Physical Therapy, SUNY Downstate Medical Center, M.S., L.I.U. C.W. Post Campus, D.P.T., Touro College, Ph.D., SUNY Stony Brook University

Maha Saad, *Associate Clinical Professor*, B.S., Rosary School Mansourieh, Lebanon; B.S., Phm., Pharm.D., Lebanese American University.

Sharon See, *Clinical Professor*, B.S. Phm., Pharm.D., Rutgers University.

Hira Shafeeq, *Associate Professor Industry Professional*, Pharm.D., St. John's University.

Stacey Singer-Leshinsky, *Associate Professor Industry Professional*; B.S., Brooklyn College, M.S. Ed., Capella University.

Sarah Smith, *Associate Professor Industry Professional*, Pharm.D., University of Kentucky.

Rosa Elena Torres-Panchamé, *Assistant Professor Industry Professional*, B.S./ M.S. Physical Therapy, D.P.T., Long Island University

Damary Torres, *Associate Clinical Professor*, B.S., Phm., Pharm.D., St. John's University.

Gregory Torsiello, *Assistant Professor Industry Professional*,

Jessica Varghese, *Assistant Professor Industry Professional*,

Department of Pharmacy Administration and Public Health

Afolarin Aiyedun, *Assistant Professor Industry Professional*, B.S., SUNY Stony Brook; M.S. and Ed.D., Columbia University.

Yolene Gousse, *Associate Professor Industry Professional*, B.A. St. John's University, M.P.H. Hunter College, City University of New York, Dr.P.H. School of Public Health, State University of New York.

Sen Gu, *Associate Professor*, M.A., M.S., Ph.D., University of Maryland; M.D., Tongji Medical University, China; Pharmaceutical Health Services.

Harlem Gunniss, *Associate Professor Industry Professional*, B.S. and M.P.H., Hunter College; Ph.D., Rutgers University.

Monica Hwang, *Associate Professor*, B.S., Sung Kyun Kwan University, South Korea; M.S., Ph.D., University of Wisconsin; Social and Administrative Sciences in Pharmacy.

Martha L. Mackey, *Associate Professor*, B.A., M.A., J.D., St. John's University; Pharmacy law; pharmacy education.

Jagannath M. Muzumdar, *Associate Professor*, B.S., Mumbai University; M.S., Mississippi State University; M.S., University of Toledo; Ph.D., University of Minnesota; Social and Administrative Pharmacy.

Rajesh Nayak, *Associate Professor*, B.S. Phm., M.S. Phm., Mangalore University; Ph.D., University of Florida; Pharmaceutical outcomes research; evaluation of health care policies and programs; pharmacoeconomics.

Somnath Pal, *Professor*, B.S. Phm., M.S., Jadavpur University; M.B.A., Calcutta University; Ph.D., University of Iowa; Drug utilization studies.

Taehwan Park, *Assistant Professor*, B.S. Pharm. Chung-Ang University, M.S. Seoul National University, Ph.D. University of Minnesota.

Wenchen Wu, *Professor*, B.S., Taipei Medical College; M.B.A., Ph.D., University of Minnesota; Pharmacoeconomics; computer applications in pharmacy; pharmacy management.

Department of Pharmaceutical Sciences

Saurabh Agarwal, *Assistant Professor*, B.S., University of Kanpur, India; M.S., Jiwaji University, Gwalior, India; Ph.D., University of Lucknow, Lucknow, India. Deciphering the biological, genetic, and epigenetic mechanisms in pediatric cancer neuroblastoma. The development of effective targeted therapeutic approaches for cancers, identifying the signaling mechanisms in cancer stem cells, and re-purposing the approved drugs, and development of effective tumor models.

Andrew J. Bartilucci, *Dean Emeritus and Executive Vice President Emeritus*, B.S., Phm., St. John's University; M.S., Rutgers University; Ph.D., University of Maryland.

Blase C. Billack, *Professor*, B.S., University of Richmond; Ph.D., Rutgers University; In vitro and in vivo models of skin toxicity and protection by small molecules.

Pengli Bu, *Assistant Professor*, B.S., Shandong University, P.R. China; M.S., Peking Union Medical College, P.R. China; Ph.D., University of Kansas Medical Center; harnessing herbal medicine for Leydig cell protection and novel biomarker characterization for liver cancer.

Jerome Cantor, *Professor*, B.A., Columbia University; M.D., University of Pennsylvania; Experimental lung pathology.

Joseph M. Cerreta, *Associate Professor*, B.S., M.S., Ph.D., Fordham University; Molecular biology of connective tissue alterations in the lung.

Zhe-Sheng Chen, *Professor*, M.S., Sun Yat-Sen University of Medical Sciences, P.R. China; M.D., Guangdong Medical and Pharmaceutical College, Guangdong Province, China; Ph.D., Institute for Cancer Research, Kagoshima University, Japan; Cancer pharmacology and experimental therapeutics, especially cellular mechanisms of multi-drug resistance and its reversal.

Xingguo Cheng, *Associate Professor*, B.S., M.S., Wuhan University, P.R. China; Ph.D. University of Kansas Medical Center. Mechanistic characterization of actions of therapeutic drugs and environmental chemicals in the liver.

Hyunah Cho, *Assistant Professor*, B.S. Pharm., M.S., Sookmyung Women's University; M.A., Fairleigh Dickinson University; Ph.D., University of Wisconsin-Madison; Nano-based drug delivery systems, 3D-printed dosage forms and drug delivery systems, image-guided surgery, combination chemotherapy, and cosmeceuticals

Russell J. DiGate, *Professor*, B.S., M.S., Ph.D. University of Rochester

Vikas V. Dukhande, *Assistant Professor*, B.S., Mumbai University Institute of Chemical Technology, India; Ph.D., Idaho State University. Pharmacological and biochemical studies of metabolic diseases such as diabetes and cancer.

Sue M. Ford, *Associate Professor*, B.S., Cornell University; M.S., Ph.D., Michigan State University; Use of cell culture to study responses of kidney to toxicants; nutrition.

Marc Gillespie, *Professor*, B.A., University of Vermont, Ph.D., University of Utah; Toxicology, biomarker discovery, and bioinformatics. Development of novel molecular assays, and biocuration of human molecular processes, the Reactome project.

Vivek Gupta, *Associate Professor*, B.S. Pharmaceutical Sciences—Jamia Hamdard University, New Delhi, India, Ph.D., Texas Tech University Health Sciences Drug discovery and delivery for respiratory disorders, Novel drug delivery system, Drug repurposing.

Diane Hardej, *Associate Professor*, B.A., Queens College; M.S., Ph.D., St. John's University; Gastrointestinal and neurotoxicity of pesticides and environmental toxicants

Sei Higuchi, *Assistant Professor*, B.S., Josai University; Ph.D., Fukuoka University; Lipid metabolism on food intake and appetite for treatment of obesity and metabolic disorders.

Vijaya L. Korlipara, *Professor*, B.S. Phm., Banaras Hindu University; Ph.D., University of Minnesota; Design and synthesis of probes for drug targets associated with pain, cancer, and multi-drug resistance.

Nitesh K. Kunda, *Assistant Professor*, B. Pharm (Hons.), Birla Institute of Technology and Science, Pilani; MSc., The School of Pharmacy, University of London; Ph.D., Liverpool John Moores University; Nanotherapeutics against infectious disease and cancer, targeted drug delivery, and drug and vaccine formulation for pulmonary delivery.

Chul-Hoon Kwon, *Professor*, B.S. Phm., Howard University; Ph.D., University of Minnesota; Design, synthesis and evaluation of pro-drugs, especially in anti-tumor agents and anticonvulsants; chemical aspects of drug metabolism and toxicology.

Senshang Lin, *Professor*, B.S. Phm., Taipei Medical College; Ph.D., Temple University; pharmacodynamic, transmucosal drug delivery.

Woon-Kai Low, *Associate Professor*, B.S., University of Waterloo; Ph.D., University of Toronto; Study of eukaryotic control mechanisms of protein translation and the cellular impact of deregulation in disease states.

Lin Mantell, *Professor*, M.D., Beijing University; Ph.D., Stony Brook University; Identifying and characterizing molecular and cellular mechanisms underlying the increased lung injury and infection due to oxidative stress during oxygen therapy.

Ashley Thomas Martino, *Associate Professor*, B.A., California State University Northridge; Ph.D., University of Florida. Viral gene therapy, gene editing and immunology.

Aaron Muth, *Associate Professor*, B.S. SUNY Binghamton; M.A. University of Virginia; Ph.D. University of Central Florida. Discovery of novel inhibitors and subsequent probes of key protein-protein interactions for the treatment and investigation of various cancers.

Raymond S. Ochs, *Professor*, B.S., Purdue University; Ph.D., Indiana University; The control of metabolic pathways by hormones and energy supply; muscle cell culture line and computer modeling.

Ketan Patel, *Assistant Professor*, B.Pharm. Anand Pharmacy College, Anand, India; M.Pharm. Bombay College of Pharmacy Mumbai University, Ph.D. Institute of Chemical Technology, Mumbai, India. Development of tumor targeted nanoparticles of novel class of anticancer molecules and strategies to modulate tumor microenvironment for the treatment of drug resistant melanoma and pancreatic cancer. Abuse deterrent formulation technologies, 3D printed dosage form and pre-exposure prophylaxis for HIV prevention using hot melt extrusion and bilayer film technology.

Jeanette C. Perron, *Assistant Professor*, B.S.; Ph.D., University of Miami. Cellular and molecular mechanisms of BMP signaling in spinal sensory neuron development and other BMP-evoked chemotropic activities.

Sandra E. Reznik, *Professor*, A.B. Harvard University; M.D., Ph.D., Mount Sinai School of Medicine; Molecular mechanisms and novel pharmacotherapeutic approaches to preterm birth and other inflammatory disorders.

Bhagwan D. Rohera, *Professor*, B.S. Phm., M.S., Saugar University; Ph.D., University of Basel, Switzerland; Compaction of powder systems; controlled drug delivery; formulation and process optimization.

Carlos Sanhueza-Chavez, *Assistant Professor*, B.Sc., University of Concepcion, Chile; M.Sc. and Ph.D., University of La Laguna, Spain; Chemical immunology of carbohydrates; targeted drug delivery systems; glycomimetic drugs; carbohydrate-based therapies for neglected and emerging diseases.

Francis A.X. Schanne, *Associate Professor*, B.A., La Salle College; Ph.D., Temple University; Molecular mechanisms of cellular injury and protection.

Abu Serajuddin, *Professor*, B.S. Phm., Dhakra University, Bangladesh; M.S., Columbia University; Ph.D., St. John's University; Industrial pharmacy; Development of novel drug delivery systems, especially for poorly water-soluble drugs, and innovation in processing technologies for solid dosage form.

Emilio Squillante, *Associate Professor*, B.S. Phm., M.S., Ph.D., University of Rhode Island; Supercritical fluids; dissolution, pharmacokinetic and bioavailability studies; drug analysis; transdermal absorption studies.

Tanaji Talele, *Professor*, B.S., University of Pune, India; M.S., Ph.D., Mumbai University, India; Computer-aided design (docking-3D-QSAR) and development of anticancer and antifungal compounds.

Louis Trombetta, *Professor*, B.S., M.S., Ph.D., Fordham University; Metal neurotoxicology and oxidative stress.

Shanzhi Wang, *Associate Professor*, B.S., Jilin University, P.R. China; Ph.D. Texas A&M University. Development of new therapeutics through protein characterization and engineering.

John N.D. Wurpel, *Associate Professor*, B.S., Belmont Abbey College; M.S., Fairleigh Dickinson University; Ph.D., Pennsylvania State University; Effects of neuropeptides on CNS; neurophysiology of seizures.

Sabesan Yoganathan, *Assistant Professor*, B.Sc. Chemistry: McMaster University, Canada; Ph.D. Organic Chemistry and Chemical Biology: University of Alberta, Canada. Development of anticancer, anti-infective and anti-inflammatory natural products through medicinal chemistry and bioactivity guided investigation.

S. William Zito, *Professor Emeritus*, B.S. Phm., St. John's University; Ph.D., University of Connecticut.

Please visit the following webpage for a complete list of our faculty, including current adjunct faculty.

The Lesley H. and William L. Collins College of Professional Studies

Luca Iandoli, B.S., M.S. E., Ph.D.

Interim Dean

Brian K. Harte, B.S.W., M.C.J., Ph.D.

Associate Dean

Geraldine Castelli, B.S., M.S.

Assistant Dean

Theresa Peros, B.S., M.B.A.

Assistant Dean

Objective

The Graduate Division of the Collins College of Professional Studies is a uniquely structured unit within the University offering academic degree programs in professional fields. The College is committed to offering each student an education that prepares that individual to make significant contributions to society, to the local community and to his/her chosen profession. The mission is accomplished by providing an education which is value-oriented and consistent with the historical relationship of St. John's University to the Catholic community. The uniqueness of the College comes from its blend of a strong liberal arts model of education combined with a highly respected professionally oriented curriculum. Throughout each of the college's programs, an enriched intellectual and academic environment is provided, enabling the student to explore and develop an appreciation for truth and within which the value and dignity of the human person is understood and respected.

Academic Status

In addition to the general University policies set forth in this bulletin, the following information specifically applies to the Graduate Division of Lesley H. and William L. Collins College of Professional Studies. Students are expected to meet all of the requirements of their academic programs and should refer to their respective departmental/ divisional listings. Each student must conform to the policies stated in the Student Handbook, which may be obtained from the office of the Dean of Student Life.

Programs of Study

Doctor of Philosophy in Multi-sector Communication

Doctor of Professional Studies in Homeland Security

Master of Professional Studies

- Homeland Security and Criminal Justice Leadership
- Sport Management

Master of Science

- Integrated Advertising Communication
- Computer Science
- Data Science
- Cyber and Information Security
- Healthcare Informatics
- Health Care Systems
- International Communication
- International Hospitality Management

Please visit the College website for the most recent program updates.

Fast Track Programs (Dual Degrees and Pathways)

The Graduate Division of the Collins College, in conjunction with the undergraduate divisions of the Collins College of Professional Studies and St. John's College, offers intense, accelerated fast track degree programs for highly qualified, motivated undergraduate students who demonstrate potential for graduate studies.

These students have the opportunity to complete both the baccalaureate and master's degree in five years of full-time study by enrolling in four approved graduate courses while still an undergraduate. By completing undergraduate requirements during the first four years, students are assured of the bachelor's degree if for any reason they decide not to complete the master's degree.

Graduate level courses that are applied to the baccalaureate degree may not be applied to a graduate degree should the student decide not to seamlessly complete the fast track program.

At the time of application, students must have a minimum of 60 cumulative credits completed, including 12 credits in their major area and must meet the admissions requirements stated on the CCPS Fast Track webpage: <https://www.stjohns.edu/academics/schools/college-professional-studies/programs/ccps-fast-track-programs>

Dual Degree Programs:

- B.S. Communication Arts / M.S. International Communications
- B.S. Criminal Justice / M.P.S. Homeland Security and Criminal Justice Leadership
- B.S. Computer Science / M.S. Data Science

Pathway Programs:

- B.S. Advertising Communication / M.S. Integrated Advertising Communications-*Acct Mgt-Media Only*
- B.S. Communication Arts / M.S. Integrated Advertising Communications

- B.S. Computer Science / M.S. Computer Science
- B.S. Cyber Security Systems / M.S. Cyber and Information Systems
- B.S. Health and Human Services - Healthcare / M.S. Healthcare Systems
- B.S. Health and Human Services – Human Services / M.S. Healthcare Systems
- B.S. Homeland Security / M.P.S. Homeland Security and Criminal Justice Leadership
- B.S. Hospitality Management / M.S. International Hospitality Management
- B.S. Journalism / M.S. International Communication
- B.S. Legal Studies / M.S. International Communication
- B.S. Legal Studies / M.P.S. Homeland Security and Criminal Justice Leadership
- B.S. Public Relations / M.S. Integrated Advertising Communications
- B.S. Public Relations / M.S. International Studies
- B.S. Sport Management / M.P.S. Sport Management

Digital Badges

Collins College offers graduate digital badges. Digital badges are online credentials students can display on a variety of platforms, including LinkedIn, Twitter, Facebook, and a resume or curriculum vita (CV). They demonstrate skill and knowledge in the designated area. Courses applied to badges at St. John's may be applied to masters and graduate certificate programs within the College, with approval of the program director and Dean's Office. If digital badges are earned independently from a full graduate degree as a non-matriculated student, no federal financial aid is available for coursework.

Students must complete all required activities/ classes for the badge they wish to be awarded before badges can be awarded (in progress classes do not count). Students who do not meet all requirements until the end of this semester will receive their badge after their final semester grades are posted and/or other requirements are completed.

For a listing of badges and requirements and to apply for badges, students should visit <https://www.stjohns.edu/academics/schools/college-professional-studies/ccps-student-services/ccps-digital-badges>

Academic Information

Admission Requirements

Applicants must submit the following credentials in conjunction with their applications for admission:

1. Grade Point Average

- **Fast Track:** All Fast Track applicants must have a minimum of 60 cumulative credits completed, including 12 credits in their major area. Additional admission requirements for Fast Tracks are set through each division. For more information visit the CCPS Fast Track <https://www.stjohns.edu/academics/schools/college-professional-studies/programs/ccps-fast-track-programs>.
- **Master's Programs:** All applicants are expected to have evidence of a 3.0 GPA and a 3.0 index in the major field of study. (An applicant whose grade point average is below 3.0 may submit an official copy of his/her GRE scores to support his/her application.)
- **Doctoral Program:** All applicants are expected to have evidence of a 3.0 GPA and a 3.0 index in the major field of study.

2. **Standardized Test Scores:** Some programs require scores for the Graduate Record Examinations (GRE) General Test. (Applicants with at least 30 credits of graduate work and cumulative GPA of 3.5 or greater are exempt from the GRE but submission of scores are strongly recommended.)

3. Letters of Recommendation:

- **Master's Programs:** Two letters of recommendation from individuals who can comment on the applicant's academic abilities and potential to succeed in an academically rigorous graduate program. At least one of these letters must be from an instructor who has taught and evaluated the applicant in an academic setting.
- **Doctoral Programs:** Three letters of recommendation, at least one of which attests to the applicant's research ability.

4. See specific entrance requirements listed in each departmental entry.

Advisement and Registration Procedure

Upon matriculation, students must consult with the department to determine when the advisement period is scheduled and then make an appointment to see their advisor during this period in order that appropriate programming may be arranged. At this time, with the counsel and approval of the advisor, the Graduate Registration Form will be completed.

The University calendar stipulates the periods for Registration. During this period, students must register for their courses for the following semester, since courses with small enrollments may be cancelled or courses with large enrollments may be closed. When registering, the student must present a Graduate Registration Form to his/her advisor in order

to receive a priority code to be used with the University's online registration system. No registration priority codes will be issued without an approved Graduate Registration Form. The Dean's Office reserves the right to withhold priority codes.

New students are registered by the Dean's Office and do not receive priority codes. Students on academic probation must obtain a faculty advisor signature and dean's signature from the Dean's Office prior to registering for any courses. Any changes from the original (i.e., add/drop) registration form must have all signatures. Unauthorized registration may result in being withdrawn from the course.

Non-Matriculated and Special Students

A student who has not met all the admission requirements but has, on the evaluation of the faculty and dean, the potential to pursue graduate studies is considered a non-matriculated student. Non-matriculated students may, upon approval, take a maximum of six credits per semester for a total of 12 credits, with a grade of "B" (3.0) or better in each course. If a student, upon completion of 12 credits, is accepted into a degree program, the Committee on Admission will determine which credits will be applicable to the degree. In any case, no more than 12 credits completed as a non-matriculated student may be applied toward the degree. A non-matriculated student will not be evaluated for admission with any grade of Incomplete (INC) on their transcript.

A student who has met all the admissions requirements (i.e., GPA and solid academic preparation) but who wants to take graduate courses for professional development may request to take courses as a special student. A maximum of 12 credits is permitted as a special student. If a student wishes to be considered for matriculation into a degree program they must file the appropriate application. There is no guarantee that a special student will be matriculated into a degree program.

All students, whether non-matriculated or special, must submit transcripts of all prior academic work, undergraduate and graduate, and complete the appropriate forms. Only those students who are qualified and possess the necessary background will be permitted to enroll in graduate courses.

Transfer of Credit

The general policy of the Graduate Division of the Collins College of Professional Studies pertaining to transfer of credit and advanced standing is as follows:

1. In graduate programs requiring the completion of 30–36 credits, a maximum of six credits may be transferred with the approval of the chair and the dean.
2. In programs leading to the master's or doctoral degree, requiring the completion of 37–54 credits, a maximum of nine credits may be transferred with the approval of the chair and the dean.

3. In programs leading to the master's or doctoral degree, requiring the completion of 55 or more credits, a maximum of 12 credits may be transferred with the approval of the chair and the dean.
4. Students enrolled in the doctoral program may request advanced standing for coursework completed in fulfillment of a previously earned graduate degree. The number of advanced standing credits permitted is contingent upon assessment of the previously earned credit in accordance with the department and the Dean's Office. All doctoral students in the Collins College of Professional Studies must complete a minimum two-thirds of the total number of credits beyond the master's degree at St. John's University.
5. Requested transfer credits must not have already been used in fulfillment of another degree. The student must present catalog descriptions of the graduate courses for which transfer credit is requested. No credit will be allowed for courses in which the grade attained is below "B" (3.0) Transfer grades do not affect cumulative quality points. In addition, no degree credit will be allowed for courses completed beyond the stipulated time limit ("Time Limit").

Incomplete ("INC") Grades

Students receiving an "INC" (Incomplete) grade must submit all required materials no later than the deadline indicated in the Academic Calendar in the front of this bulletin. All "INC" grades not removed by the deadline will become permanent on the transcript. In some cases, it may be necessary for the student to repeat the course involved. The student must request a grade of incomplete from the professor before the end of the semester.

Requests for an extension of the INC grade must be filed in the College Dean's Office. Faculty hold the prerogative in establishing a date earlier than identified in this bulletin. All materials must be submitted to the Graduate Division the College Dean's Office by the set deadline. The materials submitted will be forwarded to the faculty member for review.

Scheduling of Courses

Departments strive for accuracy with regard to the scheduling of courses. They reserve the right, however, to alter the schedule as needs may dictate. Moreover, the dean maintains the right to cancel courses when deemed necessary.

Candidacy

A doctoral student acquires the status of "candidate" after he or she has successfully completed: 1) all coursework excluding

Dissertation Research (800 series), 2) the comprehensive examination; and 3) approval of a dissertation topic by a department faculty committee and the dean.

Doctoral Dissertation and Master's Thesis

A dissertation which demonstrates a student's capability for original scholarly contributions to their field of study is required for the conferral of a doctoral degree. The dissertation is considered a criterion of the student's scholarly attainment and will largely determine his/her final success in reference to the degree. The responsibility for a well-organized presentation of personal research (as well as the details involved) rests entirely with the student and is not part of the instructional responsibility of faculty members. Dissertations must be prepared, defended, and submitted following specific procedures and guidelines which are available from the program coordinator or division chair.

Some divisions may require a thesis for the master's degree. Students should consult their program coordinator or division chair to ascertain if this is required or optional. The master's thesis should offer evidence of sound research and an adequate treatment of a well-defined subject. A mere essay or compilation of facts will not be accepted. The thesis must be written on a subject comprehended under the major and approved by the mentor and the departmental committee. The responsibility for a well-organized presentation of personal research rests with the student and is not part of the instructional responsibility of faculty members. Master's theses must be prepared and submitted following specific procedures and guidelines which are available from the program coordinator or division chair.

Completion Requirements

All candidates admitted to any master's program offered through the Collins College of Professional Studies must complete all degree requirements within five years of commencing study and must complete with a minimum average of "B" (3.0 GPA).

Division of Administration and Economics

Program of Study

Master of Science in International Hospitality Management

The Master of Science Degree program in International Hospitality Management enables students to increase their managerial hospitality expertise, through study and research, in several newly developing specialty areas. M.S. degree graduates will offer increased executive

talent and value to hospitality organizations employing them.

The hospitality industry encompasses a wide range of businesses; hotels, restaurants, travel agencies, convention centers, resorts, and more. Those with masters' level education in hospitality are increasingly preferred as management employees, because with their advanced education and professional experience, they can quickly enter advanced management positions. Today, the global arena of hospitality offers people with advanced degrees executive opportunities anywhere in the world.

Admission Requirements

Admission to the M.S. in International Hospitality Management is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance and letters of recommendation and other factors that suggest academic potential and motivation.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended showing the College qualifying GPA; two to three letters of recommendation from instructors/professors or other qualified individuals, and a statement of purpose.

Program Requirements

The M.S. program in International Hospitality Management requires 30 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit).

Core (18 credits required)

- IHM 100 International Hospitality Management
- IHM 101 Revenue Management in the International Hospitality Industry
- IHM 103 Delivering Successful Customer Service
- IHM 104 Marketing and Sales in International Hospitality Management
- IHM 108 Hospitality Analytics and Decision Making
- IHM 504 IHM Internship: Professional Experience

Elective Courses (12 credits chosen from the following)

- IHM 102 Hospitality Business Law and Risk Management
- IHM 105 Social Media Analytics and Technology in Hospitality
- IHM 106 Economics of Travel and Tourism
- IHM 110 International Financial Hospitality Management
- IHM 111 Event and Festival Management

- IHM 112 Strategic International Hospitality Leadership
- IHM 113 Human Resources and Labor Relations in International Hospitality Management
- IHM 114 Quality, Ethics and Service Excellence in the Hospitality Industry
- IHM 115 Serving the Special Needs Customer in International Hospitality
- IHM 116 Ecotourism and Sustainability in International Hospitality Management
- IHM 117 Hospitality Management and Patient Experience
- IHM 500 Selected Topics in International Hospitality Management (Research Course) *
- IHM 505 Internship II
- IHM 508 International Hospitality Management Internship I
- IHM 509 International Hospitality Internship II

Courses

IHM 100 International Hospitality Management

Prerequisite: None. The students will develop an understanding of how regions and cultures impact the hospitality industry. Through the use of managerial techniques these cultural and ethical differences may be managed to produce an international plan to organize the larger corporate hospitality industry global efforts. *Credit: 3 semester hours.*

IHM 101 Revenue Management in the International Hospitality Industry

Prerequisite: 3 credits in undergraduate Accounting. The course centers on understanding International Hospitality Accounting and Finance. Hospitality managers utilize accounting techniques to help them grow in this expanding environment. Hospitality Management today is more cost and profit conscious. Hospitality managers are focused on increasing their revenue, minimizing costs, and maximizing profit levels, without affecting the quality of service they provide. *Credit: 3 semester hours.*

IHM 102 Hospitality Business Law and Risk Management

Prerequisite: None, a basic course in business law is preferred. Business law in the hospitality industry and risk management; topics include basic contracts and breach of contract, civil rights, negligence, innkeeper and guest rights, and employment of staff, full-time and seasonal, in hospitality venues in the United States and abroad. Risk, liability and insurance are considered; accidental injuries, crimes against guests, e.g., assault and rape, break-ins and theft from rooms, discriminatory issues involving both employees and guests, payment issues, and prevention of liabilities. *Credit: 3 semester hours.*

IHM103 Delivering Successful Customer Service

An examination of the essentials of outstanding customer service. Focused on excellent marketing and hospitality companies who have defined the best in customer service around the world. *Credit: 3 semester hours.*

IHM 104 Marketing and Sales in International Hospitality Management

An examination of the role and activities in marketing hospitality products for the domestic and global arena. Areas covered are the blended hospitality and tourism industry and the strategic process of developing the marketing campaign to address this market. Other areas addressed are identifying marketing environments, consumer preferences and buying behavior, building brand value awareness, internally and externally strategic development of the marketing mix elements including product, price, placement and promotion. *Credit: 3 semester hours.*

IHM 105 Social Media Analytics and Technology in Hospitality

Prerequisite: IHM 101 OR IHM 104 Monitoring customer opinions and developing effective strategies to improve service quality are critical in the hospitality businesses. Students of this course learn benefits and skills of emerging social media analytics to collect and analyze big data from major social media sites. Applying the approaches for case projects, students develop hospitality management and marketing abilities to satisfy customers and enhance the brand reputation. *Credit: 3 semester hours.*

IHM 106 Economics of Travel and Tourism

Applications of economic analysis to travel and tourism including estimation and prediction of demand and supply; structure of competition among suppliers of tourism services; determination of regional economic impacts; regulation in the tourism industry; tourism's impact on the environment; and sustainable tourism development. *Credit: 3 semester hours.*

IHM 108 Hospitality Analytics and Decision Making

Prerequisite 3 credits in IHM or MGT. Contemporary hospitality managers are required to be able to analyze and interpret quantitative data generated from the operation systems for the strategic decision making. This course will offer how to find a problem, design a project, analyze quantitative data, and create a report or a presentation to help decision-making processes. Students will learn how the system for customers, employees, and organizations can work effectively. Analytics and technical skills will be stressed. *Credit: 3 semester hours.*

IHM 110 International Financial Hospitality Management

An examination of various financial instruments, structures, and strategies by which hospitality industry operates. Topics to be covered include: basic financial concepts; reporting requirements for the hotel and tourism industries; methods of raising capital; the time value of money; budgeting; and forecasting; sources and uses of working capital. Concepts and operations of foreign exchange markets; international financial markets. *Credit: 3 semester hours.*

IHM 111 Event and Festival Management

Event and festival management is one of the fast-growing industries and requires professional and skillful leaders. This course is designed for students who seek managerial positions to effectively plan and execute events and festivals. Students not only learn significant trends and issues in the real world but also develop critical and quantitative thinking skills to improve the management and marketing processes. Lectures to learn essential theories, discussions to find effective actions, and guest-speakers/field-trip to meet the real world are offered. *Credit: 3 semester hours.*

IHM 112 Strategic International Hospitality Leadership

Students will learn how to develop and implement global strategies. They will develop and understand how regions and cultures impact multinational hospitality industries. *Credit: 3 semester hours.*

IHM 113 Human Resources and Labor Relations in International Hospitality Management

Research and analysis of human resources globally. Planning, recruiting, hiring, appraising, training, and terminating employees. Employee motivation strategies in various hospitality industry work settings. Labor union and non-union policies, practices and challenges. *Credit: 3 semester hours.*

IHM 114 Quality, Ethics and Service Excellence in the Hospitality Industry

Hospitality executives and managers who want to implement a successful guest-focused organization within a competitive customer-driven market will learn how to organize and manage quality service in the hospitality industry. *Credit: 3 semester hours.*

IHM 115 Serving the Special Needs Customer in International Hospitality

Introduction to providing hospitality for disabled customers in a variety of settings. Included are US and international policies and laws such as ENAT; types of customer needs and the care necessary; handling crises; accessibility in architecture and universal design for safety and comfort; planning ongoing

training for employees in providing quality service to the disabled. *Credit: 3 semester hours.*

IHM 116 Ecotourism and Sustainability in International Hospitality

An examination of sustainable practices in the hospitality industry. Areas include eco-design, energy savings strategies, waste management, green marketing, and the growing popularity of eco-vacations. Students will review the scholarship in the field and the work of organizations such as The International Ecotourism society, The Nature Conservancy and many more groups and societies dedicated to sustainable hospitality practices, environmental preservation, and culturally sensitive travel. *Credit: 3 semester hours.*

IHM 117 Hospitality Management & Patient Experience

The course centers on understanding the hospitality management efforts which focus on driving performance excellence, organizational efficiency, and positive experience outcomes in a hospital setting. *Credit: 3 semester hours.*

IHM 500 Selected Topics in International Hospitality Management

Students will complete case studies that improve critical thinking and problem solving skills. This course helps students transition from thinking like students to thinking like managers and supervisors. *Credit: 3 semester hours.*

IHM 504 Internship I: Professional Experience

Permission of program coordinator required. An off-campus experience with a professional hotel, restaurant, food service or tourism organization with supervised practical experience to further prepare IHM major for their professional careers. *Credit: 3 semester hours.*

IHM 505: Internship II

Prerequisite: Permission of chair or program coordinator. A second off-campus experience with a professional Hotel, restaurant, food service, or tourism organization with supervised practical experience to further prepare IHM students for their professional careers. *Credit: 3 semester hours.*

IHM 508 International Hospitality Management Internship I

Permission of program coordinator is required. Open only to Study Abroad students. Language Requirement. IHM students will experience an international unpaid Internship with a hotel in France, Italy and Ireland, and a semester abroad. This practical experience will help prepare HMT majors for their professional careers. *Credit: 6 semester hours.*

IHM 509 International Hospitality Internship II

Permission of program coordinator is required. Open only to Study Abroad students.

Language Requirement. IHM students will experience an international unpaid Internship with a hotel in France, Italy and Ireland, and a semester abroad. This practical experience will help prepare HMT majors for their professional careers. *Credit: 3 semester hours.*

Innovation

The following courses are part of the Master of Entrepreneurship and Innovation offered through the Tobin College of Business.

INN 100 Foundations in Social Entrepreneurship

Social Entrepreneurship is a rapidly developing and changing field in which business and nonprofit leaders design, grow, and lead mission-driven enterprises to help solve societal challenges typically ignored by commerce.

This course offers an introduction to the field of social entrepreneurship and the tools and tactics used by social ventures. As the traditional lines blur between nonprofit enterprises, government, and business, it is critical that business students understand the opportunities and challenges in this new landscape. This course will not address how to start a social driven business/institution, but also how it is possible for major companies to move social responsibility from a cost center to a profit center. This course will therefore address through case discussions, lectures, readings, guest speakers, and student presentations this emerging field. Students will be expected to develop a business plan for a social enterprise or a plan/strategy for a already existing company to move its social responsibility function to a profit center. Given that the field of social entrepreneurship is at its early stages of development this course will draw upon some still developing case studies. *Credit: 3 semester hours.*

INN 200 Introduction to Innovation and Entrepreneurship

Entrepreneurship and innovation are the principal source of jobs and wealth in market economies. This course is concerned with entrepreneurship, with a special emphasis on introducing students to basic thinking in the areas of innovation and entrepreneurship.

Technology transfer will also be addressed to a lesser degree; this is the process of taking innovations out of laboratories and finding commercial applications for those technologies. The course is also concerned with explaining "how" entrepreneurship takes place as well as "why" it takes place. The "how" of new venture development is related to the entrepreneurial process (innovation, technology transfer assessment, business plans, fund raising, launching of the enterprise, and the harvest or selling of the enterprise).

Research in this area is rich, comes out of the discipline of Management and, tends to concentrate on case studies and best practices. The "why" of entrepreneurship is concerned with why people and groups of people engage in the entrepreneurial process. The course brings together both the Business side of entrepreneurship research and the Liberal Arts side of new venture development. The course thus concentrates on the entrepreneurial process as well as the history and theoretical and practical aspects of new venture developments. *Credit: 3 semester hours.*

INN 320 Digital Technologies for start-up creation and launch

Prerequisite: INN 200. This course teaches students how to leverage digital technologies in the process of creation of a new venture, from the idea and opportunity recognition stage to intellectual property protection, production, marketing and distribution. Students learn how digital tools such as social media, 3D printing, open-source software and hardware, crowdsourcing, crowdfunding, and digital imaging can reduce the barriers between invention and the creation of a new company and how they can be integrated into a lean start-up/agile approach for the creation of a new start-up. *Credit: 3 semester hours.*

INN 322 Information Technology for Small Business Management

Prerequisite: INN 200. The course is designed to provide an overview of how small businesses, small non-profit organizations, and other types of start-ups can use information technology strategically to grow their enterprises. Students will be introduced to the work of information technology units, small and large, and will learn how to select, source or deploy technical solutions to manage the operations of small organizations. The course is built with a focus on small and medium sized organizations that need to manage their operations, and spans firms from the small-office-home-office (SOHO) to small businesses with less than five hundred employees. A mix of strategies such as in-house development, shared-services, and sourcing from multiple vendors will be explored with attention to technology trends that will open new opportunities for enterprise growth. *Credit: 3 semester hours.*

Division of Computer Science, Mathematics and Science

Master of Science in Computer Science

The employment landscape for computer science-related professions is strong.

Technology generally (and computer science specifically) dominate the job market, in terms of necessary skills for success in virtually all career areas.

Students who enroll in the Computer Science graduate program will achieve knowledge and competency in the core areas of advanced database system design, compiler design, algorithms and theory of computation, software design and architecture, and distributed operating systems. Students will be able to choose from a variety of elective courses in mobile applications, cryptography, machine learning, and robotics; and they will select specializations in data mining and predictive analytics, software development, artificial intelligence, or cybersecurity.

Admission Requirements

Admission to the program is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. This assessment will be made by examining previous academic performance, letters of recommendation, the applicant's essay, work experience, performance on standardized exams (such as the GRE), and any other evidence that the admissions committee believes to be relevant.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended showing the College qualifying GPA; two to three letters of recommendation from instructors/professors or other qualified individuals, and a statement of purpose

In addition to the standard University and College admission requirements, all applicants must meet the following minimum requirement:

- Successful completion of courses in Calculus I/II, Discrete Mathematics, Algorithms and Data Structures, Programming I/II; or at the division's discretion,
- GRE scores in verbal reasoning, quantitative reasoning, and analytical writing within 5 years of application; top 50th percentile on GRE Quantitative Reasoning is required.

Bridge program

Students who do not meet the minimum course prerequisites, at the division's discretion, would be required to take the corresponding undergraduate equivalent courses offered at St. John's University Collins College of Professional Studies; and/or one or more of following bridge courses: Intensive Programming I/II (CUS 501/CUS 503) and Mathematics for Computer Science (CUS 504).

Program Requirements

The M.S. program in Computer Science requires 30 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit.)

Core Required Courses (12 credits required)

- CUS 710 Compiler Design
- CUS 715 Algorithms and Theory of Computation
- CUS 720 Software Design and Architecture
- CUS 730 Distributed Operating Systems

Core Elective Course (3 credits chosen from the following)

- CUS 510 Database Management Systems.
- CUS 725 Advanced Database Management Systems

Elective courses (9 credits chosen from the following)

- CUS 610 Data Mining and Predictive Modeling I
- CUS 615 Data Mining and Predictive Modeling II
- CUS 635 Web Data Mining
- CUS 680 Distributed Big Data Analytics I
- CUS 681 Distributed Big Data Analytics II
- CUS 750 Robotics
- CUS 752 Machine Learning
- CUS 754 Computer Vision and Applications
- CUS 640 Natural Language Processing
- CUS 740 Software Testing and Quality Assurance
- CUS 742 Mobile Application Development
- CUS 744 Software Engineering
- CUS 746 Secure Software Development

Option Courses (6 credits from one of the following options)

- Research Option: CUS 795 Master's Thesis I and CUS 796 Master's Thesis II
- Applied Option: CUS 790 Master's Capstone Project and 3 credits in a specialized area

Specializations

The M.S. in computer science program elective courses are organized in specialization areas to allow students to tailor their degree to fit their academic and professional goals. Students, can elect to concentrate on a particular specialization by completing 3 elective courses within that specialization area. Current specializations include: Data Science Artificial Intelligence, Cybersecurity and Software Development.

Courses

CUS 501 Intensive Programming I

An intensive treatment of programming techniques, algorithmic problem solving, and software design. Topics include fundamental data types, objects and classes, control structures, arrays, and object-oriented design. *Credit: 3 semester hours.*

CUS 502 Intensive Programming II

Prerequisite: Intensive Programming I. Introduction to data structures concepts, including lists, stacks, queues, and trees using Java. Students will learn how to implement algorithms to perform specific tasks such as sorting and searching, and will also explore the use of graphical user interfaces. *Credit: 3 semester hours.*

CUS 504 Mathematics for Computer Science

Introduction to the concepts of mathematics for computer science with emphasis on limits, derivatives, exponential and logarithmic functions, discrete (abstract) structures of computer science including an introduction to logic, proofs, sets, relations, functions, counting, and probability. *Credit: 3 semester hours.*

CUS 710 Compiler Design

Prerequisite: Intensive Programming II. Compiler concepts, techniques, and tools for syntax-directed translation of high-level programming languages into executable code. Students will learn how to design finite state machines, context free grammars, and lexical scanners. They will implement compiler parsing techniques, abstract syntax trees, symbol tables, intermediate machine representations, and generate code to build a compiler. *Credit: 3 semester hours.*

CUS 715 Algorithms and Theory of Computation

The design of algorithms, along with analysis and comparison of the complexity of different types of algorithms, is a fundamental area in computer science. Techniques for algorithm design including greedy algorithms, divide and conquer, and dynamic programming will be covered. Computability theory, including NP-completeness, will be studied and demonstrated with classic problems. Topics will also include review of sorting algorithms and graph algorithms. *Credit: 3 semester hours.*

CUS 720 Software Design and Architecture

Prerequisite: Knowledge of programming in an object-oriented programming language. An in-depth course on software design, design patterns, software frameworks, and software architectures. Topics will include common software design methodologies, choosing and implementing design patterns in the context of real software systems,

working with typical software frameworks, and software architectures such as layered systems, message oriented middleware, service oriented architectures, and event-based architectures. *Credit: 3 semester hours.*

CUS 725 Advanced Database Management Systems

Prerequisite: Database Management course or CUS 510. Advanced topics in database management systems, including non-relational database systems, distributed database systems, and security, as well as advanced indexing, query optimization and concurrency control strategies that support nontraditional database systems. Additional topics may include cloud databases, advances in database systems for very large datasets, multimedia databases, and spatial databases. *Credit: 3 semester hours.*

CUS 730 Distributed Operating Systems

Prerequisite: Computer Science degree or CUS 502. Distributed operating systems, including their principles and methods, system architectures and models, inter-process communication, distributed file systems, transaction and concurrency control. Students will learn how to implement algorithms for distributed operating systems using the SCALA programming language. *Credit: 3 semester hours.*

CUS 740 Software Testing and Quality Assurance

Prerequisite: CUS 720. An introduction to software quality assurance and testing for software engineering professionals to gain a greater understanding of the key ingredients in creating and/or managing a successful testing program to meet project needs. Topics covered include: test life-cycle planning, test design and coverage analysis, complexity, levels of testing such as unit, integration, system, performance and stress testing. *Credit: 3 semester hours.*

CUS 742 Mobile Application Development

Prerequisite: Undergraduate data structure course or CUS 502. An introduction to the unique requirements and methodologies necessary for developing dedicated and client-server applications that target smartphones, tablet computers, and other mobile devices. Topics covered include user interface design with XML and combine with functional programming with Java, power requirements, and voice, image, video communications. *Credit: 3 semester hours.*

CUS 744 Software Engineering

Prerequisite: CUS 720. Methods for the design and implementation of large software systems. Software lifecycle, design processes, requirements, project management, testing, metrics, and reliability and usability are among the topics covered. Students will participate in a team-based software project. *Credit: 3 semester hours.*

CUS 746—Secure Software Development

Prerequisite: knowledge of programming. Design and implementation of secure software systems from a software engineering perspective. We will look at security topics across the software development lifecycle, from requirements, threat models, architectural design, secure coding, testing, and security patterns. *Credit: 3 semester hours.*

CUS 748 Cryptography and Privacy

Classical systems, information theory, mathematical background for cryptography, symmetrical crypto-systems, block ciphers, stream ciphers, DES, Advanced Encryption Algorithm (AES), hash functions and message authentication (MAC), asymmetric cryptosystems, RSA and El Gamal, digital signatures, elliptic curves, provable security. *Credit: 3 semester hours.*

CUS 750 Robotics

Prerequisite: Programming Language skills in Java/Python/C or CUS 502 or permission of the instructor. An introduction to the fundamentals of mobile robotics, examining the basic principles of locomotion, kinematics, sensing, perception, and cognition that are key to the development of autonomous mobile robots. Emphasis is placed on the software control issues of autonomous mobile robotics. *Credit: 3 semester hours.*

CUS 752 Machine Learning

Prerequisite: Programming Language skills in Java/Python/C or CUS 502 or permission of the instructor. An overview of several supervised and (semi/un)supervised learning approaches including methods for learning linear representations, on-line learning methods, Bayesian methods, decision-tree methods, kernel based methods and neural networks methods, as well as clustering and dimensionality reduction techniques *Credit: 3 semester hours.*

CUS 754 Computer Vision and Applications

Prerequisite: Linear Algebra, Vector Calculus, Probability, programming language skills in Python/Java or permission of the instructor. Introduction to computer vision and applications, including fundamentals of image formation, camera imaging geometry, feature detection and matching, stereo, motion estimation and tracking, image classification, scene understanding, and deep learning with neural networks. Applications include: finding known models in images, depth recovery from stereo, camera calibration, image segmentation, automated alignment, tracking, boundary detection, and recognition. *Credit: 3 semester hours.*

CUS 790 Master's Capstone Project

Prerequisite: Program coordinator's approval. Data mining, web mining, and text mining methods will be applied in the context of a software system. Students will design and build a working software implementation. Domain

applications may be in areas such as business and management, finance and economics, medicine and healthcare, social network mining, e-government and education. *Credit: 3 semester hours.*

CUS 794 Special Topics in Cyber-Security

Prerequisite: Program coordinator's approval. Selected topics from recent advances in cyber security and related technologies. Course content will vary from year to year. *Credit: 3 semester hours.*

CUS 795; 796 Computer Science Master's Thesis I & II

Prerequisite: CUS 795 is a pre-requisite for CUS 796. A two-semester sequence of research and writing, resulting in the student's submission of a graduate research thesis. This sequence should be taken in the student's last year of study. The computer science faculty member who serves as the student's thesis advisor will work with the student to assist in developing a research plan, guide the student's research and preparation of a thesis topic, and also approve the thesis topic selected. *Credit: 3 semester hours each course.*

CUS 798 Computer Science Internship

Prerequisite: Permission of program coordinator. Supervised practical experience to prepare graduates for their professional careers. *Credit: 3 semester hours.*

Master of Science in Cyber and Information Security

The M.S. in Cyber and Information Security at St. John's University is a 30-credit master's program that combines cybersecurity and information science. It is designed with cybersecurity specialists, IT enterprise professionals, and data scientists in mind. However, the knowledge it provides can serve the cybersecurity skills needs of the wider community of IT managers and computer professionals.

Given the pervasive nature of cyber threats this master's program gives students an edge in the job market and the world around them. It appeals to students who want to become cybersecurity specialists as well as data scientists already in the field who need to upgrade their skills. It is designed to accommodate both students with undergraduate degrees in IT and Computer Science as well as career changers.

Admission Requirements

Admission to the program is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. This assessment will be made by examining previous academic performance, letters of

recommendation, the applicant's essay, work experience, performance on standardized exams (such as the GRE), and any other evidence that the admissions committee believes to be relevant.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended, showing the College qualifying GPA; two to three letters of recommendation from instructors/professors or other qualified individuals, and a statement of purpose.

In addition to the standard University and College admission requirements, all applicants must meet the following minimum requirement:

- Submission of an updated resume/curricula vitae.
- A personal statement explaining the student's career objectives, interests, and academic and professional background that are relevant to the degree program.
- Evidence of base knowledge of programming and networking. This knowledge can be demonstrated via transfer courses, undergraduate studies, work experience or industry certifications. Deficiencies can be made up by taking undergraduate, graduate or other comparable courses; conditional admission may be extended to these candidates.

Note: The program coordinator or chair will make final evaluation of all student applications.

Program Requirements

The M.S. program in Cyber and Information Security requires 30 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit.)

Core Courses (12 credits required)

- CYB 611 Foundations in Cybersecurity
- CYB 615 Protection of Digital Infrastructure (Network Security)
- CYB 621 Cybersecurity Laws, Regulations and Best Practices
- CYB 625 Principles of Secure Scripting and Cryptography

Elective courses (9 credits chosen from the following)

- CYB 711 Intrusion Detection and Analysis
- CYB 715 Penetration Testing and Ethical Hacking
- DFR 711 Cyber-Forensic and Malware Analysis
- CUS 510 Database System Design and Data Warehousing
- CUS 610 Data mining and Predictive Modeling

- CUS 680 Distributed Big Data Analytics
- CUS 752 Machine Learning
- IT 711 Enterprise Architecture and IT Governance
- IT 715 System Analysis and Process Re-engineering
- IT 721 IT Project Management and Agile Methodologies

Option Courses (6 credits from one of the following options)

- **Thesis Option:** CYB 795 Thesis I and CYB 796 Thesis II
- **Capstone Option:** CUS 790 Master's Capstone Project and 3 credits in additional electives

Elective Course: (3 credits)

With their advisor, students will have the opportunity to choose up to 3 credits of elective courses depending on pre-requisites and their selection of the thesis or capstone option to fulfill their 30-credit requirement. The following courses can also be applied as electives: HLS 102, 103, 108,301, 302, 303, 305, 306, 307, 312, CYB 798,CUS 620, CUS 752, NET 510

Specializations

The M.S. in Cyber and Information Security program elective courses are organized in specialization areas to allow students to tailor their degree to fit their academic and professional goals. Students can elect to concentrate on a particular specialization by completing 9 electives within that specialization area. Current specializations include Cyber Security: (CYB 711, 175, DFR 711), Data and Analytics, (CUS 510, 680, 610) or IT Enterprise (IT 711, 715, 721).

Courses

CYB 611 Foundations in Cyber Security

An understanding of cybersecurity and an understanding of the elements needed to achieve adequate security with objectives and mechanisms for attaining these will be discussed, including cryptography, authentication systems, Public Key Infrastructure, and platform and network security mechanisms. This course will look at common TCP/IP applications and discuss their security vulnerabilities. Material will be presented in a framework of understanding and mitigations of business risks. *Credit: 3 semester hours.*

CYB 615 Protection of Digital Infrastructure (Network Security)

A practical survey of network security applications and standards. The emphasis is on applications that are widely used on the Internet and corporate networks. Widely deployed Internet standards will also be examined. *Credit: 3 semester hours.*

CYB 621 Cybersecurity Laws, Regulations and Best Practices

All current Federal and International laws and regulations related to private sector and civilian government engagement in cyberspace will be covered. The course will focus on their application to protect the identities, properties and privacy in a real time environment of armed conflict in evolving cyber domains. *Credit: 3 semester hours.*

CYB 625 Principles of Secure Scripting and Cryptography

Methods for maintaining security and integrity of computer data; mathematical treatment of contemporary topics in cryptography; overview and selected topics in data security. *Credit: 3 semester hours.*

CYB 711 Intrusion Detection and Analysis

Examination of the principles of Intrusion Detection and Prevention Systems (IDPS). Students learn to analyze networks looking for anomalous traffic, monitor network flow and to take action based on prescribed rules when an issue is identified. Students will learn to configure IDPS systems and evaluate their output. Both wired and wireless networks will be studied. The course will also examine how Artificial Intelligence (AI) and Machine Learning are being integrated into next-generation systems. *Credit: 3 semester hours.*

CYB 715 Penetration Testing and Ethical Hacking

Exploration of the exploitation capabilities such as offensive PowerShell tools and techniques, enterprise servers, database vulnerabilities, Active Directory delegation, kernel exploits, cron jobs, VLAN hopping, and Docker breakouts. Students will walk through managing vulnerabilities and learn to ensure endpoint protection. *Credit: 3 semester hours.*

CYB 790 Capstone/Practicum/Thesis

Prerequisite: completion of core courses and program coordinator's approval. Designing and developing a project under the guidance of the faculty member on a topic in cybersecurity or information security. Domain applications may be in areas such as business and management, finance and economics, medicine and healthcare, social network mining, e-government and education. *Credit: 3 semester hours.*

CYB 795 and CYB 796 Cyber and Information Security Master Thesis I, II

Prerequisite: CYB 795 is a pre-requisite for CYB 796. A two-semester sequence of research and writing, resulting in the writing and submission of a graduate research thesis. Normally taken in the student's last year of study. The computer science faculty member who serves as the student's thesis advisor will work with the student to assist the student in developing a research plan, guide the student's research and his or her preparation of a thesis topic, and also approve the thesis topic selected. *Credit: 3 semester hours.*

CYB 798: Cyber and Information Security Internship

Pre-requisite: Minimum GPA of 3.2 with permission of the program coordinator. Supervised practical experience to prepare graduates for their professional careers *Credit: 1-3 semester hours.*

DFR 711 Cyber-Forensic and Malware Analysis

An introduction to advanced digital forensics topics including malicious software (malware) and its analysis. Students will gain hands-on experience using both open source and commercial software tools in a digital laboratory environment. Students will study the forensic characteristics of Windows, OSX, and Linux platforms. Reverse engineering techniques utilized to conduct static and dynamic analysis will be examined. Students will also learn about the importance of principles, legal considerations, controls, and documentation of forensic procedures. *Credit: 3 semester hours.*

IT 711 Enterprise Architecture and IT Governance

The process of understanding business vision and strategy to design a future IT state from a strategic, organizational, and technology perspective. This course focuses on using this understanding, principles, and models to describe Enterprise IT's current and future state, together with regulatory and governance issues for successful implementation of Enterprise IT architectures. *Credit: 3 semester hours.*

IT 715 System Analysis and Process Re-engineering

An understanding of both the full Systems Analysis process as well as the concepts of Process Re-engineering; Development of Business Requirements/Functional Specifications, application system design, development, testing and implementation; Information as a resource, Types of information systems; the Systems Development Life Cycle; Designing input, output and databases; Quality Assurance; Development of functional specifications; Understanding the role of the User and Systems Analyst; Drawing Entity Relationship Diagrams; Drawing Data Flow Diagrams; Economic aspects of systems selection, and Feedback Control; The full systems development life cycle (SDLC) *Credit: 3 semester hours.*

IT 721 IT Project Management and Agile Methodologies

Review of concepts, tools, techniques, and applications of project management with a focus on information technology projects. Students will learn how to put together a project management (preliminary) plan, define project goals, and develop project teams, schedules, and budgets. The course illustrates the key aspects of IT traditional project lifecycles (initiation, planning,

execution, monitor and control, and closing) and agile project management methods. It will also emphasize aspects of IT project team performance, IT risk management and business continuity. *Credit: 3 semester hours.*

NET 510 Networking: Forms and Functions

Coverage of network standards and concepts, topology, and terminology, including LANs, WANs, the OSI model, cabling, IP addressing, networking hardware, and the LAN protocols. The course also covers an introduction to switched networks, VLANs, routing concepts, access control lists, OSI standard protocols, and IP addressing. *Credit: 3 semester hours.*

Master of Science (M.S.) in Data Science

The 30-credit M.S. in Data Science prepares students for related careers that involve the application of computational and statistical techniques that are becoming more vital to industry and research. This is accomplished through coursework in topics such as database management systems, data mining and machine learning algorithms, data visualization, statistics, text analytics, and big data. Graduates of the Data Science program will obtain a variety of skills required to analyze large datasets and to develop modeling solutions to support decision making. They will also develop a specialization in distributed Big Data, marketing analytics or healthcare analytics. This M.S. degree is a STEM designated program.

Admission Requirements

Admission to the program is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. This assessment will be made by examining previous academic performance, letters of recommendation, the applicant's essay, work experience, performance on standardized exams (such as the GRE), and any other evidence that the admissions committee believes to be relevant.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended, showing the College qualifying GPA; two to three letters of recommendation from instructors/professors or other qualified individuals, and a statement of purpose. In addition to the standard University and College admission requirements, all applicants must demonstrate evidence of completing the following mathematical courses: Matrix Methods, Calculus I and Probability and Statistics I and II.

Program Requirements

The M.S. program in Data Science requires 30 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit).

Core Courses (9 credits required)

- CUS 510 Database System Design and Data Warehousing
- CUS 610 Data Mining and Predictive Modeling I
- CUS 615 Data Mining and Predictive Modeling II

Data Analysis / Applied Statics Courses (6 credits chosen from the following)

**See Tobin College of Business section for
course descriptions**

- BUA 602 Business Analytics
- BUA 609 Advanced Managerial Statistics
- BUA 633 Applied Regression and Forecasting Models

Capstone Course (3 credits chosen from the following)

- CUS 690 Applied Analytics Project 3 credits
- CUS 695 Software Implementation Project 3 credits

Specialized Area (6 credits in one of the following areas)

Big Data:

- CUS 680 Distributed Big Data Analytics I
- CUS 681 Distributed Big Data Analytics II

Marketing Analytics:

* See Tobin College of Business for course descriptions.

- MKT 600 Decisions in Marketing Management
- MKT 611 Data Driven Marketing

Healthcare Analytics:

- HCI 520 Medical and Health Informatics
- HCI 525 Applied Healthcare Analytics

Cyber and Information Security.

Choose 6 credits from:

- CYB 611 Foundations in Cyber Security
- CYB 615 Protection of Digital Infrastructure
- CYB 621 Cybersecurity Laws, Regulations and Best Practices
- CYB 625 Principles of Secure Scripting and Cryptography
- CYB 711 Intrusion Detection and Analysis
- DFR 711 Cyber-Forensic and Malware Analysis

Elective Courses (6 credits in one of the following areas)

- CUS 620 Introduction to Programming for Analytics
- CUS 625 Computer Visualization Applications

- CUS 630 Operations Research
- CUS 635 Web Data Mining
- CUS 640 Natural Language and Text Processing
- CUS 670 Monte Carlo Techniques 3 credits
- CUS 675 Database Programming
- CUS 680 Distributed Big Data Analytics I
- CUS 681 Distributed Big Data Analytics II

Courses

CUS 510 Database Management Systems

An examination of techniques used for database design, implementation, and management. Design and construction of data warehouses, including choosing internal and external data sources, determining the degree of granularity, selecting time spans, and choosing how to group subjects. Introduction to data mining, including definition, objectives, query design and analysis of query results. *Credit: 3 semester hours.*

CUS 610 Data Mining and Predictive Modeling I

Pre/Co-requisite: CUS 510. Serving as the foundation of predictive analytics, this course focuses on identifying patterns and relationships in data and the creation of models to determine future behavior. Data mining algorithms and techniques will be studied and applied to extract valuable information from large data sets. The process of knowledge discovery will be covered from data collection and preparation to data analysis, model development, and deployment. Data mining algorithms for association, classification and prediction will be examined, along with the development of models to predict categorical and continuous outcomes. *Credit: 3 semester hours.*

CUS 615 Data Mining and Predictive Modeling II

Prerequisite: CUS 610. As the second course in the data mining and predictive modeling sequence, this course includes topics such as neural networks, data stream mining, time series data, web mining, and sequence detection. Algorithms for complex data types and advanced data preparation methods will be covered. Additional topics include model performance evaluation and combining models to improve predictions. *Credit: 3 semester hours.*

CUS 620 Introduction to Programming for Analytics

As an intensive introduction to programming, this course will focus on programming fundamentals, including problem solving and algorithms. Focus will be on designing and implementing programs in the Python programming language. Programming concepts such as data types, control structures, functions, recursion, and text manipulation will be covered. The course will then continue

to topics such as data structures, classes, and algorithm analysis. In addition, we will analyze data obtained through file I/O and database sources. *Credit: 3 semester hours.*

CUS 625 Data Visualization

Pre/Co-requisite: CUS 610. Study of computer visualization tools used to navigate the data analysis process in order to identify important informational patterns. The course will focus on learning how to use current computer graphical methods to produce visualizations that display data clearly and effectively. *Credit: 3 semester hours.*

CUS 630 Operations Research

Pre/Co-requisite: CUS 610. Review of probability theory; stochastic processes; queueing theory; inventory theory; review of solution of systems of linear equations; linear programming; duality; assignment and transportation problems; applications of mathematical models. *Credit: 3 semester hours.*

CUS 635 Web Data Mining

Pre/Co-requisite: CUS 610. Investigation of concepts and algorithms that add intelligence to web-based information systems in areas from business to healthcare to e-government to education. We will cover concepts from data mining and text mining as they apply to the web, and discuss the use of ontologies and semantic web languages. *Credit: 3 semester hours.*

CUS 640 Natural Language and Text Processing

Prerequisite: CUS 620. The intent of this course is to present a fairly broad graduate-level introduction to Natural Language Processing (NLP, a.k.a. computational linguistics), which is the study of computing systems that can process, understand, or communicate in human language. The primary focus of the course will be on understanding various NLP tasks as listed on the course syllabus, algorithms for effectively solving these problems, and methods for evaluating their performance. There will be also a focus on statistical learning algorithms that train on (annotated) text corpora to automatically acquire the knowledge needed to perform a task. *Credit: 3 semester hours.*

CUS 670 Monte Carlo Techniques

Prerequisites: MTH 1010 and MTH 1014, or equivalent; Pre/Co-requisite: CUS 610. A study of the computational algorithms that rely on repeated random sampling to compute their results. Examples of computer simulation of physical and mathematical systems. *Credit: 3 semester hours.*

CUS 675 Database Programming

Prerequisite: CUS 1126, or equivalent; Pre/Co-requisite: CUS 610. Development of large-scale software applications which are integrated with a database management

system. Topics include database programming using open architectures, stored procedures, transaction management, web-based applications, and extensible markup data definition and retrieval languages. *Credit: 3 semester hours.*

CUS 680 Distributed Big Data Analytics I

An exploration of the process of analyzing massive datasets in order to achieve actionable insight and scientific discovery at large scale. We will examine a distributed computing architecture based on a technology that is rapidly becoming the de-facto leader in this space: Hadoop. We will develop real hands-on experience using MapReduce and higher level computational languages like Hive and PIG. We will also introduce SPARK, an analytical language conceived with distributed systems in mind and, together with Hadoop 2, we will move away from the traditional batch-mode operational format toward a more interactive one. *Credit: 3 semester hours.*

CUS 681 Distributed Big Data Analytics II

Prerequisite: CUS 680. An examination of the functional programming characteristics of distributed algorithms. Building on Distributed Big Data Analytics I, we continue to explore the ability to process and analyze massive datasets, but with particular attention to the algorithmic aspect. Students will be provided with the necessary problem-solving and coding skills required to tackle distributed big-data projects. *Credit: 3 semester hours.*

CUS 690 Applied Analytics Project

Pre/Co-requisite: CUS 615. Data mining and analytics techniques will be applied in a domain area selected by each student. Knowledge discovery and predictive analytics have become valuable across data-rich disciplines and fields. Students will design and complete a project that involves collecting data and analyzing information with the goal of generating useful knowledge. Domain applications may include areas such as: business and management, finance and economics, medicine and healthcare, public health, marketing and CRM, security, and social networks. *Credit: 3 semester hours.*

CUS 791 Data Science Internship

Requires permission of the program coordinator. The internship course in Data Science is for students that are working at an internship during the academic semester. Through the internship, students gain practical experience in various aspects of the data science field. Internships may involve various aspects of data science, such as: databases, statistical tools, data modeling, and programming, among others. Internships provide practical experience to prepare graduates for their professional careers. *Credit: 3 semester hours.*

CUS 695 Software Implementation Project

Prerequisite: CUS 1126, or equivalent; Pre/Co-requisite: CUS 615. Data mining, web mining, and text mining methods will be applied in the context of a software system. Students will design and build a working software implementation. Domain applications may be in areas such as business and management, finance and economics, medicine and healthcare, social network mining, e-government and education. *Credit: 3 semester hours.*

Program of Study Master of Science in Healthcare Informatics

The need for healthcare informatics professionals has gradually increased as data and technology continue to drive the growth of the healthcare business. As a result, job vacancies in healthcare informatics are rising across the sector, including at hospitals, clinics, technology businesses, insurance companies, and private physician offices, as electronic medical records and other technologies that create large amounts of data become more widely adopted. According to the US Bureau of Labor Statistics, healthcare informatics professionals are predicted to have a 13 percent rise in job possibilities between 2016 and 2026.

The Master of Science in Healthcare Informatics program is designed to provide advanced informatics training to healthcare professionals who seek a career as a health informatics researcher or who want to incorporate health informatics skills into their existing employment. The M.S. in Healthcare Informatics program is online. Many individuals prefer online education for various reasons, e.g., job, family, or travel. This program allows for more flexibility and self-paced learning and is an attractive option for those working full-time in the healthcare and information technology sectors.

Admission Requirements

Admission to the M.S. in Healthcare Informatics is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance and letters of recommendation and other factors that suggest academic potential and motivation.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree in health informatics, health sciences, computer science or a related discipline from an accredited college or university, including official transcripts from each institution attended showing the a minimum 3.0 cumulative GPA; two letters of

recommendation from instructors/professors or other qualified individuals, (at least one of which should attest to your research or technical ability) and a recent sample of written work statement of purpose.

Program Requirements

The M.S. in Healthcare Informatics requires 30 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit).

Core Courses (18 credits required)

- CUS 510 Data Base Management Systems
- HCI 520 Medical and Health Informatics
- HCI 526 Healthcare Data Science
- HCI 527 Healthcare Standardization
- HCI 625 Healthcare Enterprise Systems
- HCI 630 Healthcare Information Flo & Data Management

Elective Courses (9 credits chosen from the following)

- CUS 610 Data Mining/Predictive Model I
- HCI 525 Applied Healthcare Analytics
- HCI 615 Healthcare IT Project Management
- HCI 620 Healthcare Info Security
- HCI 795 Thesis I*

*Students pursuing the thesis option must choose HCI 795 as one of their electives.

Thesis/Capstone Requirement (3 credits chosen from the following)

- HCI 790 Healthcare Informatics Capstone Project
- HCI 796 Thesis II (Pre-req: HCI 795)

HCI 520 Medical and Health Informatics

This course will focus on information technologies that are used to represent, transmit, and analyze medical data and information in the healthcare field. Biomedical databases, classification systems for medical data, as well as messaging standards utilized by healthcare systems for information exchange will be covered. *Credit: 3 semester hours.*

The following courses are part of the Health Information Management and Technology track in the Masters in Public Health program offered through the College of Pharmacy.

HCI 610 Technology Advancements in Health Informatics

An introduction to information technology as it is applied to health care and health related organizations. An examination of how information is captured, converted, and stored in machine readable form and used in the various facets of the health care system; the impact of Electronic Medical Record (EMR) and mobile computing on the healthcare system. A look at future trends that are revolutionizing and disrupting the field. *Credit: 3 semester hours.*

HCI 615 Health Care Information Technology Project Management

This course focuses on project management as applied to management of health care information technology projects. It covers key project management concepts and tools, while providing students with the opportunity to apply them to various scenarios. *Credit: 3 semester hours.*

HCI 620 Healthcare Information Security

Introduction to the computer and networking methodologies used within healthcare environments to achieve healthcare privacy and the security of electronic medical records. *Credit: 3 semester hours.*

HCI 625 Healthcare Enterprise Systems

A study of Healthcare Enterprise Systems and relevant IT integration techniques and standards to facilitate: patient and decision support; administrative processes; diagnostics; web services; human-computer interface design; and digital imaging and processing systems. *Credit: 3 semester hours.*

HCI 630 Healthcare Information Flow and Data Management

A study of the secure flow and use of information through processes in healthcare systems and the key role it plays in the quality of health care delivery. *Credit: 3 semester hours.*

Division of Criminal Justice, Legal Studies and Homeland Security

Programs of Study

Master of Professional Studies (M.P.S.) in Homeland Security and Criminal Justice Leadership

The Master of Professional Studies in Homeland Security and Criminal Justice Leadership is a 36-credit program that prepares students for management and executive positions by examining critical leadership issues confronting the homeland protection and criminal justice system. The program employs an integrative approach linking theory with professional practice. As a result, criminal justice practitioners gain the advanced knowledge and leadership skills that are essential for executive positions in policing, courts administration, correctional services, homeland security, and corporate and institutional security.

Students benefit from the superb resources and faculty of St. John's University, one of the largest Catholic universities in the U.S. St. John's has a long record of excellence in educating criminal justice professionals. This distinguished record—and the University's

close ties to the criminal justice community—add luster to this outstanding learning experience.

Admission Requirements

Admission to the M.P.S. in Homeland Security and Criminal Justice is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance and letters of recommendation and other factors that suggest academic potential and motivation.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended, showing the College qualifying GPA; two to three letters of recommendation from instructors/professors or other qualified individuals, and a thoughtful, well-written essay of approximately 300 words describing the applicant's reasons for seeking this graduate degree.

Program Requirements

The M.P.S. program in Homeland Security and Criminal Justice Leadership requires 36 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit).

Core Courses (18 credits required)

- HLS 106 Ethical Leadership: Principles and Practices
- HLS 203 Critical Issues in Correctional Administration
- HLS 301 Police and Homeland Security Leadership
- HLS 302 U.S. Constitution and Homeland Protection
- HLS 304 Policy Formation and Analysis
- HLS 314 Leadership in Public Administration

Research Courses (6 credits required)

- HLS 400 Applied Research Project: The Capstone
- HLS 401 Introduction to Research Methods

Selected Topics (12 credits chosen from the following)

- HLS 108 Enterprise Risk Management
- HLS 232 Organizational Behavior
- HLS 280 Organizational Development
- HLS 303 Issues in Global Security
- HLS 305 Seminar in Global Terrorism
- HLS 307 Leadership Issues in Critical Incident Management
- HLS 308 Selected Topics in Homeland Security & Criminal Justice I
- HLS 309 Selected Topics in Homeland Security & Criminal Justice II

- HLS 311 Criminological Theory
- HLS 312 Court Administration and Leadership
- HLS 401 Applied Seminar in Leadership Practicum

The Doctor of Professional Studies (D.P.S.) in Homeland Security

The Doctor of Professional Studies (DPS) is a 78-credit professional degree program in Homeland Security designed to prepare candidates for executive-level and other decision-making roles within the Homeland Security Enterprise. Candidates will focus, in particular, on cooperation, coordination and collaboration among public and private actors and entities within the Homeland Security Enterprise, both domestically and internationally.

Admission Requirements

Admission to the D.P.S. in Homeland Security and Criminal Justice is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance and letters of recommendation and other factors that suggest academic potential and motivation.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended, showing the College qualifying GPA; scores for the Graduate Record Exam (GRE), three letters of recommendation from instructors/professors or other qualified individuals, and a thoughtful, well-written essay of approximately 300 words describing the applicant's reasons for seeking this graduate degree.

Note:

- Applicants with at least 30 credits of graduate work and cumulative GPA of 3.5 or greater may be exempt from the GRE, but submission of scores are strongly recommended.
- An interview may be required at the discretion of the Admission Committee.

Program Requirements

The D.P.S. program in Homeland Security requires 78 credits that include the following.

Core Courses (28 credits required)

- HLS 102: Intelligence for Homeland Security: Organizational & Policy Challenges (3 credits)
- HLS 103: Critical Infrastructure: Vulnerability Analysis and Protection (3 credits)
- HLS 106: Ethical Leadership: Principles and Practices (3 credits)
- HLS 108: Enterprise Risk Management (3 credits)
- HLS 601/601.1: Homeland Security Enterprise (4 credits)

- HLS 602/602.1: Disaster Management I: Preparedness and Response (4 credits)
- HLS 603/603.1: Disaster Management II Operational Continuity and Recovery (4 credits)
- HLS 604/604.1: Theories and Concepts of Security (4 credits)

Required Research Courses: (14 credits required)

- HLS 500: Introduction to Research Methods (3 credits)
- HLS 701/701.1: Advanced Research Methods I (4 credits)
- HLS 702: Advanced Research Methods II (3 credits)
- HLS 703/703.1: Statistical Analysis in Research (4 credits)

Elective Courses (18 credits chosen from the following- all 3 credit courses)

- HLS 203 Critical Issues in Correctional Administration
- HLS 232: Organizational Behavior
- HLS 280: Organization Development
- HLS 301 Police and Homeland Security Leadership
- HLS 302 U.S. Constitution and Homeland Protection
- HLS 303 Issues in Global Security
- HLS 304 Policy Formation and Analysis
- HLS 305 Seminar in Global Terrorism
- HLS 306 Migration and Border Security
- HLS 307 Leadership Issues in Critical Incident Management
- HLS 308: Selective Topics in Homeland Security and Criminal Justice I
- HLS 309 Selective Topics in Homeland Security and Criminal Justice II
- HLS 310 Public Admin/Crim Just Agency
- HLS 311 Criminological Theory
- HLS 312 Court Administration and Leadership
- HLS 313 Contemporary Legal Problems/ Issues in Criminal Justice

Internship Requirement: (6 credits required)

The D.P.S. requires the completion of six-credit hours of internship experience directly related to the field of Homeland Security under faculty supervision. Students who have significant relevant work experience within the industry will not be required to complete an internship. The waiver of this requirement must be supported with an experiential learning portfolio submitted by the student and is at the discretion of the program coordinator or their designee.

Qualifying Examination: Upon successful completion of the required core courses and prior to starting their doctoral dissertation, students are required to pass a comprehensive examination by demonstrating a mastery of the learning objectives of all core courses.

Dissertation Research (12 credits required: all 3 credit courses)

- HLS 801: Dissertation Research I
- HLS 802: Dissertation Research II
- HLS 803: Dissertation Research III
- HLS 804: Dissertation Research IV

Dissertation: The degree of Doctor of Professional Studies shall be conferred upon completion and successful defense of the dissertation before the candidate's dissertation committee.

Courses

HLS 102 Intelligence for Homeland Security: Organizational and Policy Challenges

Provides a comprehensive review and discussion of challenges and concerns facing the U.S. Intelligence Community and its role in homeland security including terrorism, emergency management and cyber-security. The role of other federal agencies, state and local governments, and the private sector are also analyzed through the framework of policy, organizational and substantive issues. *Credit: 3 semester hours.*

HLS 103 Critical Infrastructure: Vulnerability, Analysis and Protection

Provides students with the tools necessary to analyze the various threats and vulnerabilities that impact the ability to protect critical infrastructure from all hazards. Critical infrastructure is rationalized through the framework of a "systems of systems" approach. This approach focuses on interdependency and how critical infrastructure functions. *Credit: 3 semester hours.*

HLS 106 Ethical Leadership: Principles and Practices

This course analyzes the most pressing ethical issues facing executive operating within the homeland security enterprise. Case studies are reviewed to determine more effective integrity control policies and procedures. *Credit: 3 semester hours.*

HLS 108 Enterprise Risk Management

Pre-requisite HLS 601. The role that enterprise risk management plays in managerial and leadership decision-making within homeland security organizational environments is examined through this course. Students will identify and analyze risks faced by upper echelon managers and the strategic decision-making steps needed to acquire an appropriate risk appetite. Enterprise risk topics such as constructing frameworks for managing strategic and operational risks, as well as strategies to outsource risks will be discussed. *Credit: 3 semester hours.*

HLS 203 Critical Issues in Correctional Administration

This course addresses the most pressing issues facing correctional managers and executives

and traces the history of correctional theories, with particular emphasis placed on care, custody and control issues. *Credit: 3 semester hours.*

HLS 232 Organizational Behavior

Prerequisite: HLS 504. This course examines the contributions of behavioral science to the management process and the organization as a social-political system. *Credit: 3 semester hours.*

HLS 280 Organizational Development

Prerequisite: HLS 504. This course examines planned change for improving the performance of individuals, groups and organizations emphasizing the structure and behavioral factors that interact to influence organizational effectiveness and productivity. *Credit: 3 semester hours.*

HLS 301 Police and Homeland Security Leadership

This course traces the history of American policing and examines organizational models used to deliver police services to communities. Students review the literature and research on policing in a democratic society. *Credit: 3 semester hours.*

HLS 302 The U.S. Constitution and Homeland Security

Students analyze landmark decisions of the U.S. Supreme Court to explore the tension between the goals of public safety and individual liberty in a democratic society, and how these competing interests currently have been balanced in the U.S. *Credit: 3 semester hours.*

HLS 303 Issues in Global Security

This course is divided into two parts. First, this course seeks to explain globalization as it relates to security and provide students with understanding of the various challenges and threats that result from the phenomenon. Second, this course seeks to examine the how various governments, and on occasion non-governmental organizations, utilize a variety instruments of global governance to cooperate when dealing with, or combat threats that are global in nature. *Credit: 3 semester hours.*

HLS 304 Policy Formation and Analysis

This course provides an advanced examination of the development, implementation and evaluation of criminal justice policy in the United States and elsewhere. *Credit: 3 semester hours.*

HLS 305 Seminar in Global Terrorism

This course will examine a variety of issue related to domestic and international terrorism. It will also explore the effects of terrorism and compare how their consequences of attacks are both similar to and different than other types of violence, warfare and criminal acts. The way in which government attempt to combat terrorism and respond to terrorist attacks will also be critiqued. *Credit: 3 semester hours.*

HLS 307 Migration and Border Security

This course examines the interconnections between international migration and security, identifying various types of threats and weighing the extent to which they pose security risks. It focuses particularly on assessing the effectiveness of initiatives at the international, regional and national levels to prevent entry of and apprehend, prosecute and deport those who pose security threats, including the use of new technologies. *Credit: 3 semester hours.*

HLS 308 & HLS 309: Selected Topics Series in Criminal Justice I & II

These courses feature an in-depth analysis of a selected topic in criminal justice. A different topic will be examined each semester, enabling students to explore a pressing contemporary issue in criminal justice. *Credit: 3 semester hours each course.*

HLS 311 Criminology Theory

The course examines the problems of crime in contemporary society and the advancement of a peacemaking approach to crime (that is, humane, non-violent, non-authoritarian and scientific ways to reduce crime). Theories and explanations of criminal behavior are analyzed in detail along with the range of activities that are defined as crimes. Solutions involving major changes in the social and economic structures in order to reduce crime in the United States are presented. *Credit: 3 semester hours.*

HLS 312 Court Administration and Leadership

This course is an introduction to the criminal court system. The goal for this course is for students to understand where the law comes from, who the actors are in the system, and how the system functions. Understanding the roots of the American justice system, students will begin to understand the importance, complexity, and uniqueness of this system. *Credit: 3 semester hours.*

HLS 313 Contemporary Problems/Issues in Criminal Justice

The American Criminal Justice System is complex and frequently criticized. This course will examine selected areas of the criminal justice system and both criticisms and suggestions and efforts for reform of these areas. Selected topics will include mass incarceration, plea bargaining and bail reform, wrongful confessions, eyewitness identification procedures, imposition of fees and costs, exoneration of the wrongfully convicted, alternatives to incarceration, Second Amendment and gun control, parole and release, re entry after prison and solitary confinement. *Credit: 3 semester hours.*

HLS 314 Leadership in Public Administration

This course examines the field of public administration with specific emphasis placed

on the executive and leadership responsibilities of the criminal justice administrator. *Credit: 3 semester hours.*

HLS 400 Applied Research Project: The Capstone

The Capstone Project is a comprehensive analysis of a significant incident, case problem or policy dilemma related to an agency with which the criminal justice practitioner is familiar. *Credit: 3 semester hours.*

HLS 401: Introduction to Research Methods

Students will be exposed to major research studies in homeland security and related disciplines in order to identify their relative strengths and weaknesses based on accepted research concepts and techniques. *Credit: 3 semester hours.*

HLS 500 Seminar in Applied Leadership Practices

This course is designed to provide graduate students with the supervised observation and/or application of the professional practices of leadership. This practical perspective (field work), when coupled with readings and graduate seminars, will provide students with a rich, integrated understanding of the most current leadership practices. The seminar in Applied Leadership Practices is an elective. *Credit: 3 semester hours.*

HLS 601.1 Homeland Security Enterprise Residency

Credit: 1 semester hour.

HLS 601 Homeland Security Enterprise

Mitigating and defending against dynamic threats, minimizing risk, and maximizing the ability to respond and recover from attacks and disasters requires partnerships across the federal government, public and private sectors, and communities across the country and around the world. The dynamics of these various entities engaged in the protection of the homeland are analyzed. Administrative, legislative, operational and legal challenges facing these institutions are also a major focus. *Credit: 3 semester hours.*

HLS 602.1 Disaster Management I: Preparedness and Response Residency

Credit: 1 semester hour.

HLS 602 Disaster Management I: Preparedness and Response

Provides an inclusive review and discussion of challenges and concerns facing the government and private community in preparing and responding to man-made and natural disasters. Look at the relationship between community preparedness and key emergency management functions. Emphasis will be on the role of federal agencies, state and local levels of government, and the private sector on how they prepare for and respond to national emergencies. *Credit: 3 semester hours.*

HLS 603.1 Disaster Management II Operational Continuity and Recover Residency *Credit: 1 semester hour*

HLS 603 Disaster Management II Operational Continuity and Recover
Operational Continuity and Recovery are critical areas of competence for managers in private sector, as well as public sector organizations. The diverse emergency management, crisis management, contingency planning, recovery and restoration issues facing the private sector and governmental organizations are analyzed in terms of internal operations and interfaces them with the public and private sector homeland security and emergency management community. Applied methodologies used to plan and recover systems and business processes is a major focus. *Credit: 3 semester hours.*

HLS 604.1 Theories and Concepts of Security Residency *Credit: 1 semester hour.*

HLS 604 Theories and Concepts of Security
The concept of security is one that permeates through a wide range of social science disciplines including, psychology, sociology, political science and international relations. This course examines the various theories from these disciplines ranging from the individual's need to feel secure to the emerging concept of "human security." Particular focus is placed on how these theories have influenced the development of the concept of homeland security. *Credit: 3 semester hours.*

HLS 701.1 Advanced Research Methods I Residency *Credit: 1 semester hour.*

HLS 701 Advanced Research Methods
Advance critical thinking, the ability to evaluate research in academic journals and professional report, to critique the language and methods of research and to prepare for a doctoral level dissertation that is rigorous and reflects the needs and problems of the homeland security field. *Credit: 3 semester hours.*

HLS 702: Advanced Research Methods II
Using critical thinking and specialized knowledge the student will design a research project on a specific homeland security issue. This project will include problem identification, literature review, research design, statistical analysis, and hypothesis development. This project will serve as the students dissertation proposal and must be defended. *Credit: 3 semester hours.*

HLS 703.1 Statistical Analysis in Research Residency *Credit: 1 semester hour.*

HLS 703 Statistical Analysis in Research
Statistical concepts, data analysis, designed and observational studies and a range of statistical methods are analyzed with a focus on their application in social science research. Topics include numerical and geographical summaries of data, hypothesis testing, confidence

intervals, counts and tables, analysis of variance, regression, principal components, and cluster analysis. *Credit: 3 semester hours.*

Division of Health and Human Services

Master of Science in Health Care Systems

Many forces are at play in this expanding health care market, from the increasing aging population to the economics and legal issues surrounding health care reform. And, as the market for health services evolves to meet these challenges, technology plays an increasingly crucial role in the growth and management of this industry sector and its complex system of health care providers.

The Master of Health Care Systems (MHS) program recognizes the need for a graduate degree program in health care systems that equips students with the necessary tools to achieve and manage integrated approaches to health care—approaches that enable students to look at operational, policy, technology, and legal issues in health care from a holistic perspective. The program offers both medical and nonmedical professionals opportunities to develop advanced organizational and technical skills, effectively positioning students to assume leadership positions within the evolving ecosystem of the U.S. health care stakeholders and health-related professions.

Admission Requirements

Admission to the M.S. in Health Care Systems is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance, letters of recommendation, and other factors that suggest academic potential and motivation.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended, showing the College qualifying GPA; two to three letters of recommendation from instructors/professors or other qualified individuals, and a statement of purpose

Program Requirements

The M.S. program in Health Care Systems requires 30 credits including the following. (Note: Each course listed is equivalent to 3 semester hours of credit).

Core Courses (30 credits required)

- HCA 320 Management and Leadership in Health Care Organizations

- HCA 321 Legal and Ethical Aspects of Health Systems
- HCA 350 Policy Seminar in Health Systems
- HCA 360 Health Care Systems Internship
- HCI 520 Medical and Health Informatics
- MPH 280 Introduction to Epidemiology
- MPH 302 Health Care Data Analysis and Management
- PAS 283 Health Care System and Financing
- PAS 281 Health Care Outcomes Assessment
- PAS 282 Health Care System and Financing
- PAS 283 Health Care Finance and Reimbursement

Courses

HCA 320 Management and Leadership in Healthcare Organizations

An introduction to leadership, management, and organizational behavior in the health care industry. Students learn to develop competencies in the areas of project management, patient safety, organizational culture, emergency preparedness, to name a few. The course will also familiarize students with current opportunities and challenges facing managers in healthcare organizations. *Credit: 3 semester hours.*

HCA 321 Legal and Ethical Aspects of Healthcare System

An introduction to ethical and legal issues in the healthcare industry. The course focuses on laws and ethical concerns pertaining to the rights and responsibilities of health care professionals, patients, and doctors, with a deeper focus on vulnerable populations, privacy and confidentiality of personal information. Issues of access, quality, and delivery in healthcare are analyzed through the lenses of government regulation, corporate and management practices, and community needs. *Credit: 3 semester hours.*

HCA 322 Impact Evaluation of Health Programs

Prerequisites: Students should be familiar with basic concepts in research methods and statistics. This course will introduce students to key econometric methods of evaluation and how they are applied to assess the impact of health programs. Students will learn the uses and limitations of commonly used descriptive, experimental and quasi-experimental techniques and understand the importance of distinguishing between causal and non-causal evidence. This is an online asynchronous course with the overall objective of providing students with the background necessary to understand the impact of various programs on individual and population health outcomes, based on a critical assessment of economic research. *Credit: 3 semester hours.*

HCA 350 Policy Seminar in Health Systems

This capstone requires that students complete an academically robust, high quality project ranging from creating proposals for interventions and research projects to conducting policy systematic reviews. Emphasis is placed on developing innovative approaches to addressing the challenges of the modern health care system. All course reading materials, discussions, activities, and assignments provide the necessary information and direction needed to write and share an original case in the field of health-care systems. *Credit: 3 semester hours.*

HCA 360 Health Systems Internship

Field experience with a health care organization under the direct supervision of a health care professional. This experiential learning opportunity allows students to apply health care systems management theory, principles, and concepts in a real-world setting. *Credit: 3 semester hours.*

HCI 520 Medical and Health Informatics

This course will focus on information technologies that are used to represent, transmit, and analyze medical data and information in the healthcare field. Biomedical databases, classification systems for medical data, as well as messaging standards utilized by healthcare systems for information exchange will be covered. *Credit: 3 semester hours.*

MPH 280 Introduction to Epidemiology

This course will provide students with a fundamental understanding of the general principles of epidemiological methods and their application to public health practice. It will introduce key epidemiological concepts such as association, bias and confounding, as well as the main epidemiological study designs. Precepts will provide opportunities for practical application of skills in interpreting, displaying and communicating epidemiological data. *Credit: 3 semester hours.*

MPH 302 Healthcare Data Analysis and Management

This course is designed to develop effective data management skills in clinical and health care research. The course will provide graduate students with an overview of statistical software and provide technical skills for data management, data analysis, and producing graphs and reports. *Credit: 3 semester hours.*

PAS 281 Healthcare Outcomes Assessment

The course is designed to provide a comprehensive review of economic analysis and health status assessment in the appraisal of health outcomes and program effectiveness in health service research. Major economic evaluation methods such as: cost effectiveness analysis, cost benefit analysis and cost utility analysis are introduced in the context of current health care service system. Application of economic tools and quality of life evaluation

instruments in clinical investigations, health services research, and policy analysis will be discussed. *Credit: 3 semester hours.*

PAS 282 Health Care System and Financing

This course will provide an overview of those factors affecting the access disparity, efficiency and quality of the U.S. health-care system. These factors include: demographic changes, demand for services, cost shifting, use of health technology, health care workforce distribution, financing of services by payers, Medicare and Medicaid, the evolution of managed care market, and health care reform initiatives. Students will gain an appreciation of the dilemmas confronting policy makers, providers, and the public, and how to balance the conflicting priorities in the current health care system. *Credit: 3 semester hours.*

PAS 283 Health Care Finance and Reimbursement

The purpose of this course is to provide the students with detailed understanding on the application of finance (accounting and financial management) theory, principles, and concepts to healthcare organizations. Students will learn about the financial tools needed by healthcare managers to make better financial, strategic, operational decisions and the impact of reimbursement and payment policies on the performance of health care organizations. These topics include sources of financing, managerial accounting concepts (including cost behavior, profit analysis, and incremental analysis), reimbursement and payment under various third-party payer environment, cost allocation and government program reporting. *Credit: 3 semester hours.*

Division of Mass Communication

Ph.D. in Multi-Sector Communication

The Ph.D. in Multi-Sector Communication prepares you to explore new pathways to information sharing and communication, chart the agenda of this tech-driven evolution, and explore the new theoretical framework inherent in our digital native society.

The ever-increasing globalization challenges of communication in private, public, and nonprofit sectors, and the emergence of new communication tools such as digital and social media technologies, disrupt traditional communication channels and sources, affecting news reliability and validity. There is an urgent need to understand how mass communication, both digital and traditional, evolve globally, and how this empowering “democratization” of information access and diffusion impacts policies; corporate strategies; and social, political, and academic interaction.

In the era of digital globalization, economic sustainability, security sophistication, and

“virtual” communication, we need to develop a new way of thinking and sharing information. New strategic communication specialists and high-level decision-makers across sectors need to be able to embrace emerging technologies and combine the skills of anthropologists, data scientists, designers, economists, political scientists, social psychologists, strategic and persuasive communicators, and others.

Admission Requirements

Admission to the Ph.D. in Multi-Sector Communication is contingent upon an assessment of the candidate’s ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance and letters of recommendation and other factors that suggest academic potential and motivation. Degree candidates must provide the following for admission consideration:

- Evidence of successful completion of a bachelor’s degree and a master’s degree, and have a minimum 3.0 cumulative grade point average (GPA).
- Three letters of recommendation, at least one of which attests to the applicant’s research ability.
- A recent sample of written work and a personal statement of professional experience and career goals
- Demonstration of functional proficiency of a foreign language (not part of the program credits).
- Successful completion of a required personal interview

Master’s Credit Transfer (maximum 24-credit transfer)

Admitted students to the Ph.D. program who have maintained a 3.0 GPA throughout their master’s program are selectively eligible to transfer credits from a completed master’s degree program. Each request is assessed separately.

Program Requirements

The Ph.D. in Multi-Sector Communication requires 36 credits that include the following. (Note: Unless otherwise noted, each course listed is equivalent to 3 semester hours of credit)

Foundation Courses and Methods (18 credits chosen from the following):

- ICM 800 Theories of Communication
- ICM 802 Research Methods
- SOC 127 Statistics for Social Sciences
- SOC 300 Strategies for Social Research
- SOC 301 Evaluation Research and Data Analysis
- CMS 500 Critique of Power, Knowledge, and Communication
- CMS 501 Organizational Communication
- CMS 504 Philosophy of Communication

Areas of Specialization: 12 credits in graduate level course work chosen with the goal the areas listed below:

- Strategic Crisis Communication for Multisector Contexts
- Multisector Governance and Policy Analysis
- Social Innovation and International Communication
- Communication and Computation: Advanced Theories and Methods Of Science and Technology Studies
- Data Analytics for Multisector Communication
- Information and Communication Technologies And Transformation
- Information Sharing, Transfer, Cross-Cultural Knowledge
- Multisector Private-Public Partnerships and Communication
- ICT for Development
- Multisector Communication in Emerging Economies

Dissertation (6 credits): CMS 530

Deadlines for all dissertation requirements are found in the Academic Calendar section of this Bulletin. More information on the Collins College dissertation process and requirements can be found in the Doctoral Dissertation and Master's Thesis section.

Noncredit Requirements

- Doctoral research colloquia (You must attend in-person or remotely every month.)
- Comprehensive exam: CMS 520
- Mentored research (leading to conference presentation and/or publication submission)
- Proposal & Dissertation defense

Non-thesis Option: Internship in an international/nonprofit/business organization

Courses

CMS 500 Critique of Power, Knowledge, Communication

This course aims to provide students with a strong background in critical theory, and the means to employ insights from these fields to understand and to intervene in contemporary problems. Through the study of foundational and contemporary texts, students will gain an understanding of critical theory's historical emergence as modes of critical engagement, while testing the viability of different approaches within these fields to address contemporary constellations of domination, hegemony, and resistance. We will do so by exploring genealogies of its important concepts, i.e. agency, ideology, the author, through a combination of traditional and contemporary theoretical formulations such as theories of ideology, theories of power and knowledge, theories of feminisms, theories of space, and theories of the public sphere. *Credit: 3 semester hours.*

CMS 501 Organizational Communication

An in-depth examination of internal and external organizational communication issues, including various issues, contexts, structures, and processes. Using an interdisciplinary perspective, this course analyzes strategies and tactics of leadership, collaboration, knowledge management, and public relations. It will consider various theoretical foundations and applications. *Credit: 3 semester hours.*

CMS 504 Philosophy of Communication

In this seminar we consider several topics in the philosophy of communication. Among the questions that will be discussed are: What is communication? What are the relations between communication and such concepts as thought and information? What is common to communication processes in animals and humans, and what is unique to linguistic communication? During the seminar we shall read a series of philosophical texts that address these questions, as well as articles from other disciplines. *Credit: 3 semester hours.*

Programs of Study

Master of Science in Integrated Advertising Communication

In the quickly evolving world of advertising, currently growing at over 17% annually, traditional media and conventional methods of advertising are simply not enough to capture the attention of an increasingly sophisticated consumer bombarded by thousands of advertising messages daily. Through use of lectures, readings, and by being engaged in group projects focused on consumer response, students will become familiar with the media tools and continuity practices necessary to implement a fully integrated advertising and communication campaign. Students will learn that advertising "at" the consumer is not enough anymore, and that success today relies on the ability to create a dialogue with the recipient of the message while building brand loyalty.

Admission Requirements

Admission to the M.S. in Integrated Advertising Communications is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance and letters of recommendation and other factors that suggest academic potential and motivation.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended, showing the College qualifying GPA; two to three letters of recommendation from instructors/professors or other qualified individuals, and a statement of purpose.

Program Requirements

The M.S. in Integrated Advertising Communication program requires 30 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit).

Communications Core Courses (6 credits required)

- ICM 800 Theories and Processes of Communication
- ICM 802 Media and Communication Research Methods

Integrated Advertising Communications Core Courses (21 credits required)

- ADV 100 Fundamentals of Integrated Advertising Communications
- ADV 201 Creativity and Development of the Big Idea
- ADV 301 Social and Digital Media as Integrated Advertising Communications Tools
- ADV 401 Media Planning and Execution
- ADV 402 The Process of Leading and Coaching
- ADV 501 The Role of Public Relations in Integrated Advertising Communications
- ADV 502 Legal Aspects of the Advertising Industry

Integrated Advertising Communications Campaign Planning Course (3 credits required)

- ADV 600 Development of an Effective Integrated Advertising Communications Plan

Courses

ADV 100 Fundamentals of Integrated Advertising Communications

Exploration of the transformation of advertising communication in the context of a media saturated culture in which consumers actively avoid marketing. Topics include the blurring of the boundaries between communication disciplines, building brand preference, measuring the effectiveness of media participation and advertising communication, and methods of assessing integrated advertising communication. *Credit: 3 semester hours.*

ADV 201 Creativity and the Development of the Big Idea

Generation of "The Big Idea" and the building blocks for integrated advertising communications. Topics include theories and methods of analyzing values, beliefs and behaviors of consumers, creation and application of segmentation strategies, construction of relevant campaign messaging, and a comprehensive exploration of theoretically informed creative processes. *Credit: 3 semester hours.*

ADV 301 Social and Digital Media as Integrated Advertising Tools

Examination of the impact of digital channels and platforms on advertising communication and a collaborative consumer. Focus on the significance of the prosumers as creators and consumers of media, on how digital and social media is shaping consumer preferences, purchase divisions and brand interactions, and on the assessment of the impact of digital media pertaining to integrated advertising communication in a technologically saturated society. *Credit: 3 semester hours.*

ADV 401 Media Planning and Execution

Investigation of the speeding-up of the key facets of contemporary media environments and the related consumer practices. Emphasis on the problematic of attracting diverse consumers with rapidly shifting preferences and media consumption practices; development of corresponding target marketing methods and analysis; identification and responses to contemporary industry challenges, and future projections. *Credit: 3 semester hours.*

ADV 402 The Process of Leading and Coaching

Introduction to organizational communication and leadership in the context of advertising industries. Topics include studying the relationship between versatile communication processes and styles, organizational goals and outcomes; interpersonal communication; the role of communication in the management of behavior; and the analysis of communication competencies, principles, and creativity in regards to desired outcomes in integrated advertising communication. *Credit: 3 semester hours.*

ADV 501 The Role of Public Relations in Integrated Advertising Communications

An interdisciplinary approach to incorporation of public relations theories, methods and practices into integrated advertising communication. Topics include the role of public relations in inter-organizational relationships; interdisciplinary convergences and divergences between public relations and other fields; campaign effects and perception; and the significance of new and old media in the intersection of public relations and integrated advertising communication. *Credit: 3 semester hours.*

ADV 502 Legal Aspects of the Advertising Industry

An examination of the legal environment of the U.S. advertising industry, which is the largest in the world. Students will examine an overview of advertising regulations and case law at the federal, state, and local levels and will discuss current topics in a field which is ever-changing. *Credit: 3 semester hours.*

ADV 600 Development of an Effective Integrated Advertising Communications Plan

Senior seminar culminating in an independent project. Focus on the comprehensive and

in-depth knowledge of theories, methods and practices of integrated advertising. *Credit: 3 semester hours.*

ADV 750 Integrating Advertising Independent Study

In this independent study, students research and produce a project that will enhance their knowledge of integrated advertising communications while developing professional skills that will be valuable in the workplace. Designed with a faculty advisor, the independent study is a collaborative one-to-one experience on a focused area of integrated advertising to prepare the student for success in her/his career. *Credit: 3 semester hours.*

Master of Science (M.S.) in International Communication

The Master of Science in International Communication's unique focus on international relations, communication as diplomacy, and political economy of media that makes this 36-credit program attractive to those who wish to apply communicative dimension to their professional field in an increasingly multi-sector global system.

Our nationally diversified student body along with the international students adds intellectual vibrancy to this graduate program in International Communication. The teaching philosophy is rooted in advanced models of problem-solving such as design thinking, case studies, and other high impact educational practices. The program is designed to bridge high-level theoretical modeling of complex problems with real-world experience developing solutions in the communication and media space.

Admission Requirements

For admission to the graduate studies program in International Communication, students are expected to have an undergraduate degree from an accredited institution. All applications are subject to departmental review to assess the appropriateness of the applicant; students may be accepted with Special Student status, provided that the applicants have, in the judgment of the department, necessary preparation to take on the graduate studies in the International Communication program.

Admission into the M.S. in International Communication is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. Ability is demonstrated by previous academic performance, letters of recommendation and other factors that suggest academic potential and motivation.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited

college or university, including official transcripts from each institution attended, showing the College qualifying GPA; and two letters of recommendation from instructors/professors or other qualified individuals, and a statement of purpose.

Program Requirements

To be considered as a degree candidate the student must meet the following requirements.

1. Must complete the required 36 credits for the program
2. Must maintain a minimum of 3.0 overall average
3. Those opting for thesis must follow the guidelines in consultation with the program coordinator
4. Demonstrate proficiency in a foreign language (this requirement may be fulfilled during the course of studies in the program, as long as it is before graduation)
5. Pass the Comprehensive Exam

The M.S. in International Communication program requires 36 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit).

Core Courses: (18 credits required)

- ICM 800 Theories and Processes of Communication
- ICM 801 International Communication
- ICM 802 Media and Communication Research Methods
- ICM 810 Media, Communication and Public Policy
- ICM 811 Media, Culture and Society
- ICM 812 International Communication and Global Development:

Elective Courses (18 credits chosen from the following)

- ICM 820 Communication and New Media: Building Communities
- ICM 821 International Public Relations
- ICM 822 International Advertising
- ICM 823: Media, Activism and Social Change
- ICM 828 Transnational Advocacy Campaign
- ICM 830 Crisis Communication
- ICM 833 Political Communication
- ICM 834 Media Strategies and the politics of Peacebuilding
- ICM 835 Media Governance
- ICM 836 Global Feminism and Media
- ICM 837 Media, Communication and Public Diplomacy
- ICM 838 Media, Communication and Human Rights
- ICM 839 Ideology, Propaganda and Communication
- ICM 840 Special Topics
- ICM 850 Thesis I
- ICM 851 Thesis II
- ICM 860 Internship I

- ICM 861 Internship II
- ICM 865 Independent Study

Courses

ICM 800 Theories and Processes of Communication

This course is designed to give students a working map of important theories in communication. It will take a close, critical look at some of the most important contemporary theories of human communication, emphasizing their practical applications for society, public policy, and our everyday lives. The course helps students prepare for thesis work and scholarly investigation. *Credit: 3 semester hours.*

ICM 801 International Communication

This course will focus on ideological, humanistic, economic and political aspects of communication in selected European and developing countries. An emphasis will be on the impact it has had on the mass media and on information exchange, economics and national identity. It will also examine various aspects of world telecommunication and media systems from historical, political and legal points of view. International communications networks are far from homogeneous; they are full of contradictions and they are subject to powerful social, political, and cultural forces. *Credit: 3 semester hours.*

ICM 802 Media and Communication Research

Methods Research in communication is a necessary tool in the search for answers. This course in mass media and communication research will investigate methods used in collecting and analyzing information and communication data, and will study scientific methods of qualitative and quantitative research. Students will learn to critically evaluate published research, design instruments for research and exercise them within the classroom. *Credit: 3 semester hours.*

ICM 810 Media, Communication, and Public Policy

This course will explore the role of media in influencing domestic and foreign policy. It will particularly examine the role of elite media in initiating and shaping public discourse and public policy. It will study the processes of public policy and how media mediate the outcomes of policy. It will closely examine the processes and theories of public opinion and persuasion. *Credit: 3 semester hours.*

ICM 811 Media, Culture, and Society

This course is an exploration of the role of media in popular culture and society. The media's role in reflecting society and, in turn, the role of society in shaping media practice will be explored. *Credit: 3 semester hours.*

ICM 812 International Communication and Global Development

This course will explore and propose communication as a vehicle for promoting justice and human rights in a pluralistic

society. The course will encompass a broad range of theoretical and historical studies of communication, media and development. Particular attention will be paid to the trends of globalization and economic upheaval. Students will learn the development of global communication structures and world information and communication order; a particular focus will be paid to development media and the inter-relationship between communication and development, advocacy communication, communication as an instrument of integration, and to issues of peace, war, and communication. *Credit: 3 semester hours.*

ICM 820 Communication and New Media: Building Communities

This course is designed to explore the application of new and converging media, and demonstrate, through various class projects, their proficiency in using them comfortably and effectively. This course will focus on theories of new media applications, and on the creative and developmental dimensions of new media and building communities within various cultural contexts. *Credit: 3 semester hours.*

ICM 821 International Public Relations

An interdisciplinary approach will draw case studies from a range of area, including international public relations, integrated marketing communication (international advertising), international social marketing, development and participatory communication, public diplomacy and propaganda, international non-governmental organizations (NGOs), and international responses to humanitarian crisis. *Credit: 3 semester hours.*

ICM 822 International Advertising

This course focuses on the basic principles of international marketing communication in the 21st century with an emphasis on global advertising. These principles will include global versus local creative strategies and executions, international media opportunities, and global research methods. The course does not provide a country-by-country analysis of the global marketplace. Given how quickly our world changes, this would be a futile effort. Rather, it equips the student with an understanding of the basic principles of global marketing and advertising, including the differing cultural, economic, and political factors that have an impact on international marketing communications. *Credit: 3 semester hours.*

ICM 823: Media, Activism and Social Change

An examination of the complex relationships between the media, activism, and social change. It will focus on theories and cases of media in service activism for social change, of social activism pertaining to media, and communication technologies themselves, focus on digital activism. The approach will be "engaged scholarship." It will combine theory and praxis and appreciate the discovery of "doing things differently," that is, combining

academic work with artistic/strategic/journalistic efforts. *Credit: 3 semester hours*

ICM 828 Transnational Advocacy Campaigns

Communication strategies that transnational activists have utilized to achieve such global policy change, and how these processes are today transforming global politics and norms. As the speed of globalization intensifies, global corporations are also using new and increasingly sophisticated strategies and technologies to market their products to local audiences. This course will therefore consider how corporations are implementing integrated global communications campaigns tailored to regional and domestic audiences. Students will critically assess the current environment, analyze global campaigns implemented by international advocacy groups and corporations, and learn how to design and execute their own transnational advocacy campaigns, within the context of sustainable development. *Credit: 3 semester hours.*

ICM 830 Crisis Communication

Crisis communication is an advanced level public relations course. In view of the fact that crises are becoming more and more frequent, there is a need to understand crisis communication from an academic and practitioner point-of-view. The purpose of this course is to develop a theoretical conceptualization of the process of crisis communication and an understanding of crisis communication practices. It focuses on the issues relevant to the planning, development and execution of crisis communications programs for businesses, governments, organizations and stakeholders during a crisis. A particular emphasis will be placed on covering the emergence of new media technologies, the rise of consumer power, the growing development of international public relations, and the need for an audience orientation to studying and practicing crisis communication. *Credit: 3 semester hours.*

ICM 833 Political Communication

This course reviews major areas of research in political communication, and how various forms of media shape civic life, elections, and policy decisions. It will also study how citizens, journalists, and elected officials make sense of and use political messages, and examine how news, advertising, and entertainment media shape perceptions, emotions, and behavior, how micro-targeting approaches are either complementing or replacing campaign activities and mobilization efforts. *Credit: 3 semester hours.*

ICM 834 Media Strategies and the Politics of Peacebuilding

This course will focus on how communication and media are vehicles for human development, and communication as agent of social change; it will present various models of

communication, and a particular emphasis will be on participatory model of communication. The second section of the course will seek to apply the students' understanding of these models through a focus on the study of interactive methods for negotiation and mediation to resolve conflict. Students will be introduced to practical models of conflict resolution. The course will conclude by linking communications and development with broad approaches to social peace and community building. *Credit: 3 semester hours.*

ICM 835 Media Governance

This course is designed to give students a thorough understanding the concepts, stakeholders in, and international practices of, media governance. Media governance is a concept that is used to refer to media and communication policies, as well as to self-regulation of media organizations, in the digital era. The course covers a variety of contested issues regarding media technologies, media and communications businesses, and consumption practices. In addition, questions of governance are increasingly international and even global. Challenges to privacy, intellectual property rights, crossmedia ownership, and freedom of expression no longer pertain only to individual governments, but re-define business practices, challenge marketing and PR efforts, transform the nature of journalism, and impact everyday lives of citizens all around the world. In our increasingly mediated societies, media governance challenges are constantly being debated among and between media industries, networks and service providers, journalists, policy makers, and civil society. *Credit: 3 semester hours.*

ICM 836 Global Feminism and Media

An examination of the various ways feminism is defined and used in the construction of media representations of women. Contemporary cultural theories of representation and tools for creating critical cultural analysis are reviewed with the focus not only on how women have been represented by others across cultures, but also on how women, in more recent years, have been choosing to influence means of representation. *Credit: 3 semester hours.*

ICM 837 Media, Communication and Public Diplomacy

In the media-centric world, public diplomacy is gaining greater significance. In this course students will examine and study very closely the role of transnational news and media diplomacy, how media channels are used to impact outcomes in matters of public diplomacy, and how this in turn impacts nation-state efforts in diplomacy. We will examine media as vehicle for public and cultural diplomacy, or soft power, in a world of politics, and how the line between state diplomacy and public diplomacy is increasingly blurred. *Credit: 3 semester hours.*

ICM 838 Media, Communication and Human Rights

This course will provide a thorough background for understanding how "human rights" can be used as an objective conceptual framework regardless of one's political or social persuasions, and closely examine the critical role of media in shaping the internationalization of human rights. The focus will be on successful and unsuccessful combinations that provoke and sustain tangible respect for human rights. *Credit: 3 semester hours.*

ICM 839 Ideology, Propaganda and Communication

This course is designed to study ideology and propaganda by drawing on political philosophy and history to analyses three fundamental concepts and the ways in which they are connected: ideology, propaganda and communication. *Credit: 3 semester hours.*

ICM 840 Special Topics in International Communication

This course will address topical issues and will be organized in seminar form. Guest speakers with expertise in various areas of international communication may be invited to address students. *Credit: 3 semester hours.*

Division of Sport Management

Program of Study

Master of Professional Studies (M.P.S.) in Sport Management

New York City is called "the sports capital of the world." A St. John's graduate degree in sport management offers students in this large metropolitan sport community an opportunity to pursue advanced education in this field. The coaching and international specializations serve both college graduates who wish to pursue careers in sport management and current practitioners who wish to enhance their knowledge and skills. The program provides access to education in coaching/administration and sport management founded on Vincentian principles of ethics and social justice. Professionals grounded in these principles can have a positive effect on the climate of sport, both amateur and professional.

The 36-credit program curriculum is based on the guidelines of the Commission on Sport Management Accreditation (COSMA) and the National Council for Accreditation of Coaching Education (NCACE). Two optional specializations are available in the international dimensions of sport and coaching leadership.

Coaching Leadership Specialization

This specialization meets the demand for professionally trained coaches and program administrators of school-based sport at all

educational levels, as well as positions in league and community-centered programs. Well trained, ethically grounded professionals in these areas are increasingly important for the physical and emotional well being of young athletes. Graduates with the coaching leadership specialization are well equipped for careers in both educational and professional sport areas.

International Dimensions of Sport Specialization

This specialization is designed to meet the need for managers in the increasingly complex global sport industry which extends well beyond the Olympics, Grand Slam tennis and World Cup soccer. Not only do individual college and professional athletes participate in sport outside their home countries, but also, many American college and professional teams compete with teams throughout the globe. Graduates with a specialization in the international dimensions of sport are prepared to meet the needs of both national and international sport organizations.

Admission Requirements

Admission into the M.P.S. program in Sport Management is contingent upon an assessment of the candidate's ability to successfully pursue graduate study. This assessment will be made by examining previous academic performance, letters of recommendation, the applicant's essay, work experience, performance on standardized exams (such as the GRE or GMAT), and any other evidence that the admissions committee believes to be relevant.

Degree candidates must provide the following for admission consideration: evidence of a baccalaureate degree from an accredited college or university, including official transcripts from each institution attended, showing the College qualifying GPA; and two letters of recommendation from instructors/professors or other qualified individuals (at least one of these letters must be from an instructor who has taught and evaluated the applicant in an academic setting), an essay of approximately 300 words describing the applicant's reason for pursuing graduate study and his or her leadership objectives and a CV or resume.

Note: *The GRE or GMAT is not required to be considered for admission, but the admissions committee will consider scores on standardized exams if they are submitted with the application. The admissions committee may request to interview the applicant either in person or by telephone. The final approval of admission will rest with the graduate admissions committee of the Division of Sport Management.*

Program Requirements

The M.P.S. in Sport Management program requires 36 credits that include the following. (Note: Each course listed is equivalent to 3 semester hours of credit, unless otherwise noted.)

Core Courses (21 Credits required)

- SPG 301 Strategic Sport Management
- SPG 302 Strategic Communication in Sport
- SPG 304 Philosophy, Principles, and Leadership in Sport
- SPG 305 Ethical and Legal Aspects of Sport
- SPG 306 Financial Perspectives in Sport
- SPG 312 Seminar in Sport Management
- SPG 401 Research Methods in Sport

Elective Courses (15 Credits chosen from the following)

- SPG 307 Social/Psychological Aspects of Sport
- SPG 308 Sport Science: Coaching for Optimal Performance
- SPG 309 Sport Science: Techniques and Analysis
- SPG 310 Event and Venue Administration: International Perspectives
- SPG 311 Sport Marketing: International Perspectives
- SPG 313 Power, Politics, and International Sport Governance
- SPG 314 Sport Statistics and Analytics
- SPG 315 Creativity and Innovation in Sport
- SPG 316 Risk Management in Sport
- SPG 317 Issues in Modern Sport
- SPG 318 Intercollegiate Athletics Administration
- SPG 319 Foundations and Evolution of Sport Management
- SPG 402 Special Topics in Sport Management
- SPG 403 Special Topics in International Sport
- SPG 404 Independent Study in Sport Management
- SPG 500 Internship
- SPG 502 Thesis I
- SPG 503 Thesis II
- SPG 505 Internship (3 credits)
- SPG 510 Internship (6 credits)
- SPG 520 Internship (1 credit)
- SPG 521 Internship (1 credit)
- SPG 522 Internship (1 credit)

Courses

SPG 301 Strategic Sport Management

A critical analysis of strategic management theory as it relates to sport organizations. Topics include developing and implementing effective strategic plans, conducting comprehensive environmental analyses, and managing organizational change. The course emphasizes the similarities and differences of how sport is managed in the US, the EU, and selected nations such as Australia, Japan, China, and Canada. *Credit: 3 semester hours.*

SPG 302 Strategic Communication in Sport

This course focuses on the symbiotic relationship between sport media and the sport

industry. Students will analyze and discuss key public relations concepts, strategies and best practices in the sport industry. *Credit: 3 semester hours.*

SPG 304 Philosophy, Principles, and Leadership in Sport

This course will examine the basic philosophy and principles of sport leadership in a variety of settings. Topics discussed include legal issues, functions of sport organizations, administrative duties, personal standards for administrators and coaches, public relations and safety procedures. Specific attention will be given to regulations and policies at each level of sport. *Credit: 3 semester hours.*

SPG 305 Ethical and Legal Aspects of Sport

Students will examine the legal and practical problems facing directors and industry executives in franchised, leagues, associations, and school-based programs. This course analyzes sport related tort law, criminal law, contract law, constitutional law, and labor law. Other topics include liability, methods of limiting exposure, and risk management techniques. Moral and ethical development theories are also discussed along with models of ethical analysis and situational analysis. *Credit: 3 semester hours.*

SPG 306 Financial Perspectives in Sport

Financial management and budgetary components of the sport industry are analyzed. Students will explore strategies for successful international sport financial management. Topics include economic issues affecting sport and leisure, various revenue sources, income and expenditure factors, and the various types of budgets available to administrators. Specific applications to educational, professional, and commercial sport are presented. International perspectives will be discussed in each topic area along with case studies. *Credit: 3 semester hours.*

SPG 307 Social/Psychological Aspects of Sport

Students study the structure and function of sport, and the effects of psychosocial states on the participant. Topics include socio-cultural phenomena and their influences on sport. *Credit: 3 semester hours.*

SPG 308 Sport Science: Coaching for Optimal Performance

This course introduces selected principles of biology, anatomy, physiology, kinesiology, biomechanics, psychology, and sociology related to coaching effectiveness. Applications of these areas will be discussed as they relate to human growth and development, safety, first aid, care and prevention of injuries, training and conditioning of athletes. *Credit: 3 semester hours.*

SPG 309 Sport Science: Techniques and Analysis

This course studies the techniques, skills, and methods of coaching, officiating and

participating in various sports. The course will study the growth and development of the athlete, anatomical and mechanical principles of sport, and the learning of specialized motor skills. *Credit: 3 semester hours.*

SPG 310 Event/Sport Venue Administration: International Perspectives

This course examines the management of sports facilities. Topics include financial management of sport facilities, scheduling events, event production, human resource management, and merchandising. A particular emphasis is on international event and facility management. Cooperative analysis of the administration of sport venues in the EU and selected nations such as Australia, Japan, China and Canada. *Credit: 3 semester hours.*

SPG 311 Sport Marketing: International Perspectives

The concepts and processes of successful international marketing of sport programs and events are discussed in this course. Special emphasis is placed on the application of sport marketing principles to all levels of sport organizations. Cooperative analysis of sport marketing in the EU and selected nations, e.g., Australia, Japan, China and Canada. Students are required to complete an international sport marketing research project, and write an international sport marketing proposal. *Credit: 3 semester hours.*

SPG 312 Seminar in Sport Management

Prerequisite: Completion of all core courses. Usually taken in the last semester of study, the seminar is the capstone course in the graduate sport management program. The course integrates material from previous courses and requires each student to prepare a comprehensive analysis of a significant case, problem, or policy dilemma in sport management. *Credit: 3 semester hours.*

SPG 313 Power, Politics, and International Sport Governance

The theoretical framework of organizational governance is applied to analyze the power, political influence, and policy making processes of global sport governing bodies. *Credit: 3 semester hours.*

SPG 314 Sport Statistics and Analytics

This course examines the development, management, applications, and use of statistics and analytics in sports. Students will learn about how sport statistics and analytics are created, collected, organized, used, and applied both within sports, teams, and organizations, as well as outside sports by the media, agents, and the general public. *Credit: 3 semester hours.*

SPG 315 Creativity and Innovation in Sport

Creating new businesses, capturing new markets, enhancing organizational effectiveness occur through innovation and transforming

process. New technologies, processes, competition and globalization compel sport organizations to distance themselves from the familiar and foster innovation and agility. This course examines the creative process, successful strategies, barriers and risks for introducing industry disrupting products and services. *Credit: 3 semester hours.*

SPG 316 Risk Management in Sport

Prerequisite SPG 305. Focuses on the practical aspects and intersection of sport law, sport management and risk management. In this course, students will develop the knowledge and skills necessary to recognize and work to eliminate potentially dangerous situations in sport environments. The focus of this course is to aid students in understanding how they can assist the sport organizations for which they work in activities such as eliminating unnecessary injuries and reducing the possibility of financial losses based on lawsuits raised due to issues such as negligence. *Credit 3 semester hours.*

SPG 317 Issues in Modern Sport

Focused on the issues facing the stakeholders of modern sport around the world. In this course, students will develop targeted knowledge, skills and understanding of issues pertaining to a variety of opportunities and challenges facing the sport industry around the world. Due to the issues that frequently arise in global modern sport, the focus of this course is on educating the students about those issues and preparing students to lead activities focused on remedying those issues. *Credit: 3 semester hours.*

SPG 318 Intercollegiate Athletics Administration

Focused on the management of and issues facing intercollegiate athletics programs. In this course, students will develop their understanding of administrative and management knowledge and skills necessary to effectively work in intercollegiate athletics programs. The focus of this course is on the numerous unique aspects of intercollegiate athletics programs and developing understanding of how to successfully navigate these unique opportunities and challenges. *Credit: 3 semester hours.*

SPG 319 Foundations and Evolution of Sport Management

Designed to provide a chronological and topical examination of the history of sport as a business in the United States, this course begins with the colonial era and ends with the present. Over the course of the semester, students will analyze various social, cultural, and economic occurrences and events that influenced and created the modern sport business as we know it, while also considering how race, gender, class, and ethnicity have shaped both the contemporary and historical sport experience. *Credit: 3 semester hours.*

SPG 401 Research Methods in Sport

Students will examine specific research and methods in sport. Students critically examine published studies and learn to appreciate research as a professional tool for sport managers. The course also prepares students to write a research proposal. *Credit: 3 semester hours.*

SPG 402 Special Topics in Sport

Focuses on selected topics in sport management. This syllabus offers a macro analysis of career opportunities in the sport industry. Intensive review of the industry segments, education and experience necessary for specific employment prospects at home and abroad are investigated, and the challenges of contemporary issues related to employment including global markets and international sport governance are also covered. *Credit: 3 semester hours.*

SPG 403 Special Topics in International Sport

Intensive examination of numerous aspects of the global sport industry and issues facing those that work in international sport. Sport organizations are engaged in international activities, and as a result, it is incumbent upon sport managers to examine and understand similarities and differences in sports around the world and become globally competent sport managers. *Credit: 3 semester hours.*

SPG 404 Independent Study in Sport Management

Pre-requisite: SPG 401 Student must be in good standing with 24 SPG credits completed. A planned program of independent study designated for advanced study and research in an area of Sport Management. Under the supervision of a faculty member, a student will work on a particular topic, paper, or creative project. Independent studies are graded courses, the details of which are formulated by the student and his or her instructor; these specifics are described in the Independent Study proposal and submitted to the Chair's Office for approval. *Credit: 3 semester hours.*

SPG 500 Internship

Prerequisites: Completion of 18 credits and the permission of the program coordinator. The internship provides students with in-depth experience in a sport management work setting. Management practices will be applied to enhance the students' network and job placement opportunities. A member of the faculty completes final agreements and arrangements. *Credit: 3 semester hours.*

SPG 502 Thesis I

Prerequisites: SPG 401 and permission of the program coordinator. Supervised research leading to the preparation and completion of a master's thesis in partial fulfillment of the M.P.S. in Sport Management degree requirements. *Credit: 3 semester hours.*

SPG 503 Thesis II

Prerequisites: SPG 502 and permission of the program coordinator. Supervised research leading to the preparation and completion of a master's thesis in partial fulfillment of the M.P.S. in Sport Management degree requirements. *Credit: 3 semester hours.*

SPG 510 Internship

Prerequisites: Completion of 18 credits and the permission of the Program Director. The internship provides students with in-depth experience in a sport management work setting. Management practices will be applied to enhance the students' network and job placement opportunities. A member of the faculty completes final agreements and arrangements. *Credit: 6 semester hours.*

SPG 505 Internship

Pre-requisite: completion of 18 credits and permission of the program coordinator. The internship provides students with in-depth experience in a sport management work setting. Management practices will be applied to enhance the students' network and job placement opportunities. A member of the faculty completes final agreements and arrangements. *Credit: 3 semester hours*

SPG 520 Internship

Pre-requisite: completion of 18 credits and permission of the program coordinator. The internship provides students with in-depth experience in a sport management work setting. Management practices will be applied to enhance the students' network and job placement opportunities. A member of the faculty completes final agreements and arrangements. *Credit: 1 semester hour.*

SPG 521 Internship

Pre-requisite: completion of 18 credits and permission of the program coordinator. The internship provides students with in-depth experience in a sport management work setting. Management practices will be applied to enhance the students' network and job placement opportunities. A member of the faculty completes final agreements and arrangements. *Credit: 1 semester hour.*

SPG 522 Internship

Pre-requisite: completion of 18 credits and permission of the program coordinator. The internship provides students with in-depth experience in a sport management work setting. Management practices will be applied to enhance the students' network and job placement opportunities. A member of the faculty completes final agreements and arrangements. *Credit: 1 semester hour.*

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University Libraries

The St. John's University Libraries engage in the teaching and learning process by providing information resources, instructional services, research assistance and other information services for University programs, students and faculty. The libraries are comprised of two campus libraries, Queens and Staten Island, and an additional collection on the Rome campus. The University Libraries provide onsite access to all resources and to study space, as well as a growing collection of resources and services available remotely to all authenticated members of the University community and in support of our global campuses and online learning programs. St. John's University School of Law separately maintains the Rittenberg Law Library on the Queens campus. The Davis Library on the Manhattan campus is independently managed by St. John's School of Risk Management, Insurance and Actuarial Science, and is open to all St. John's University students and faculty. Established in 1901, the Davis Library houses one of the largest collections of contemporary and historical insurance materials in the world.

The Main Library on the Queens campus is a selective depository for United States government documents, and houses Special Collections and the University Archives. The Main Library also oversees the Chin Ying Asian Library located in Sun Yat-Sen Hall.

The Loretto Memorial Library, with over 100,000 volumes including periodicals and microform collections, is a focal point of the Staten Island campus.

On campus and virtually, subject specialist librarians deliver discipline-specific research support and instruction appropriate to advanced levels of research and scholarship. Cooperative arrangements with other libraries provide regional, national and international access to materials.

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Andrew Seville, *Assistant Director, Technical Services, Davis Library*, B.S. St. John's University; M.L.S., St. John's University.

Academic Service-Learning

As an added means of fulfilling its Mission, the Office of Academic Service-Learning (AS-L), was founded in 1995. It is now a part of the Vincentian Institute for Social Action (VISA). VISA was launched by the University to more visibly embed St. John's Catholic and Vincentian mission into the educational experience of its students. VISA provides an organizational focus for a variety of new and ongoing programs through which faculty and students can work together to explore the causes of and develop solutions for poverty and social injustice throughout the world. Using Academic Service-Learning, faculty engage students in serving in the community to fulfill the learning goals and objectives of their courses. The service is used as a means for students to better understand course concepts. Reflection activities tie together what is learned in the classroom to the service performed in the community. While reflecting on their service experience, students are also able to gain insight into how their service in the community fulfills the St. John's mission as a Catholic and Vincentian university.

Academic Service-Learning can be incorporated in both graduate and undergraduate courses across all disciplines and at all campuses, as well as in courses taught globally and online. For further information on Academic Service-Learning, please contact Louis Saavedra, Assistant Director, at 718-990-6499 or saavedrl@stjohns.edu.

Student Consumer Information

The following is a summary of the Student Consumer Information that is available to students. Please refer to www.stjohns.edu/about/student-consumer-information for additional and the most up to date student consumer information.

For information on degrees conferred, enrollment, and other student data, please refer to the University Factbook at www.stjohns.edu/factbook

Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational records. They include the right to: (1) inspect and review educational records; (2) request an amendment to these records; (3) consent to disclosures of personally identifiable information in these records; (4) restrict disclosure of information designated as directory information that may be released without consent of the student; and (5) file a complaint with the U.S. Department

of Education for alleged failure by St. John's University to comply with FERPA requirements.

FERPA provides that "Directory Information" may be released to any person without the written consent of the student, unless the student has requested that such information not be disclosed. For further information go to www.stjohns.edu/FERPA

Services for Students with Disabilities

The Office of Disabilities Services coordinates equal opportunities for students with disabilities. These services are designed to ensure, for all students, full participation in programs and activities offered throughout the St. John's University. The aim of these services is to improve the quality of the academic, social, and personal lives of students who have a disability and to provide barrier-free educational opportunities, assisting students in becoming self-advocating and independent.

St. John's University provides reasonable accommodations to students with disabilities with consultation from their academic programs when necessary. Reasonable accommodations are adjustments to policies, practices, or procedures that facilitate equal access and opportunity for students with disabilities to the University's programs, activities and services. Services for students with a documented disability are available through the Office of Disabilities Services (www.stjohns.edu/disabilityservices)

The goal of documentation is twofold: to verify and support the student's status as disabled and to address the way in which the disability impairs the student's access to education. The documentation should provide a meaningful understanding of the student's limits and, importantly, detail reasonable accommodations which will effectively equalize the student's ability to perform in the university setting.

All documentation should be submitted directly to ODS. Students requesting accommodations should schedule an appointment with an ODS administrator as early in their tenure at St. John's as possible.

Guidelines Determining Eligibility for Services

St. John's University students requesting accommodations for a disability must present verification of eligibility through documentation of the disability and current functional limitations. The documentation, written on letterhead, should be provided from an appropriate clinician and include the following elements:

- Diagnosis/diagnoses*
- Accommodation(s) needed
- Rationale for the accommodation(s) given the diagnosis/diagnoses
- Appropriate health care provider's signature and license number.

*Please note:

- If diagnosis is Learning Disability, Attention Deficit Hyperactivity Disorder (ADHD), or an Autistic Spectrum Disorder (ASD, including Asperger's Disorder), please submit psychoeducational evaluation and, if available, Individual Educational Plan (IEP).
- If diagnosis is related to a psychological/psychiatric, DSM or ICD format should be provided.
- If diagnosis is for a temporary condition, provider must indicate a time frame for accommodations.
- If multiple diagnoses are to be considered for accommodations, documentation must meet the requirements for each diagnosis.
- An ODS administrator will evaluate the documentation and requested accommodations. When necessary, specific academic units will be consulted regarding the accommodations. Additional documentation may be required to support the student's request.

Accommodations

Services for students with a documented disability are available through the Office of Disability Services. All documentation should be submitted directly to the ODS. Students requesting accommodations should identify their needs as early as possible. All information regarding the student's accommodations is provided to the student. Types of accommodations may include:

- Extended test time (time plus one-half, unless otherwise documented)
- Separate testing room under a proctor's supervision
- Sign language interpretation
- Readers for exams
- Scribes for exams
- Assistance with course or program accessibility
- Note taking assistance
- Assistive technology
- Priority registration
- Assistance with access challenges

Accessible Parking Permits

Accessible parking spaces are limited and, pursuant to law, only individuals with appropriately issued accessible parking permits can park in these locations. Any member of the University community with a disability requesting permission to park in accessible parking areas must apply to the appropriate municipal authority to secure a New York State accessible parking permit. A parking zone identified with a sign bearing the international disability symbol is restricted at all times for use by vehicles bearing BOTH a valid SJU parking permit and New York State issued accessible parking permit.

Temporary Accessible Parking Permits

St. John's University supports the provision of disability parking spaces at a reasonable proximity to campus buildings for people with a temporary disability. Accessible parking privileges will be granted only after submission of documentation of need to the Office of Disability Services. Medical documents or physician's letter, which include diagnostic statement and healthcare provider's license number, must indicate that the applicant has established physical limitations. Upon the approval of documentation, a temporary accessible parking permit may be obtained from the Office of Public Safety, provided that the community member has a valid parking permit and a valid photo ID.

Queens Campus

Marillac, Room 134
Tel: 718-990-6867
Fax: 718-990-2609

Staten Island Campus

Spellman Hall, Room 101
Tel: 718-390-4451
Fax: 718-390-4036

For more information about the Office of Disabilities services and hours of operation please visit www.stjohns.edu/disabilityservices

Annual Security and Fire Safety Report

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act) St. John's University publishes an Annual Security and Fire Safety Report (ASR). The ASR includes three years' worth of campus crime statistics for incidents that occurred on campus; in certain off-campus buildings; in property owned or controlled by St. John's University; and on public property within, or immediately adjacent to and accessible from, campus. The report also contains information regarding campus

security and personal safety, including topics such as crime prevention and fire safety. You can view the University's campus crime statistics in the ASR at www.stjohns.edu/safetyreport. This information is also available from the United States Department of Education at <https://ope.ed.gov/campusafety/#/institution/search>.

Procedures for reporting a missing student are also available in the ASR.

Printed copies are available upon request from Public Safety at, 718-990-6281.

Athletic Program Participation Rates and Financial Support Data

For completion and graduation rates for students who receive athletically-related student aid and the annual Equity in Athletics Disclosure Act Report that contains participation rates, financial support and other information on men's and women's inter-collegiate athletic programs, please call Doug Trani at extension 6803.

Teacher Education Preparation Programs

Our teacher preparation program is approved by the New York State Education Department and was previously accredited by the Teacher Education Accreditation Council (TEAC). We maintain that accreditation while moving toward new accreditation—the Association for Advancing Quality in Education Preparation (AAQEP).

A student spends an average of 28 hours a week student teaching depending on the program. The most current pass rates are available at <https://title2.ed.gov>.

Copyright Infringement Policy and Sanctions

Sharing copyrighted works without the owner's permission is illegal and in violation of University policy. Copyrighted works may include songs, films, television shows, video games, software, and other original creative works. Information on University policy can be found at <https://www.stjohns.edu/computer-and-network-use-policy>

Complaint Resolution for Online Learning

St. John's University is committed to providing online learning students with an exceptional education experience that is transparent, efficient, stimulating and fair. If, as a prospective or current student, you feel that your experience with a online learning course or program for the University has not lived up to those standards, you may register a

complaint. For information on the process, please contact Cynthia Phillips at extension 1329.

Other General Institutional Information

St. John's University Alcohol and Drug Policy

<https://www.stjohns.edu/about/leadership-and-administration/administrative-offices/office-provost/division-student-affairs/student-handbook/section-3-policies-and-procedures#drug-alcohol-policy>

Placement Rates

For detailed information on placement rates, please visit: <https://www.stjohns.edu/life-stjohns/career-services/career-outcomes>.

Financial Aid

For additional information on Financial Aid offered at St. John's University, please refer to the Financial Aid section of this bulletin or visit <https://www.stjohns.edu/admission/tuition-and-financial-aid>.

Vaccination Policy

St. John's University's policy on vaccinations can be found at www.stjohns.edu/healthservices

Voter Registration

St. John's University makes voter registration forms available to their students at locations throughout the University. Additional information and links to registration forms can also be found at <https://www.stjohns.edu/academics/office-registrar>

Officers of Administration

Rev. Brian J. Shanley, O.P., S.T.L., Ph.D.,

B.A., Providence College; Ph.L., The Catholic University of America; M.Div., S.T.L., Dominican House of Studies; Ph.D., University of Toronto; President

Rev. Aidan R. Rooney, C.M. '78C, B.A.,

St. John's University; M.Div., Mary Immaculate Seminary; Executive Vice President for Mission

Simon G. Møller, Ph.D., B.S.,

University of Leeds; M.S., Imperial College London; Ph.D., University of Leeds; Provost and Vice President for Academic Affairs

Sharon Hewitt Watkins, C.P.A., B.S.,

New York University; M.A., Columbia University; Vice President for Business Affairs, Chief Financial Officer, and Treasurer

Nunziatina A. Manuli '97MBA, B.A., State University of New York at Albany; M.B.A., St. John's University; Vice President and Chief of Staff

Joseph E. Oliva, Esq. '91CBA, '94L, B.S., J.D., St. John's University; M.A., Seminary of the Immaculate Conception; Vice President for Administration, University Secretary, and General Counsel

Rachel Pereira, Ed.D., Esq., B.A., Hunter College, City University of New York; M.S., Ed.D., Rutgers University; J.D., University of Pennsylvania Carey Law School; Vice President of Equity and Inclusion

Christian P. Vaupel, Ed.D., B.S., M.S., Adelphi University; Ed.D., University of Pennsylvania; Vice President for Advancement and University Relations

Sarah Jean Kelly, B.A., Wellesley College; M.Ed., University of Virginia; J.D., Georgetown Law; Vice President for Student Success

Recognition/Accreditation

Accreditation Council for Pharmacy Education (ACPE)

Accreditation Review Commission on Education for the Physician Assistant (ARC-PA)

Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC International)

American Bar Association (ABA)

American Chemical Society (ACS)

American Library Association (ALA)

American Psychological Association (APA)

Association of American Law Schools (AALS)

Commission on Accreditation of Allied Health Education Programs (CAAHEP)

Council for Accreditation of Counseling and Related Educational Programs (CACREP)

Council on Academic Accreditation - American Speech-Language-Hearing Association (CAA)

Joint Review Committee on Education Program(s) in Radiologic Technology (JRCRT)

Middle States Commission on Higher Education (MSCHE)

1007 North Orange St

4th Floor, MB #166

Wilmington, DE 19801

Telephone: (267) 284-5011

E-mail: info@msche.org

Spanish: españolinfo@msche.org

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

National Association of School Psychologists (NASP)

National Association of Schools of Art and Design (NASAD)

New York State Education Department (NYSED)

Teacher Education Accreditation Council (TEAC) currently managed by the Council for the Accreditation of Educator Preparation (CAEP)

The Association to Advance Collegiate Schools of Business (AACSB International) (Business and Accounting)

The University maintains membership in some 200 professional organizations.

Founded by the Vincentian Community. Chartered by the Board of Regents of the University of the State of New York.

Queens Campus Facilities

Queens Campus, housing the principal administrative offices of the University, is located on a 105-acre tract in the Hillcrest section of the borough.

Belson Hall and **Finley Hall** house The School of Law, including the Office of the Dean, Registrar, Admissions, Career Services, Clinics, the Law Library, the Writing Center, LLM Center, the Belson Moot Court Room, classrooms, faculty offices, student lounges, a cafeteria, and other areas to support The School of Law.

The Bursar is located in the garden level across from Carnesecca as well as a Jewish Prayer Room.

The home of The Peter J. Tobin College of Business includes high-tech classrooms, faculty offices, a student collaboration space, the Lesley and William Collins Business Analytics Lab, and the Paul and Carol Evanson Career Services Center. It also houses the Division of Student Affairs.

Carnesecca Arena, the athletic center, houses the main gymnasium seating approximately 5,000, an auxiliary gymnasium, various athletic activities rooms, coaches' offices, the Little Theatre and classrooms for hygiene and physical education. The Belson Soccer Stadium and varsity baseball field are also located on the Queens campus. Student Development for Athletes.

Jack Kaiser Stadium and varsity baseball field are also located on the Queens campus.

Chiang Ching-Kuo Hall houses the Offices for Career Services.

Council Hall houses Undergraduate Welcome Center.

D'Angelo Center houses Office of Student Life, mailboxes and offices for student organizations and locker rental services, Board Room, Multipurpose Room, lounges, meeting rooms, seminar rooms, classrooms, Division of Student Affairs Office and Coffee House.

DaSilva Hall houses the Office of Health Services (entrance on the residence walkway).

De Paul Complex is the off-campus student housing.

Donovan Hall houses the Office of Residence Life and a satellite mail room (entrance behind Donovan Hall at garden level).

Founders Village is the on-campus housing environment that contains five townhouses.

Henley Road off-campus housing.

Lourdes Hall houses the Vincentian Institute for Social Action, Ozanam Scholars, and Transfer Students.

Montgoris Dining Facilities

Primary dining hall for Residence Village.

Newman Hall houses the central University executive and administrative offices. It also houses the University Computer Center, Enrollment Management, International and Graduate Admission, Office of Institutional Research, Registrar, Office of Financial Services (Financial Aid/Bursar) Information Technology and Business Affairs.

O'Connor Hall houses the Learning Communities (entrance at rear of building).

Residence Village is the on-campus housing environment that contains the six residence buildings, O'Connor Hall, Carey Hall, DaSilva Hall, Century Hall, Donovan Hall, Hollis Hall, and the women's softball field.

Seton Complex is the off-campus student housing that contains the Speech & Hearing Center, and Center for Psychological Services.

St. Albert the Great Hall houses the College of Pharmacy and Health Sciences and the science departments, Environmental Health and Safety. In addition to classrooms, science laboratories and faculty offices, the building also contains an auditorium and an animal care facility.

St. Augustine Hall is the center of the University's library system as well as the home for The Lesley H. and William L. Collins College of Professional Studies. The building is comprised of other special features or facilities such as seminar rooms, carrels, exhibition areas, the Health Education Resource Center the Faculty/Department of Clinical Pharmacy Practice, Honors Program, the University Freshman Center, the Writing Center, Writing

Across Communities, First Year Writing, the tutoring center, and quiet study rooms. McNair Scholars Program.

St. John the Baptist Hall houses International Student Services, Liberty Partnership, the Graduate Division of ESL Program, Committee on Latin American and Caribbean Studies, St. John's College of Liberal Arts and Sciences, the Division of Special and Opportunity Programs, and the Chaplain. It contains fine arts studios, photography darkrooms, classrooms and faculty offices.

St. Louise de Marillac Hall houses Campus Ministry, a closed-circuit Television Center, classrooms, faculty offices, the Counseling Center, Office of Global Studies, Psychology Department, Campus Ministry, an auditorium, and the main food court. The Marillac Food Court seats over 500 people. The University bookstore is located on the lower level.

St. Thomas More Church is a freestanding church that houses the Campus Ministry office.

Sullivan Hall houses the offices of The School of Education, the Academic Technology Center, Laptop Repair Center, classrooms, lecture rooms, and special purpose teaching facilities.

Sun Yat Sen Hall houses the Center of Asian Studies, Chung-Cheng Art Gallery, Faculty Lounge, Vincentian Center for Church and Society, and the Inclusivity Resource Center.

The Dr. Andrew J. Bartilucci Center is a recently acquired 40,000 square foot building. The facility is utilized for instruction in some academic programs and various certificate programs offered by the College of Pharmacy and Allied Health Professions.

The Rev. John B. Murray House is the recently constructed residence that provides living accommodations for the Vincentian Fathers and is located near St. Thomas More Church. The spacious, three-story building boasts a common living room with a working fireplace, a reading area/library, chapel and dining room.

The Second Lt. Thomas J. McDonald Reserve Training Center is named for a distinguished alumnus of St. John's College who was killed in World War II. It was erected by the federal government on a portion of the campus leased from the University. Campus Facilities and Services, Public Safety, Storm Card Office, Printing and Distribution, University mail services, and the ROTC facilities are housed here.

University Center houses Alumni Relations, Office of University Events, Marketing and Communications, Institutional Advancement, Community Relations, Undergraduate Admission, and Human Resources.

Taffner Field House

The facility houses:

Department of Athletics:

- (2) varsity basketball courts, with amenities for volleyball poles
- (2) teams' locker rooms, bathrooms, shower rooms, and lounges for the men's and women's players
- Office level with (2) private bathrooms, locker rooms and pantries to accommodate the men's and women's basketball coaches
- A weight training room and medical training room, designed specifically for basketball
- A basketball equipment storage room
- (2) recreational basketball courts, with amenities for volleyball poles
- (2) recreational locker rooms, bathrooms, shower rooms
- Recreational gathering area featuring a community lounge
- A recreation equipment storage room

Staten Island Campus Facilities

Staten Island Campus is located on Grymes Hill in Richmond County.

Campus Center On the upper level of this building is the gym, the lower level houses the cafeteria, game room, Student Affairs offices, Student Government (SGI) and the health office.

DaSilva Center Academic Center Housed in this building, on the third floor, are faculty offices for St. John's College and the School of Education. On the second floor are classrooms and the School of Education Dean's office. On the first floor are the RCSF Finance/Accounting Lab and Technology Hub and the School of Education Teaching and Learning Classrooms.

Flynn Hall, the Administration building, houses the offices of the Vice Provost and Campus Operations. Also in this building is the University Career Center and the Dean's offices of St. John's College and Tobin College of Business.

Kelleher Center houses Admissions and the Office of Student Enrollment Services along with the Fitness Center, Student Lounge and various meeting spaces, including our premier event space, the Kiernan Suite.

Lavelle Hall contains classrooms, the St. Vincent DePaul Chapel, offices for Campus Ministry and ROTC and the Speech Pathology Lab.

Mahoney Hall provides classrooms, the Student Success Center. The Rathskeller/Student Lounge is located on the lower level, is a multi-function student space and is equipped with vending machines.

Notre Dame House Campus Ministry is housed in this building as well as the Facilities office and shop.

Rosati Hall The Lesley H. and William L. Collins College of Professional Studies faculty offices and Alumni Relations are housed here.

Spellman Hall houses the following Offices: The Peter J. Tobin College of Business faculty offices, Public Safety, The Center for Counseling and Consultation and the Blackbox Theatre.

The Loretto Memorial Library is committed to the teaching and learning processes by providing information resources and instructional services. It contains over 134,000 volumes of books, periodicals, microfilm, and microfiche which support the undergraduate and graduate programs of the University. An instructional program provides training in the use of library materials through class lectures, orientation programs and individual instruction. Computer terminals located throughout the library provide access to numerous databases, including the catalogs of three St. John's libraries and other consortium libraries, journal citation databases and full-text document services. Cooperative arrangements with other libraries provide regional, national and international access to materials. The library also contains the Language Laboratory and lounge where art exhibits and other community events are held.

Manhattan Campus Facilities

The Manhattan Campus is located in lower Manhattan at the Astor Place Plaza opposite Cooper Union's historic building. It occupies both part of the concourse and first floor and the entire 2nd floor. There are 14 classrooms, Public Safety, Library, MPR, Computer Labs, Administrative offices, The Peter J. Tobin College of Business Graduate Office, The School of Education, the St. John's College of Liberal Arts and Sciences, and the School of Risk Management.

Directions to Queens Campus

By Automobile

From Long Island (North): *Option One*
Take the Northern State Parkway to the Grand Central Parkway, exit at 188th Street. Turn left at the light, and make an immediate right onto the service road. Follow the service road to Utopia Parkway; bear right to campus.

Option Two

Take the Long Island Expressway and exit at Utopia Parkway. Make a left on Utopia Parkway and proceed to Union Turnpike. The campus is on the right.

From Long Island (South): Take the Southern State Parkway to the Cross Island Parkway. Proceed to the Grand Central Parkway (West), and exit at 188th Street. Turn left at the light, and make an immediate right onto the service road. Follow the service road to Utopia Parkway and bear right to campus.

From the Bronx: Triboro Bridge to Grand Central Parkway (East), exit at Utopia Parkway. Left at light to campus.

Throgs Neck Bridge to Clearview Expressway (South) to Union Turnpike (West) exit. Right on Union Turnpike to Gate 4 (175th Street).

From Westchester, Rockland and

Connecticut: Proceed with directions from the Bronx.

From Brooklyn: Jackie Robinson (Interboro) Parkway onto Grand Central Parkway to exit for Parsons Blvd. Remain on service road until you reach Utopia Parkway and make a left at the light to campus.

From Manhattan: Queens Midtown Tunnel onto Long Island Expressway, exit at Utopia Parkway (exit 25), right on Utopia to Union Turnpike.

From New Jersey: George Washington Bridge onto Cross Bronx Expressway to Throgs Neck Bridge to Clearview Expressway (South). Proceed as under Bronx above. Verrazano-Narrows Bridge to Belt Parkway to Van Wyck Expressway. Proceed as under Brooklyn.

By Public Transportation

IND: "E" or "F" train to Union Turnpike - Kew Gardens station. Q46 bus to Utopia Parkway and Union Turnpike.

"F" train to 169th St. station. Q30 bus or Q31 bus to St. John's University.

IRT: Flushing subway to Main St., Flushing; Q17 bus to Utopia Parkway and Long Island Expressway. Transfer to Q30 or Q31 bus for St. John's University.

LIRR: Jamaica Station. Q30 or Q31 bus to 169th St. and Hillside Ave. Flushing station. Q17 bus to Utopia Parkway and Long Island Expressway. Transfer to Q30 or Q31 bus for St. John's University.

Bus: Express bus from Manhattan to Queens campus via Union Turnpike. Additional bus lines serve the immediate vicinity from Nassau, Queens, Brooklyn, Manhattan and the Bronx.

Directions to Staten Island Campus

By Automobile

From Manhattan: West Side Highway or F.D.R. Drive to Brooklyn-Battery Tunnel. Follow signs "Staten Island" and/or "Verrazano-Narrows Bridge" to Staten Island. Take Staten Island Expressway (Interstate 278) West to the Richmond Road/Clove Road exit. Proceed on service road past two traffic signals and turn right at the third (Clove Road). Turn right at the next traffic light (Howard Avenue) and proceed approximately one mile on Howard (eight minutes from bridge).

Take the Staten Island Ferry from South Ferry, Manhattan to St. George, S.I., and proceed as from St. George.

From St. George: Proceed straight into Bay Street. Turn right at Victory Boulevard. At Eddy Street (opposite Silver Lake), turn left. At the end of Eddy Street turn right on Howard Avenue to Greta Place which leads to the campus.

From Brooklyn: Belt Parkway or Brooklyn-Queens Expressway to Verrazano-Narrows Bridge; proceed as from Manhattan.

From New Jersey: Via Bayonne or Goethal Bridge, stay on Staten Island Expressway (Interstate 278 East) to the Richmond Road/Clove Road exit. Follow service road to first traffic light. Turn left onto Clove Road. Turn right at Howard Avenue (second light) and proceed approximately one mile on Howard. Campus is on the left. Via Outerbridge Crossing—follow West Shore Expressway (Rte 440N) to Staten Island Expressway (278 East) and proceed as above.

By Public Transportation

From Manhattan: Staten Island Ferry from South Ferry, Manhattan to St. George, S.I., and follow directions from St. George to the campus.

From St. George, S.I.: Buses marked S61, 62, 66, or 67. Get off at Clove Road and Victory Boulevard and transfer to Grymes Hill Shuttle bus direct to Arlo Road, adjacent to the campus.

From Brooklyn: Take the S53 bus (at 86th St. and Fourth Avenue) across Verrazano-Narrows Bridge to Clove Road and Howard Avenue. Transfer to Grymes Hill shuttle bus direct to Arlo Road, adjacent to the campus.

Directions to Manhattan Campus

By Automobile

From Western Upstate New York: New York State Thruway to Route 81 south, to Route 17 East, to New York State Thruway at Harriman, New York. Proceed to Palisades Parkway, to George Washington Bridge, to Henry Hudson Parkway, which becomes the West Side Highway South. Proceed past Canal St. Take the 1st left onto W Broadway. Turn right onto W Houston St. Turn left onto Lafayette St. Turn right onto Astor Place.

From Eastern Upstate New York: Take the Major Deegan Expressway (Route 87) to the Triboro Bridge, cross the bridge to Manhattan and onto the FDR Drive South. Exit at 23rd Street. Turn right onto E 25th St. Turn left onto 2nd Ave. Turn right onto E 9th St. Turn left onto 3rd Ave.

From New Jersey: Proceed through the Holland Tunnel to Canal Street. Take the 1st left onto W Broadway. Turn right onto W Houston St. Turn left onto Lafayette St. Turn right onto Astor Place.

From Long Island: Take the Long Island Expressway. Head west on I-495 W towards Exit 51. Take the exit on the left toward E 35th St. Take the 1st right onto 2nd Ave. Turn right onto E 9th St. Turn left onto 3rd Ave.

Parking is available at Alliance Parking Services, at the corner of E 9th St. and 3rd Ave.

By Public Transportation

From Queens: Take E Train Heading towards World Trade Center, Transfer to Downtown 6 Train at Lexington Avenue-51 St., Get off at Astor Place.

Take F Train Heading towards Manhattan, Transfer to Downtown N or R Train at 34th St. Herald Square, Get off at 8 St. NYU.

Take 7 Train Heading towards Manhattan, Transfer to Downtown 6 Train at Grand Central 42 St., Get off at Astor Place.

From Brooklyn: Take L Train Heading towards 14th St., Transfer to Downtown 6 Train at 14th St.-Union Square, Get off at Astor Place.

Take N,R Train Heading towards Manhattan, Get off at 8 St. NYU.

Take B,D,F,M Train Heading towards Manhattan, Transfer to Uptown 6 Train at B'way-Lafayette St., Get off at Astor Place.

Take 4,5 Train Uptown, Transfer to 6 Train at Brooklyn Bridge City Hall, Get off at Astor Place.

From Bronx: Take 6 Train to Brooklyn Bridge City Hall, Get off at Astor Place.

Take 4,5 Train Downtown, Transfer to 6 Train at Grand Central 42 St., Get off at Astor Place.

Take 1,2 Train Downtown, Transfer to N or R Train at Times Square 42 St., Get off at 8 St. NYU.

Take B,D Train Downtown, Transfer to N or R Train at 34th St. Herald Square, Get off at 8 St. NYU.

From Staten Island: Get off Staten Island Ferry, **Take 4,5 Train** Uptown at Bowling Green, Transfer to 6 Train at Brooklyn Bridge City Hall, Get off at Astor Place.

Get off Staten Island Ferry, **Take R Train** Uptown at Whitehall St. South Ferry, Get off at 8 St. NYU.

From Penn Station and Port Authority Bus Terminal:

Take E Train Heading towards World Trade Center, Transfer to L Train at 14 St., Take L Train Heading towards Brooklyn until 14 St-Union Square, Transfer to 6 Train Downtown, Get off at Astor Place.

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