



# 2011-2014 UNDERGRADUATE CATALOG



## IMPORTANT NOTICE TO STUDENTS

The Undergraduate Catalog of New Jersey City University is published on a regular basis and presents announcements regarding general information, academic regulations, and/or academic programs extant at the date of publication. The University reserves the right to change any of its announcements, regulations, or requirements at any time without notice or obligation. The procedures, policies, and/or fees are subject to change. Further, this information does not constitute a contract, and the University reserves the right for any reason to cancel or modify any course or program listed herein, or to make changes in any of the material contained herein at any time. Individual course offerings and programs may vary from year to year as circumstances dictate.

For the most current information about course offerings, academic programs, policies, and regulations, students are directed to the University website at [www.njcu.edu](http://www.njcu.edu) and the most recent Master Course List.

The Office of Academic Affairs is responsible for the preparation of the content of this publication, in consultation with the Office of Publications.



2011-2014  
**UNDERGRADUATE CATALOG**

**FAILURE TO READ THE UNDERGRADUATE CATALOG DOES NOT EXCUSE A STUDENT  
FROM THE REQUIREMENTS AND REGULATIONS AS DESCRIBED HEREIN.**

**Board of Trustees 2011–2012**

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**Accreditation**

New Jersey City University is accredited by the **Middle States Commission on Higher Education**, 3624 Market Street, Philadelphia, PA 19104 (ph: 267-284-5000). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation. Programs in the College of Education, at the undergraduate and graduate levels, are accredited by the **National Council for Accreditation of Teacher Education**, 2010 Massachusetts Avenue NW, Suite 500, Washington, DC 20036 (ph: 202-466-7496). The arts and media arts programs are approved by the **National Association of Schools of Art and Design**, 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248 (ph: 703-437-0700). The music education program is accredited by the **National Association of Schools of Music**, 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190 (ph: 703-437-0700). The business administration program is accredited by the **Association of Collegiate Business Schools and Programs**, 11520 West 119th Street, Overland Park, KS 66213 (ph: 913-339-9356). The nursing program is accredited by the **National League for Nursing Accrediting Commission**, 3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326 (ph: 404-975-5000). All education programs are approved by the **New Jersey State Department of Education**, P.O. Box 500, Trenton, NJ 08625 (ph: 609-292-4469). The school psychology program is accredited by the **National Association of School Psychologists**, 4340 East West Highway, Suite 402, Bethesda, MD 20814 (ph: 301-657-0270).

The University is a member of the New Jersey Association of Colleges and Universities, a member of the Hispanic Association of Colleges and Universities, and a member of the National Collegiate Athletic Association.

**Equal Opportunity/  
Non-discrimination Statement**

New Jersey City University embraces the diversity of urban experiences and seeks to attract talented faculty, staff, and students from a variety of backgrounds. In compliance with relevant federal and state civil-rights legislation, New Jersey City University does not discriminate on the basis of race, creed, religion, color, national origin, nationality, ancestry, sex/gender (including pregnancy), age (except where gender or age is a bona fide occupational qualification), affectional or sexual orientation, marital status, civil union status, familial status, domestic partnership status, gender identity or expression, atypical hereditary cellular or blood trait, genetic information, liability for service in the Armed Forces of the United States, or disability in the operation of its educational programs and activities (admission, scholarships and loan awards, access to programs and course offerings, competitive and intramural athletics, counseling, student and other employment, use of facilities, and campus sponsored extracurricular activities).

**Affirmative Action Statement**

New Jersey City University is committed to ensuring that all its educational programs (including recruitment, admission, and retention of students), personnel actions (including application, hiring, promotion, compensation, benefits, transfers, layoffs, training, and tuition assistance), and its social and recreational programs are administered according to the principle of affirmative action and in compliance with relevant federal and state civil rights legislation.

The University community consists of a diverse population of men and women who represent various racial, ethnic, and economic backgrounds. The University continues to strive to maintain and extend that diversity not only to comply with the law but also to provide an educationally desirable environment.

The University has adopted the policies and reporting procedures on non-discrimination and affirmative action to assist the

University in fulfilling its educational mission, meet its ethical and legal obligations, and foster a productive environment for learning, teaching, scholarship, work, and community service.

Questions or complaints from students with regard to these policies should be directed to the Office of the Dean of Students, 201-200-3525. Questions or complaints from other members of the University community should be directed to the Office of Equal Employment Opportunity/Affirmative Action (EEO/AA), Hepburn 306, 201-200-3075.

**Distance Education  
Complaint Procedures**

Distance education students at New Jersey City University are encouraged to attempt to resolve any academic complaints they may have with the University through standard University Academic Grievance procedures which can be found on page 40, under Academic Grievance/Appeal Procedure.

Pursuant to the United States Department of Education's Program Integrity Rule, New Jersey City University is required to provide all prospective and current students with contact information for filing complaints with its accreditor and with its state approval or licensing entity. A list of state contacts has been compiled by the State Higher Education Executive Officers (SHEEO). For further information, please see:

- SHEEO Website at <http://www.sheeo.org/stateauth/stateauth-home.htm>
- Current State Contact List at <http://www.sheeo.org/stateauth/Links%20to%20Complaint%20Process.pdf>

New Jersey City University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104. (267-284-5000) The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U. S. Secretary of Education and the Council for Higher Education Accreditation.

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# UNIVERSITY CALENDAR

## 2010–2011

### 2010 FALL SEMESTER

#### *Fall Semester classes begin*

Wednesday, September 1, 2010 8:00 am

#### *Labor Day Weekend: University closed*

Saturday & Monday, September 4 & 6, 2010

#### *Opening Convocation*

Monday, September 13, 2010 3:00–4:30 pm

#### *All-University Meeting*

Monday, September 20, 2010 2:30–3:30 pm

#### *Fall Open House*

Saturday, October 23, 2010

#### *Thanksgiving Recess: no classes*

Thursday, Friday & Saturday, November 25, 26, 27, 2010

#### *Fall Semester Last Day of Classes*

Tuesday, December 14, 2010

#### *Fall Semester Exam Week*

Wednesday–Tuesday, December 15–21, 2010

#### *Fall Semester ends*

Tuesday, December 21, 2010

#### *Winter Recess: University closed*

Friday–Saturday, December 24, 2010–January 1, 2011

### 2011 WINTER INTERSESSION

Monday–Thursday, January 3–13, 2011

### 2011 SPRING SEMESTER

#### *Martin Luther King Day: University Closed*

Monday, January 17, 2011

#### *Spring Semester Classes begin*

Tuesday, January 18, 2011 8:00 am

#### *Presidents' Day: University closed*

Monday, February 21, 2011

#### *Spring Recess: no classes*

Monday–Saturday, March 7–March 12, 2011

#### *Good Friday: no classes*

Friday & Saturday, April 22, 23, 2011

#### *Spring Open House*

TBA

#### *Spring Semester Last Day of Classes*

Monday, May 2, 2011

#### *Spring Semester Exam Week*

Tuesday–Monday, May 3–9, 2011

#### *Spring Semester ends*

Monday, May 9, 2011

#### *Undergraduate and Graduate Commencement*

Wednesday, May 11, 2011 9:30 am

### 2011 SUMMER SESSIONS

#### *\*Four-Day Work Week begins*

Monday, May 16, 2011 8:00 am–5:15 pm,

Monday thru Thursday

#### *Summer Session I classes begin*

Monday, May 23, 2011 8:30 am

#### *Memorial Day: University closed*

Monday, May 30, 2011

#### *Summer Session I ends*

Monday, June 27, 2011

#### *Independence Day: University closed*

Monday, July 4, 2011

#### *Summer Session II classes begin*

Tuesday, July 5, 2011 8:30 am

#### *Summer Session II ends*

Monday, August 8, 2011

#### *\*Four-Day Workweek ends*

Friday, August 26, 2011

*\*Designated University offices are open on Fridays from 8:30 am to 4:00 pm. University reserves the right to cancel or change the four-day workweek, May 16–August 26, 2011.*

## 2011–2012

### 2011 FALL SEMESTER

#### *Labor Day: University closed*

Monday, September 5, 2011

#### *Fall Semester classes begin*

Tuesday, September 6, 2011 8:00 am

#### *Opening Convocation*

Monday, September 12, 2011 3:00–4:30 pm

#### *All-University Meeting*

Monday, September 19, 2011 2:30–3:30 pm

#### *Fall Open House*

TBA

#### *Thanksgiving Recess: no classes*

Thursday, Friday & Saturday, November 24, 25, 26, 2011

#### *Fall Semester Last Day of Classes*

Wednesday, December 14, 2011

#### *Fall Semester Exam Week*

Thursday–Wednesday, December 15–21, 2011

#### *Fall Semester ends*

Wednesday, December 21, 2011

#### *Winter Recess: University closed*

Monday–Monday, December 26, 2011–January 2, 2012

### 2012 WINTER INTERSESSION

Tuesday–Friday, January 3–13, 2012

### 2012 SPRING SEMESTER

#### *Martin Luther King Day: University Closed*

Monday, January 16, 2012

#### *Spring Semester Classes begin*

Tuesday, January 17, 2012 8:00 am

#### *Presidents' Day: University closed*

Monday, February 20, 2012

#### *Spring Recess: no classes*

Monday–Saturday, March 12–March 17, 2012

#### *Good Friday: no classes*

Friday & Saturday, April 6, 7, 2012

# UNIVERSITY CALENDAR

*Spring Open House*

TBA

*Spring Semester Last Day of Classes*

Monday, May 7, 2012

*Spring Semester Exam Week*

Tuesday–Monday, May 8–14, 2012

*Spring Semester ends*

Monday, May 14, 2012

*Undergraduate and Graduate Commencement*

TBA 9:30 am

## 2012 SUMMER SESSIONS

*\*Four-Day Work Week begins*

Monday, May 21, 2012 8:00 am–5:15 pm,

Monday thru Thursday

*Memorial Day: University closed*

Monday, May 28, 2012

*Summer Session I classes begin*

Tuesday, May 29, 2012 8:30 am

*Summer Session I ends*

Monday, July 2, 2012

*Independence Day: University closed*

Wednesday, July 4, 2012

*Summer Session II classes begin*

Monday, July 9, 2012 8:30 am

*Summer Session II ends*

Thursday, August 9, 2012

*\*Four-Day Workweek ends*

Friday, August 24, 2012

*\*Designated University offices are open on Fridays from 8:30 am to 4:00 pm.*

*University reserves the right to cancel or change the four-day workweek,*

*May 21–August 24, 2012.*

## 2012–2013

### 2012 FALL SEMESTER

*Labor Day: University closed*

Monday, September 3, 2012

*Fall Semester classes begin*

Tuesday, September 4, 2012 8:00 am

*Opening Convocation*

Monday, September 10, 2012 3:00–4:30 pm

*All-University Meeting*

Monday, September 17, 2012 3:00–4:00 pm

*Fall Open House*

TBA

*Thanksgiving Recess: no classes*

Thursday, Friday & Saturday, November 22, 23, 24, 2012

*Fall Semester Last Day of Classes*

Friday, December 14, 2012

*Fall Semester Exam Week*

Saturday–Friday, December 15–21, 2012

*Fall Semester ends*

Friday, December 21, 2012

*Winter Recess: University closed*

Wednesday–Tuesday, December 26, 2012–January 1, 2013

### 2013 WINTER INTERSESSION

Wednesday–Tuesday, January 2–15, 2013

### 2013 SPRING SEMESTER

*Martin Luther King Day: University Closed*

Monday, January 21, 2013

*Spring Semester Classes begin*

Tuesday, January 22, 2013 8:00 am

*Presidents' Day: University closed*

Monday, February 18, 2013

*Spring Recess: no classes*

Monday–Saturday, March 11–March 16, 2013

*Good Friday: no classes*

Friday & Saturday, March 29, 30, 2013

*Spring Open House*

TBA

*Spring Semester Last Day of Classes*

Monday, May 6, 2013

*Spring Semester Exam Week*

Tuesday–Monday, May 7–13, 2013

*Spring Semester ends*

Monday, May 13, 2013

*Undergraduate and Graduate Commencement*

TBA 9:30 am

### 2013 SUMMER SESSIONS

*\*Four-Day Work Week begins*

Monday, May 20, 2013 8:00 am–5:15 pm,

Monday thru Thursday

*Memorial Day: University closed*

Monday, May 27, 2013

*Summer Session I classes begin*

Tuesday, May 28, 2013 8:30 am

*Summer Session I ends*

Monday, July 1, 2013

*Independence Day: University closed*

Thursday, July 4, 2013

*Summer Session II classes begin*

Monday, July 8, 2013 8:30 am

*Summer Session II ends*

Thursday, August 8, 2013

*\*Four-Day Workweek ends*

Friday, August 23, 2013

*\*Designated University offices are open on Fridays from 8:30 am to 4:00 pm.*

*University reserves the right to cancel or change the four-day workweek,*

*May 20–August 23, 2013.*



## DIRECTORY

**University's Main Number**  
201-200-2000  
888-441-NJCU  
<http://www.njcu.edu>

**Office of the President**  
201-200-3111

**Office of Academic Affairs**  
201-200-3003, 2033  
<http://web.njcu.edu/dept/academicaffairs>

**Office of University Advancement**  
201-200-3344  
<http://www.njcu.edu/ua>

**Office of Administration and Finance**  
201-200-3035

**Office of Student Affairs**  
201-200-3507  
<http://web.njcu.edu/sites/studentaffairs>  
<http://www.njcu.edu/dept/studentaffairs>

### ■ COLLEGES

**William J. Maxwell College of Arts and Sciences, Dean's Office**  
201-200-3001  
<http://web.njcu.edu/dept/cas>

**Deborah Cannon Partridge Wolfe College of Education, Dean's Office**  
201-200-2101  
[http://www.njcu.edu/academics/college\\_education.asp](http://www.njcu.edu/academics/college_education.asp)

**College of Professional Studies, Dean's Office**  
201-200-3321  
<http://web.njcu.edu/sites/profstudies>

### ■ ACADEMIC, ACADEMIC SUPPORT, AND STUDENT SUPPORT DEPARTMENTS

**Academic Career Planning and Placement**  
201-200-3005, 3006

<http://web.njcu.edu/dept>  
<http://www.njcu.edu/dept/acp>

**Academic Computing**  
201-200-3218  
<http://www.njcu.edu/ac>

**Academic Services for Evening Students (OASES)**  
201-200-2233  
oases@njcu.edu  
<http://web.njcu.edu/sites/oases>

**Actors Shakespeare Company**  
201-200-2390  
<http://www.ascnj.org>  
info@ascnj.org

**Admissions**  
201-200-3234  
admissions@njcu.edu  
<http://www.njcu.edu/i2e/home/index.asp> <http://www.njcu.edu>

**A. Harry Moore School**  
201-200-3138  
(Principal's Office)  
<http://www.njcu.edu/dept/ahmoore/ahm1.html>  
sgoldberg@njcu.edu

**Alumni Relations**  
201-200-3196  
<http://www.njcu.edu/alumni>

**Assessment**  
201-200-3042

**Athletics, Intramurals, and Recreational Services**  
201-200-3317  
<http://www.njcuathletics.com>

**Bookstore**  
201-200-3503  
201-435-6607  
<http://njcu.bncollege.com>

**Bursar**  
201-200-3045  
[http://web.njcu.edu/sites/controller/Content/bursar\\_office.asp](http://web.njcu.edu/sites/controller/Content/bursar_office.asp)

**Business Development Incubator**  
201-200-2313  
bdi@njcu.edu

**Campus Life**  
201-200-3585  
<http://web.njcu.edu/sites/campuslife>

**Center for Teaching and Learning**  
201-200-3100  
<http://web.njcu.edu/dept/centerfortl>

**Children's Learning Center**  
201-200-3342  
<http://web.njcu.edu/sites/eclc>

**Continuing Education**  
201-200-3089  
<http://web.njcu.edu/dept/continuinged>  
[http://www.njcu.edu/continuing\\_e](http://www.njcu.edu/continuing_e)

**Counseling Center**  
201-200-3165  
<http://web.njcu.edu/dept/counselingcenter>

**Dean of Students**  
201-200-3525  
<http://web.njcu.edu/sites/deanofstudents>  
[http://www.njcu.edu/dept/studentaffairs/dean\\_of\\_students.html](http://www.njcu.edu/dept/studentaffairs/dean_of_students.html)

**Development**  
201-200-3489  
<http://www.njcu.edu/development>

**Facilities and Construction Management**  
201-200-3191  
fcm@njcu.edu  
<http://www.njcu.edu/dept/dfcm>

**Financial Aid**  
201-200-3173  
[http://www.njcu.edu/i2e/financial\\_aid/default\\_new.asp](http://www.njcu.edu/i2e/financial_aid/default_new.asp)  
<http://www.njcu.edu>

**Food Services**  
201-200-2107  
njcu@culinartinc.com  
<http://web.njcu.edu/sites/foodservices>

**Graduate Studies and Continuing Education, Dean's Office**  
201-200-3311

**Graduate Studies**  
201-200-3409  
grad\_dept@njcu.edu  
<http://www.njcu.edu/graduate/grad>

**Continuing Education**  
201-200-3089  
[http://www.njcu.edu/continuing\\_ed](http://www.njcu.edu/continuing_ed)

**Graduation Clearance**  
201-200-3333  
registrar@njcu.edu  
[http://web.njcu.edu/dept/registrar/Content/graduation\\_clearance.asp](http://web.njcu.edu/dept/registrar/Content/graduation_clearance.asp)

**Grants and Sponsored Programs**  
201-200-3364  
<http://web.njcu.edu/dept/ogsp>

**Health and Wellness Center**  
201-200-3456  
<http://web.njcu.edu/dept/hwc>  
<http://www.njcu.edu/dept/hwc/>

**Housekeeping Services**  
201-200-3195  
fcm@njcu.edu  
<http://www.njcu.edu/dept/dfcm>

**Human Resources**  
201-200-2335  
<http://web.njcu.edu/sites/hr>  
<http://www.njcu.edu/dept/hr>

**Information Technology Services**  
201-200-3350  
201-200-4357 (HELP Desk)  
<http://www.njcu.edu/dept/its>

## DIRECTORY

### International Students and Study Abroad

201-200-2089  
<http://web.njcu.edu/dept/oissa>

### John J. Moore Athletics and Fitness Center

201-200-3317  
<http://www.njcugothicknights.com>

### Lee Hagan Africana Studies Center

201-200-3524  
<http://www.njcu.edu/hagancenter>

### Library, Congressman Frank J. Guarini

201-200-3030 Circulation  
 201-200-3033 Reference  
 201-200-3518 Periodicals  
 201-200-3137 US Government Documents  
 201-200-3471 Education Services  
[libraryref@njcu.edu](mailto:libraryref@njcu.edu)  
<http://www.njcu.edu/guarini>

### NPTNJ

201-200-3409  
[grad\\_dept@njcu.edu](mailto:grad_dept@njcu.edu)  
<http://www.nptnj.org>

### Online Learning

201-200-3449  
[online@njcu.edu](mailto:online@njcu.edu)  
<http://newlearning.njcu.edu/dl>

### Opportunity Scholarship Program

201-200-3355  
<http://web.njcu.edu/dept/osp>  
<http://www.njcu.edu/dept/OSP>

### Pre-College Programs

201-200-2347  
<http://web.njcu.edu/programs/collegebound>

### Public Information

201-200-3426  
[http://www.njcu.edu/ua/public\\_info.asp](http://www.njcu.edu/ua/public_info.asp)  
<http://www.njcu.edu>

### Public Safety

201-200-3127  
[publicsafety@njcu.edu](mailto:publicsafety@njcu.edu)  
<http://web.njcu.edu/sites/publicsafety>

### Registrar

201-200-3333  
[registrar@njcu.edu](mailto:registrar@njcu.edu)  
<http://web.njcu.edu/dept/registrar>  
<http://www.njcu.edu/dept/registrar>

### Residence Life Program

201-200-2338  
<http://web.njcu.edu/sites/reslife>  
<http://www.njcu.edu/dept/reslife>

### Specialized Services for Students with Disabilities

201-200-2557  
<http://web.njcu.edu/programs/oss>

### Speicher-Rubin Women's Center

201-200-3189  
<http://www.njcu.edu/dept/womenscenter>

### Student Government Organization (SGO)

201-200-3591  
<http://web.njcu.edu/sites/sgo>

### The Learning Communities (TLC)

201-200-2204  
<http://web.njcu.edu/sites/tlc>  
<http://www.njcu.edu/programs/tlc>

### Transcripts

201-200-3333  
[registrar@njcu.edu](mailto:registrar@njcu.edu)  
<http://web.njcu.edu/dept/registrar>

### Transfer Resource Center

201-200-3395  
<http://web.njcu.edu/dept/trc>

### University Advisement Center

201-200-3300  
<http://www.njcu.edu/academics/advise.asp>

### University Service Center

201-200-2552  
<http://web.njcu.edu/dept/usc>

### Veterans' Affairs

201-200-2157  
<http://web.njcu.edu/dept/veterans>

### M. Jerry Weiss Center for Children's and Young Adult Literature

201-200-3548  
[weisscenter@njcu.edu](mailto:weisscenter@njcu.edu)

### Writing Center

201-200-2015  
[http://web.njcu.edu/dept/english/content/open\\_writing\\_lab.asp](http://web.njcu.edu/dept/english/content/open_writing_lab.asp)  
<http://www.njcu.edu/dept/usc>

# ABOUT NEW JERSEY CITY UNIVERSITY

New Jersey City University as a public urban university invites all potential students to share in the exciting mission of becoming a nationally recognized leader in urban public higher education.

Although the University was founded as a teacher training institution seventy-nine years ago, its subsequent dynamic growth has been based on its energetic and creative response to public demands for new educational programs.

While the University's location in the urban center of the Northeast, just minutes from metropolitan New York City, affords students all the varied cultural and intellectual stimulation of a city, the campus has retained a quiet atmosphere for study, and a size conducive to a strong relationship between students and faculty which enhances learning.

More than 36 40 undergraduate degree programs are offered; in addition, joint degree programs, graduate programs, and teacher certification programs are available. Accounting, business administration, criminal justice, finance, fire science, health sciences, marketing, management and professional security studies are among some of the professional programs which that have joined the traditional programs of study in the liberal arts.

New Jersey City University is the premier cooperative education university in the State of New Jersey. Students in all academic areas have the opportunity to work in salaried positions in related fields while studying for a degree.

The student body is drawn from a broad base of the population and includes the high school graduate pursuing a four-year degree sequence and non-traditional students. These include the older student, the part-time student, and the working student—all of whom are able to create a flexible class schedule. The student body, while drawn primarily from Northern New Jersey counties, also comes from the Virgin Islands and Hawaii, as well as forty foreign countries.

Through its Student Government Organization, the University offers comprehensive co-curricular activities and, through its Athletics Department, a complete intramural and intercollegiate range of sports activities.

As a major community resource, the University is the focus of many community

outreach services in multi-cultural counseling and advisement as well as in concerts, lectures, and art exhibits for the general public.

The University invites all potential students to visit or call the Office of Undergraduate Admissions, 201-200-3234 to inquire about educational opportunities. Or, visit us online at <http://www.njcu.edu>.

## MISSION

The mission of New Jersey City University is to provide a diverse population with an excellent university education. The University is committed to the improvement of the educational, intellectual, cultural, socioeconomic, and physical environment of the surrounding urban region and beyond.

## VISION STATEMENT

New Jersey City University will become a nationally recognized leader in urban public higher education.

## IMPLEMENTATION

Through implementation of this mission, New Jersey City University will realize its vision of becoming a nationally recognized leader in urban public higher education.

New Jersey City University is committed to its urban mission by:

- Sustaining, celebrating, and promoting academically an understanding of community diversity;
- Tapping the rich resources of the urban setting and cultures for the benefit of its learners; and
- Employing its knowledge resources, via faculty and students and with partner organizations, to identify and solve urban challenges.

New Jersey City University is committed to its students demonstrating proficiency in learning outcomes that include:

- Effective written and oral communication;
- Effective oral communication;
- Quantitative literacy;
- Critical thinking;
- Information and technology literacy;
- Responsible citizenship in a culturally complex world; and,
- Knowledge of their disciplinary or interdisciplinary fields.

To achieve this mission, New Jersey City University:

- Extends opportunity to college-ready and motivated learners;
- Delivers high-quality educational programs;
- Emphasizes experiential as well as theoretical learning;
- Provides effective services to support learner success;
- Sets high expectations for learner accomplishment;
- Maintains a safe, pleasant environment that is conducive to learning; and,
- Promotes an institutional culture which values excellent teaching, scholarly achievement, creative activity, and life-long learning.

## OFFICE OF ALUMNI RELATIONS

Hepburn Hall, Rm. 315  
201-200-3196  
<http://www.njcu.edu/alumni>  
[alumni@njcu.edu](mailto:alumni@njcu.edu)

With more than 85% of New Jersey City University Alumni residing within the northern New Jersey tri-county area, the University's Office of Alumni Relations is committed to community outreach, involvement, and interaction.

Housed in the Division of University Advancement, the Office of Alumni Relations supports the mission of New Jersey City University by strengthening bonds among alumni, and between alumni and the University; creating an ongoing relationship between alumni and students; upholding and extending the influence of the University and its alumni; and fostering support for the University.

Alumni are offered an array of educational, social, athletic, and cultural activities aimed at promoting the University, its programs, and its people. Through a variety of events and publications, alumni are

encouraged to continue personal and intellectual growth and to nurture their lifelong relationship with New Jersey City University.

The Office also provides opportunities for alumni to recruit, mentor, and advise current students, and facilitates networking among alumni to promote professional advancement.

Through a direct Internet link at <http://www.njcu.edu/alumni>, alumni have the opportunity to stay in touch with the University, as well as classmates and friends. The alumni Website will continue to be a priority, focusing on regular updates and upgrades to support alumni. The Office of Alumni Relations is also dedicated to developing and providing a more extensive list of benefits and services for alumni. From discounts on financial services, insurance, tax preparation, electronics and more, to information about events on campus and continuing education opportunities, the alumni services and benefits program is dedicated to continuing upgrades and additions to address the needs of our graduates.

## OFFICE OF DEVELOPMENT

Hepburn Hall, Rm. 315  
201-200-3489  
<http://www.njcu.edu/development>  
[annualfund@njcu.edu](mailto:annualfund@njcu.edu)

The Office of Development at New Jersey City University works to create and maintain awareness on the part of alumni, friends, the business and philanthropic sectors, and the internal University community of the importance of providing strong financial support to the University. Private financial support is essential because State allocations and student tuition payments cannot begin to cover the full cost of running a quality higher-education institution in today's environment. Gifts from supporters help make possible programs that enhance and enrich every facet of University operations from the education of students to outreach in the community.

One of the most visible and essential efforts of the Office of Development is the New Jersey City University Annual Fund, which provides ongoing funding for general needs as well as continuing necessities such as student scholarships,

library support, and state-of-the-art equipment. Because it provides a steady and predictable stream of general support, the Annual Fund affords the University more flexibility and opportunity for creative innovation. The Annual Fund uses direct mail, personal contacts, and student-centered telemarketing efforts to reach out to alumni for financial contributions, to inform them of upcoming events, and update records.

With the assistance of the Office of Development, the New Jersey City University Foundation works with individuals and organizations who are interested in furthering the mission of the University through annual giving, specialized programs and projects, funding of capital needs such as facilities and equipment, and creating permanent endowments that will help secure the University's long-term future. The Foundation works with donors to facilitate gifts of cash, stock or other property, and a range of planned-giving vehicles such as bequests, gift annuities, gifts of life insurance, and a variety of life-income and trust arrangements.

## GOTHICNET

<http://gothicnet.njcu.edu>

GothicNet is your gateway to information and services at New Jersey City University when you want it.

New Jersey City University makes available to all members of its community a state-of-the-art web portal, called GothicNet, that will allow you with a click of a mouse to connect with the University at any time and from any place.

Free yourself from paperwork, avoid waiting on long lines, and benefit from many self-service tools at your convenience! With GothicNet, you'll be able to access your own personalized web page with services and information tailored to your needs and interests.

### *What is GothicNet?*

GothicNet is a web portal that makes technology personal. It integrates information and utilities from a variety of sources, and delivers them through a user-friendly, role-based gateway that presents only what is relevant to the individual who logs in. All from your workplace, or from home, or from anywhere you can connect to the Internet.

### *What Can GothicNet Do for Me?*

Students have access to information and enrollment services anytime, anywhere. With GothicNet, you can:

- Check news items for important University information
- Access your University e-mail
- Get alerts on important announcements from University offices that serve you
- Find out what's going on at the University
- View your address and update other personal contact information
- View any "holds" on your records and any "to do" items
- View course catalog information and search for classes
- View your enrollment appointment and contact your advisor
- Enroll in a class
- View your current class schedule
- Apply for financial aid and accept or decline your financial aid awards
- View your tuition charges and pay your bill with a credit card or Web check
- View and apply for payment plans

- View your grades
- Request a transcript
- View your progress toward degree completion (undergraduate students have access now to this feature; graduate students will have this feature in the future)
- Search the FAQ Knowledge Base for answers to your questions

### ***How Do I Connect to GothicNet?***

In order to logon to GothicNet, you need to have a valid GothicNet ID and password. First, open your Internet Browser and go to <http://gothicnet.njcu.edu> and enter your GothicNet ID and password.

### ***Need Help?***

Please click on the link "Need Help Signing In" if you don't know your ID or password, or have forgotten them. This link is found on the GothicNet Welcome page in the Sign In window. Internet access and compatible information may also be found here.

## THE CAMPUS

### ***Congressman Frank J. Guarini Library***

#### **Fall and Spring Semester Hours:**

<i>Monday -Thursday</i>	7:30 a.m. to 10:00 p.m.
<i>Friday</i>	7:30 a.m. to 5:00 p.m.
<i>Saturday</i>	9:00 a.m. to 5:00 p.m.
<i>Sunday</i>	11:00 a.m. to 5:00 p.m.

The Congressman Frank J. Guarini Library opened in September 1999. The Library's collections and services promote classroom teaching and to enable students to meet course requirements successfully. In addition, the Library supports Information Literacy, the ability to locate, evaluate, and use information, which provides students with skills necessary for life-long learning.

Library resources include approximately 293,000 volumes, 1.8 million microforms, over 3,000 videos, and numerous other materials. There are over 200 reference e-books and over 3,000 other e-books, plus access to thousands of free e-books. About 100,000 complete, online or full-text government documents may also be read through the OSCAR online catalog.

The circulation and reference desks are located on the main floor, along with the library information kiosk and the Machuga Technology Center. The second floor contains periodicals, government documents, Education Services, and Media Services. The third and fourth floors contain the circulating collections, Education Services collections, library administration, and technical services. Each floor provides study carrels, study tables, and comfortable, quiet reading areas.

### ***Co-Op Dormitory and 2040 Kennedy Boulevard Apartments***

Approximately 100 students reside in the Co-Op Dormitory, a traditional corridor-style student residence with double-occupancy rooms, common area bathrooms, and study and social lounges for freshmen. The 2040 Kennedy Boulevard Apartments house 60 graduate students, seniors and mature residents within apartment-style suites.

### ***Education and Professional Studies Building***

Opened in 1994, the Education and Professional Studies Building, houses the Office of the Dean of the College of Professional Studies, the Office of the Dean of the Deborah Cannon Partridge Wolfe

College of Education, the Electronic Learning Laboratory, and the Office for Teacher Preparation and Partnerships. There are also classrooms, as well as the departmental and faculty offices for the Departments of Business Administration, Criminal Justice, Early Childhood Education, Elementary and Secondary Education, Fire Science, Health Sciences, Literacy Education, The Multicultural Center, Office of Specialized Services for Students with Disabilities, and Special Education.

### ***Fries Hall***

Fries Hall is home to NJCU's Media Arts Department, which occupies the 22,000 square feet of space and is one of the most advanced Media Arts facilities in the State of New Jersey. The Department houses a full color, broadcast-quality television studio, a radio and audio production studio, and a complete 16mm production studio. The film production facilities have all the necessary equipment and technical support to produce feature-length 16mm motion pictures from conception to print. Non-sync sound films, short subjects and animated productions are also produced regularly at the department.

The department has a studio/classroom for multi-image production and two large projection/seminar rooms for weekly screenings. Completing the Media Arts Department is an animation laboratory, a computer graphics production studio, 1/2" and 3/4" video editing suites, and film editing suites.

The department is the official home of the Black Maria Film and Video Festival, and is a co-sponsor of the New Jersey Young Film and Videomakers Festival.

### ***George Karnoutsos Arts and Sciences Hall***

Opened in the spring of 2006, the George Karnoutsos Arts and Sciences Hall meets the growing needs of the William J. Maxwell College of Arts and Sciences. Designed by the renowned architect, Michael Graves, this 77,000-square foot facility is a seven-story structure featuring 14 general use classrooms and 10 computer labs. In addition to providing the campus community with state-of-the-art classrooms and labs, this facility houses twelve academic departments, The Writing Center, and the Office

of the Dean of the William J. Maxwell College of Arts and Sciences. The departments include:

- African and African/American Studies
- Computer Science
- Economics
- English
- English as a Second Language (ESL)
- History
- Latin American/Caribbean/Latino Studies
- Mathematics
- Modern Languages
- Philosophy and Religion
- Political Science
- Women's and Gender Studies

### ***Grossnickle Hall***

Grossnickle Hall, a four-story arts and sciences building, opened in 1962. It includes classrooms, lounges, laboratories, and an auditorium which seats 180 people. The office of International Students and Study Abroad, the pre-collegiate programs College Bound, Gear-Up, and Upward Bound, and the office of the Actors Shakespeare Company at New Jersey City University, theater-in-residence, are also housed in Grossnickle Hall.

### ***Hepburn Hall***

Hepburn Hall, the only campus building for the first twenty-five years of the University's existence, is the administrative center of the University. In addition to housing the University's The Children's Learning Center (day care) and The Learning Communities (TLC) Program, Hepburn Hall includes the Offices of the President, the Vice President for Academic Affairs, the Vice President for Administration and Finance, the Vice President for Advancement, the Vice President for Student Affairs, Admissions, Financial Aid, Registrar, Controller, Bursar, Human Resources, Graduate and Continuing Education, and Affirmative Action.

The Margaret D. Williams Theatre, at the north end of Hepburn Hall, is a showcase for the productions of the Media Arts and Music, Dance and Theater Departments, as well as for numerous other University and community events. The Gothic Tower, at the front of the theatre, is the inspiration for the nickname of New Jersey City University's athletic teams, the "Gothic Knights."

### ***John J. Moore Athletics and Fitness Center***

#### **Fall and Spring Semester Hours:**

<i>Monday - Thursday</i>	7:00 a.m. to 10:00 p.m.
<i>Friday</i>	8:00 a.m. to 7:00 p.m.
<i>Saturday</i>	9:00 a.m. to 3:00 p.m.
<i>Sunday</i>	4:00 p.m. to 8:00 p.m.

The John J. Moore Athletics and Fitness Center (JMAC) serves as the headquarters for intercollegiate athletics, intramural athletics, and recreation. Located on Culver Avenue, just off West Side Avenue, the JMAC gives the University one of the finest indoor facilities in the State. The Center features a 2,000 seat basketball/volleyball arena, a state-of-the-art fitness center, a 25-meter pool, three racquetball courts, an elevated 1/10 mile jogging track, locker rooms and shower facilities for students and staff. A more complete description of the Center appears on page 14.

### ***Michael B. Gilligan Student Union***

The Michael B. Gilligan Student Union is the focal point of student activities and recreation. This facility underwent major renovation and modernization to create a friendly and vibrant center for student life on campus. The first floor includes a central atrium, key student support services, a new University Service Center, a cyber lounge, auditorium, campus bookstore, art gallery, and the Office of the Dean of Students.

The University Service Center (USC) serves as an information desk for students and visitors, providing a centralized venue for parking management activities and the issuing of GothicNet identification cards.

Located on the second floor are the newly renovated cafeteria, multi-purpose rooms, conference rooms, and a study lounge. Additional conference rooms and student club offices are located on the third floor.

### ***Rossey Hall***

Rossey Hall, opened in 1970, houses the University's Information Technology Department and the primary data center, the K. Elizabeth Ingalls Recital Hall, the Peter Sozio Rehearsal Studio, the Abigail Hoffman Electronic Music Studio, music rehearsal rooms, classrooms, computer science labs, and geoscience laboratories. Departmental and faculty offices for the departments of Education Leadership, Geoscience/Geography, Music, Dance and Theater, Nursing, and Sociology and An-

thropology, are also located in Rossey Hall.

The Department of Information Technology (IT) oversees the operation and management of information technology resources and provides comprehensive customer-focused technology support services for all members of the New Jersey City University community. As the primary technology resource for the University, IT provides technology leadership in the planning, implementation and support of academic and administrative initiatives. Comprehensive technology support is offered through a centralized Help Desk that provides effective technology support services for students, faculty and staff. In addition to providing and managing centralized data and telephone services, IT supports over 1700 desktop and laptop computers distributed throughout the campus.

The primary data center accommodates over 150 servers and 15 Terabytes of storage capacity, that provide processing power for all academic and administrative applications utilized by approximately 10,000 users. The data center also houses the core data network routers that provide the NJCU community with high-speed connectivity to the Internet all web-based services. A secondary data center, located at an alternate location shares these resources in a redundant configuration to assure business continuity in the event of a disruption of services in the primary data center.

### ***Science Building***

The five-story Science Building, with its adjoining lecture halls, was opened in September 1973. This facility houses departmental and faculty offices for the Departments of Biology, Chemistry, Physics and Psychology, in addition to teaching, research and computer laboratories, classrooms, a greenhouse, and a large lounge area.

### ***The Thomas M. Gerrity Athletic Complex***

The Thomas M. Gerrity Athletic Complex is home to Gothic Knight men's and women's soccer, baseball, and softball. The Complex is located less than a mile southwest of the main campus on Newark Bay. A 3,000-seat stadium is the centerpiece of the complex. A more complete description of the Complex appears on page 14.

### ***The University Academy Charter High School at New Jersey City University***

The University Academy Charter High School is a separately incorporated program housed at the University within a renovated building at 275 West Side Avenue, which opened in September 2003. The school opened with its first class of 125 high school freshmen in September 2002 and has since grown to enroll approximately 500 students each year. This unique charter high school designed an academic curriculum for high school students from Jersey City that emphasizes a liberal arts education in the context of service-learning experiences.

### ***Visual Arts Building***

Opened in the fall 2003 semester, this 60,000-square foot building was constructed on the northern edge of the campus, across from the John J. Moore Athletics and Fitness Center. The building houses the Art Department and its faculty offices, ceramics, drawing, jewelry, painting, photography, printmaking, and sculpture studios, computer graphics labs, classrooms, and an gallery. In addition, a 110-seat auditorium is available for large class sessions, lectures, performances, and conferences. The facility also provides classroom space for the entire University community. The entrance to the Visual Arts Building is highlighted by a sculpture by the world-renowned artist Maya Lin, which honors the diversity of the University community.

### ***Vodra Hall***

Opened in 1963, Vodra Hall houses the Academic Career Planning and Placement Office (Cooperative Education and Graduate Placement), the University Advisement Center, the Health and Wellness Center, the Public Safety Office, the Residence Life Office, a student computer lab, the Center for Teaching and Learning, and the Vodra Dining Hall on its first floor. The upper three stories provide double-occupancy dormitory space for 100 resident upper-class students. In addition, the Opportunity Scholarship Program/Educational Opportunity Fund Program (OSP/EOF) is located on the second floor.

## STUDENT AFFAIRS

**Hepburn Hall, Rm. 303  
201-200-3507  
<http://web.njcu.edu/sites/studentaffairs>**

**Dr. John Melendez, Vice President  
[jmelendez@njcu.edu](mailto:jmelendez@njcu.edu)**

**Dr. Lyn Hamlin, Dean of Students  
[lhamlin@njcu.edu](mailto:lhamlin@njcu.edu)**

**Mr. Demond T. Hargrove, Assistant Vice President  
[dhargrove@njcu.edu](mailto:dhargrove@njcu.edu)**

**Ms. Carmen Panlilio, Associate Vice President for Enrollment Management  
[cpanlilio@njcu.edu](mailto:cpanlilio@njcu.edu)**

Under the direction of the Vice President, the Division of Student Affairs is responsible for articulating the objectives of the University, providing student programs and services, assisting in the identification of the aspirations of the student community, and serving as student advocates.

The specific administrative departments of the division include the following: Dean of Students, Undergraduate Admissions, Financial Aid, Children's Learning Center, Counseling Center, Health and Wellness Center, Office of Campus Life, Registration Services, Residence Life, Speicher-Rubin Women's Center, the Learning Communities (TLC) Program, University Service Center, Athletics, and Center for Student Success.

### ***Office of the Dean of Students***

**Gilligan Student Union, Rm. 127  
201-200-3525  
Fax: 201-200-3583  
<http://web.njcu.edu/sites/deanofstudents>**

**Dr. Lyn Hamlin, Dean of Students  
[lhamlin@njcu.edu](mailto:lhamlin@njcu.edu)**

The Office of the Dean of Students is a resource for New Jersey City University undergraduate and graduate students in all programs, colleges, and departments. The Office of the Dean of Students works to enhance the quality of campus life. Devoted to promoting a safe, welcoming campus community, the major purpose of this office is to provide programming that enables and encourages students to achieve

success in their intellectual and personal development at New Jersey City University. The Office of the Dean of Students fosters the intellectual, physical, and social development of students through direct services. Through these services, the students are supported in their efforts to acquire the attitudes, abilities and skills necessary for life-long learning within the global environment. To that end, the staff collaborates with six departments that report to the Dean of Students: Counseling and Health and Wellness Services, Children's Learning Center, Residence Life, Speicher-Rubin Women's Center, Office of Campus Life, and The Learning Communities program.

### ***Center for Student Success***

**Gilligan Student Union, Rm. 216  
201-200-3513, -3525  
[http://web.njcu.edu/sites/deanofstudents/content/center\\_for\\_student\\_success.asp](http://web.njcu.edu/sites/deanofstudents/content/center_for_student_success.asp)**

**Ms. Renata Moreira, Coordinator  
[css@njcu.edu](mailto:css@njcu.edu)**

### **Fall and Spring Semester Hours:**

**Monday - Thursday**  
11:00 a.m. to 7:00 p.m.  
**Friday** 1:00 a.m. to 4:00 p.m.

### **Study Hall Hours**

**(no appointment is necessary):  
Mondays and Wednesdays**  
12:00 noon to 2:00p.m. and  
5:00 p.m. to 7:00 p.m.

The staff of the Center for Student Success offer access to quality peer-led and professional tutoring services and academic resources that enable students to attain the necessary skills, strategies, and behaviors to improve their academic standing and to clarify appropriate career objectives. Individual tutoring appointments can be made at the Center during the above hours, by emailing [css@njcu.edu](mailto:css@njcu.edu), or by calling 201-200-3513 or -3525. Services provided include:

- Individual and small-group tutoring and study halls in basic math and English courses
- Workshop presentations on study skills, learning strategies, information literacy, financial literacy, success strategies
- Access to learning skills materials and

resources

- Learning and Study Strategies Inventory (LASSI), a voluntary assessment of students' knowledge and use of learning and study strategies
- Referrals to other on-campus academic and personal assistance programs as indicated
- Limited advisement services

### ***Children's Learning Center***

Hepburn Hall, Rm. 101  
201-200-3342  
Fax-201-200-3050  
[web.njcu.edu/sites/ec/lec](http://web.njcu.edu/sites/ec/lec)

**Dr. Keri Giordano, Director**  
[kgiordano@njcu.edu](mailto:kgiordano@njcu.edu)

#### **Fall and Spring Semester Hours:**

**Monday - Thursday**

7:30 a.m. to 7:00 p.m.

**Friday** 7:30 a.m. to 5:00 p.m.

**Saturday** 8:00 a.m. to 3:00 p.m.

#### **Summer I Session Hours:**

**Monday - Thursday**

7:30 a.m. to 5:00 p.m.

#### **Summer II Session Hours:**

**Monday - Thursday**

8:00 a.m. to 5:00 p.m.

The Children's Learning Center is a quality facility designed to meet the growing child care needs of New Jersey City University student-parents. The curriculum is developed in response to the children's interests, while facilitating the physical, social/emotional, language/literacy, and cognitive needs of the children. The Center offers a preschool class, a pre-kindergarten class, and an after-school and Saturday program. The Center provides flexible schedules that are responsive to the needs of student-parents. The Center also serves as a training site, providing high quality field experiences for New Jersey City University students. The daytime program accepts children between the ages of 2.5 and 5 years, and the Evening/Saturday program accepts children between the ages of 2.5 and 8 years old. The Center is open on days when classes are in session. Registration forms may be obtained at the Children's Learning Center. Registration is on a first come, first served basis.

The Children's Learning Center is accredited by the National Association for the Education of Young Children, 1313 L St.

NW, Suite 500, Washington, D.C. 20005,  
(ph: 800-424-2460)

### ***Counseling Center***

Gilligan Student Union, Rm. 308

201-200-3165

Fax: 201-200-2558

[web.njcu.edu/dept/counselingcenter](http://web.njcu.edu/dept/counselingcenter)

**Dr. Abisola Gallagher, Director**  
[agallagher@njcu.edu](mailto:agallagher@njcu.edu)

#### **Hours:**

**Monday - Friday**

8:30 a.m. to 4:30 p.m.,

evening hours by appointment

The Counseling Center provides brief counseling and more intensive psychotherapy to all New Jersey City University students. The Center was established to offer support and assistance to those individuals experiencing minor situational difficulties or major emotional conflicts. All services are FREE and CONFIDENTIAL and no information is released to anyone without the student's written consent, unless a threat of safety to self or another exists.

All decisions are made by the students with the counselors serving as catalysts for students to view their situations as objectively and clearly as possible. Counseling sessions explore such topics as: adjustment to the University; note taking, study, and test taking skills; anxiety, tension, and depression; relationship and family concerns; substance abuse; education and life options; insecurity; and assertiveness. In addition, the Counseling Center staff is available for a variety of consultative tasks; offers numerous groups and theme-oriented workshops; provides learning and study strategies and vocational interest testing.

Appointments are made by calling (201-200-3165) or stopping by the Counseling Center. The Center is open Monday through Friday, 8:30 a.m. to 4:30 p.m., and evening hours are available by appointment.

### ***Health & Wellness Center***

Vodra Hall, Rm. 107

Student Affairs

201-200-3456

Fax: 201-200-2011

[www.njcu.edu/dept/hwc](http://www.njcu.edu/dept/hwc)

**Dr. Abisola Gallagher, Director**  
[agallagher@njcu.edu](mailto:agallagher@njcu.edu)

**Ms. Carolyn Hunter, Supervisor**  
[chunter@njcu.edu](mailto:chunter@njcu.edu)

#### **Hours:**

**Monday - Thursday**

8:30 a.m. to 6:00 p.m.

**Friday** 8:30 a.m. to 4:30 p.m.

The NJCU Health & Wellness Center (HWC) is an outpatient facility providing FREE and CONFIDENTIAL health care services for our students. The HWC is staffed by registered nurses and is open 12 months a year. The University physician is available part-time for students during the fall and spring semesters only. A monthly schedule of Doctor's Hours is available at the HWC and in various locations across campus. Bills for outside lab tests, x-rays, and prescriptions are the sole responsibility of the student.

#### **CONFIDENTIALITY**

The medical records and health care transactions of all patients including immunization records are maintained in a confidential manner and cannot be released to another party without the patient's written authorization.

#### **ENTRANCE HEALTH & IMMUNIZATION REQUIREMENTS**

In addition to providing health care, the HWC oversees the University's health requirements for all entering students. Each New Jersey City University student MUST submit an Entrance Health Form. This information is used to establish a student's medical file and documents compliance with state immunization regulations. New Jersey State Law requires all students, both undergraduate and graduate, to comply with current immunization regulations by submitting proof of immunization, immunity, or filing a valid exemption. Detailed information about the required immunizations or valid exemptions can be found on page 3 and 4 of the Entrance Health Form which can be obtained at Admissions, the HWC office, or from our web page. Failure to comply will result in a "hold" being placed on all future registration as well as blocking eligibility for campus housing.

#### **OTHER IMMUNIZATION OR HEALTH TESTS**

NJCU reserves the right to require additional immunizations or health tests as dictated by current public health concerns



in our campus or local communities. In addition, health testing such as a tuberculin skin test, or other requirements, may be mandated for the fulfillment of internships or clinical rotations.

#### STUDENT HEALTH INSURANCE

The State of New Jersey requires that every full-time college student must maintain basic health/hospitalization insurance throughout the period of their enrollment. To assist students in meeting this requirement, a discounted Student Health Insurance plan will be selected and made available to NJCU students annually. Details for the current student insurance policy can be found on the HWC webpage. The premium for the health insurance is automatically added to the tuition bill of full-time students. Students not wishing to participate in the plan may opt to waive out by providing proof of coverage by a comparable insurance plan to the Bursar's Office (Hepburn 106) by the required waiver deadlines. Questions about insurance waivers, waiver deadlines, or the insurance fee must be directed to the Bursar's Office (Hepburn Hall, Room 109; 201-200-3045).

#### Office of Campus Life

Gilligan Student Union, Rm. 111

201-200-3585

Fax: 201-200-2329

[web.njcu.edu/sites/campuslife](http://web.njcu.edu/sites/campuslife)

The Office of Campus Life, located in the Gilligan Student Union, provides a wealth of social, cultural, recreational, and educational co-curricular activities including barbecues, cultural celebrations, tournaments, workshops and art exhibits. In addition to hosting the New Student Orientation program, Campus Life coordinates the Annual Leadership Retreat for student leaders. The staff serves as liaisons to the Student Government Organization, coordinates Greek Life, and assists student organizations in the planning and presentation of student events.

#### Office of the Registrar

Hepburn Hall, Rm. 214

201-200-3333

Fax: 201-200-2062

<http://web.njcu.edu/dept/registrar>

Ms. Miriam Laria, University Registrar  
[mlaria@njcu.edu](mailto:mlaria@njcu.edu)

The Office of Registration Services is responsible for the maintenance of academic records and grading operations, the production of the Undergraduate Master Course Lists, the coordination of course schedules and registration, the supervision of degree audits, and transcript requests. This department plays an integral role in the retention of New Jersey City University students and partners with key departments, across all divisions, in the accomplishment of its goals. The Office is open Monday through Thursday, 8:30 a.m. to 7:00 p.m. and Friday 8:30 a.m. to 5:00 p.m. when classes are in session during fall and spring semesters.

#### Residence Life Program

Vodra Hall, Rm. 123

(201) 200-2338

Fax: (201) 200-2251

[web.njcu.edu/sites/reslife](http://web.njcu.edu/sites/reslife)

Ms. Tamar Lawson-McPherson,  
Director  
[tlawson@njcu.edu](mailto:tlawson@njcu.edu)

The Residence Life Program at New Jersey City University offers more than a place to sleep. It is a vital, active community of approximately 260 students with services and activities designed to foster academic, personal, and social growth. The University operates three residence halls: Co-Op Hall, a traditional corridor-style dormitory with community bathrooms, study, and social lounges for freshmen; Vodra Hall, a traditional corridor-style facility with shared bathrooms between rooms for upper-classmen and special needs individuals; and 2040 University Apartments, a residence hall for seniors, graduate students, and mature residents; consisting of single room, apartment-style suites for two or three individuals.

All Halls offer staff coverage, 24-hour security, on-site laundry facilities, microwaves, study lounges, computer labs and online computer capabilities for each resident student. All residents are provided a meal plan, which can be utilized in the campus food facilities; the Marketplace in the Gilligan Student Union, and the Vodra Club located in Vodra Hall. In addition, residents are encouraged to participate in a variety of educational, community service and recreational events offered by the University and the Residence Life program.

Following acceptance to the University, interested students may obtain information

and an application form directly from the Office of Residence Life or log onto: [web.njcu.edu/sites/reslife](http://web.njcu.edu/sites/reslife).

#### Speicher-Rubin Women's Center

Gilligan Student Union, Rm. 318

201-200-3189

[www.njcu.edu/dept/womenscenter](http://www.njcu.edu/dept/womenscenter)

#### Hours:

*Monday - Friday*

8:30 a.m. to 4:30 p.m.,

evening hours by appointment

The New Jersey City University Speicher-Rubin Women's Center provides community programs, brief counseling and referral, and educational support services to all members of the University community and surrounding community. Career information, assistance with returning to school and access to a resource library are available. Programs on Self-Esteem, Domestic Violence, How to Finance Your College or Graduate School and many others are offered throughout the year.

#### The Learning Communities Program

Hepburn Hall, Rm. 112E

201-200-2204

Fax: 201-200-2203

[web.njcu.edu/sites/tlc/](http://web.njcu.edu/sites/tlc/)

Mr. Woodrow Lewis, Jr., Director  
[wlewis@njcu.edu](mailto:wlewis@njcu.edu)

The Learning Communities Program (TLC) is a TRiO Student Support Services Program funded by the U.S. Department of Education and New Jersey City University. This initiative is designed to provide support services to students with a need for academic support. Applicants must be New Jersey City University students who are first generation, low-income, and/or students with disabilities.

TLC sponsors activities that will increase not only the students' academic proficiency, but also their understanding of the cultural and interpersonal skills that are essential to survive in a college environment. Among the many services offered are, tutorial services, academic advisement, financial aid counseling, career exploration, mentoring and cultural enrichment activities. The ultimate goal of the program is to increase the retention and graduation rates of program participants at New Jersey City University

and to assist them in gaining access to graduate school.

### ***University Service Center***

Gilligan Student Union, Rm. 109

201-200-2552

Fax: 201-200-2551

[www.njcu.edu/dept/usc](http://www.njcu.edu/dept/usc)

**Mr. Rafael Gajilan, Coordinator**  
rgajilan@njcu.edu

#### **Fall and Spring Semester Hours:**

*Monday - Friday* 9:00 a.m. to 4:45 p.m.

#### **Summer I and II Session Hours:**

*Monday - Thursday*

8:00 a.m. to 5:15 p.m.

The NJCU University Service Center (USC) serves as the “one-stop shop” for the University community. The USC was created to provide students a convenient location to submit documents, retrieve forms and brochures, and conduct general enrollment and auxiliary related business transactions.

Services provided by the USC include GothicCard issuance and maintenance; parking information and registration, shuttle information, copy center management, and vending machine refunds. The USC houses staff members that have been trained to provide many of the services offered to students at offices they visit most frequently, including Advisement, Financial Aid, Registrars, Parking, and the University Bursar.

### ***Athletics, Intramurals and Recreational Services***

**John J. Moore Athletics &**

**Fitness Center (JMAC)**

201-200-3317

[www.njcugothicknights.com](http://www.njcugothicknights.com)

**Ms. Alice DeFazio, Director**  
adefazio@njcu.edu

**Mr. Ira P. Thor,**  
**Sports Information Director**  
ithor@njcu.edu  
JMAC, Rm. 206  
201-200-3301

Intercollegiate athletics, intramurals and recreational activities at New Jersey City University are an integral part of the institution's total academic and student activities program. They operate on the premise that

they must develop, in fact and theory, the sound moral values that are basic to the goals of every quality educational program.

They are designed to assist students in developing the skills, understanding, knowledge and attitudes vital to the enhancement of personal growth and development.

The program offers every student the opportunity to engage in physical activity at the level of his/her capability while stressing sound academics and a sense of pride and teamwork. The highest commitment is to develop the highest possible degree of excellence for both individuals and teams.

The University holds memberships in the National Collegiate Athletic Association (NCAA Division III); Eastern College Athletic Conference (ECAC); New Jersey Athletic Conference (NJAC); the New Jersey Association of Intercollegiate Athletics for Women (NJAIW); the Northeastern Collegiate Volleyball Association (NECVA) for men's volleyball; the Eastern Intercollegiate Bowling Conference (EIBC) and affiliate membership in the North East Conference (NEC) for women's bowling.

### ***John J. Moore Athletics & Fitness Center (JMAC)***

#### **Fall and Spring Semester Hours:**

*Monday through Thursday*

7:00 a.m. to 10:00 p.m.

*Friday* 8:00 a.m. to 7:00 p.m.

*Saturday* 9:00 a.m. to 3:00 p.m.

*Sunday* 4:00 p.m. to 8:00 p.m.

The John J. Moore Athletics & Fitness Center (JMAC) gives the University one of the finest indoor recreation facilities in the area. The 72,000-square-foot, state-of-the-art building features a 2,000-seat basketball and volleyball arena home of the Coach Charlie Brown Court, a fully-equipped exercise and fitness center, a 25-yard pool, racquetball courts, a tenth of a mile elevated jogging track, a multipurpose room for aerobics and classes, and locker room space for students, faculty and staff. Men's and women's varsity basketball and volleyball teams compete and practice in the facility.

Administrative offices for the Department of Athletics, Intramurals and Recreation are housed on the mezzanine level of the JMAC, as well as the offices of the Department of Fitness, Exercise and Sports.

The Fitness Center rivals most health clubs and features Paramount weight training equipment, an extensive set of free weights stations, Stairmasters, rowing

machines and treadmills. Personal training programs can be developed for students and members of the Fitness Center.

For recreation and practice, the main gymnasium features three full basketball/volleyball courts when the arena's bleacher seats are retracted. The locker room facilities on the main level provide direct access to the pool area. A wide range of aquatics classes are offered, from scuba diving to beginners swimming courses.

A varsity team, lower level houses a modern athletic training facility, locker rooms for the basketball and volleyball programs, and an equipment/laundry facility.

### ***The Thomas M. Gerrity Athletic Complex***

Located less than a mile southwest of the main campus on Newark Bay, the Complex opened in the late 1970s and had undergone constant upgrading ever since. The Thomas M. Gerrity Athletic Complex is utilized for practice and games by the men's soccer, women's soccer, baseball, and softball teams. The Robert L. McNulty Memorial soccer stadium, a 3,000-seat venue, is the centerpiece of the complex.

The Gothic Knight Baseball team competes on the adjacent diamond, which also features a press box. Formerly known as the Tideland Athletic Complex, the facility was named in memory of Thomas M. Gerrity on October 21, 1995. Gerrity, who served as Athletic Director at then-Jersey City State College from 1958-77, was instrumental in the acquisition and development of the land for the multi-sport outdoor facility. He is a charter member of the New Jersey City University Athletic Hall of Fame.

### ***Miscellaneous Athletics Facilities***

Nearby Lincoln and Bayonne parks serve as the main training area for the women's cross country and men's and women's indoor and outdoor track & field teams. The indoor track teams also practice on the elevated jogging track at the John J. Moore Athletics and Fitness Center. Hudson Lanes in Jersey City are the main practice facility for the women's bowling team, which competes in events around the country.

#### **Intercollegiate Sports:**

- Baseball
- Basketball (men & women)
- Bowling (women)
- Cross Country (men & women)
- Soccer (men & women)

- Softball
- Indoor and Outdoor Track & Field (men & women)
- Volleyball (men & women)
- Golf (men)

### **Recreation Program Intramurals Sports Program**

The Intramural Sports program provides an opportunity for unstructured activities and free play on a daily basis. The John J. Moore Athletics and Fitness Center is used for a wide variety of recreational activities including jogging, swimming, basketball, racquetball, weight training and conditioning. The recreation program is open to the entire University community. An extensive, highly competitive and varied intramural sports program provides an opportunity for both team and individual participation for the entire University community.

An extensive, highly competitive and varied intramural sports program provides an opportunity for both team and individual participation for the entire University community. Intramural activities include:

- 40-yard dash
- Aqua Basketball
- Aqua Golf
- Bench Press Competition
- Bowling
- Chess
- Co-ed Softball
- Co-ed Volleyball
- Dart Tournament
- Faculty/staff intramural events
- Field Goal Kicking Contest
- Five-on-Five Basketball
- Flag Football
- Free Throw Shooting Contest
- Golf Tournament
- Home Run Derby
- Indoor Cycling
- Indoor Soccer Tournament
- Lap Swimming Contest
- One-on-One Basketball
- Singles/Doubles Racquetball
- Spring Cycling Classic
- Stairmaster Climb
- Swimmer and Non-swimmer Events
- Table Tennis Tournament
- Tennis Tournament
- Three-on-Three Basketball
- Three-point Shooting Contest
- Turkey Trot (Relay races)
- Walk/Run/Jog Club
- Wallyball
- Water Polo

To sign up, call the John J. Moore Athletics and Fitness Center at 201-200-2170.

### **Michael B. Gilligan Student Union (GSU)**

The Michael B. Gilligan Student Union is the focal point of student activities and recreation. This facility was recently renovated and modernized to create a friendly and vibrant center for student life on campus. The interior of the building was reconfigured as an open atrium. The first floor includes key student support services; specifically, the Offices of the Dean of Students, and Campus Life, a commuter lounge, the University Service Center, a cyber lounge, lecture theatre, campus bookstore, and art gallery. Located on the second floor, is the renovated cafeteria, a multi-purpose room, and the Center for Student Success. The Counseling, and Speicher-Rubin Centers, student clubs, and additional conference rooms are located on the third floor.

### **BookStore**

**Gilligan Student Union**  
201-200-3503, 201-435-6607  
<http://njcu.bncollege.com>

### **Fall and Spring Semester Hours:**

**Monday through Thursday**  
9:00 a.m. to 6:00 p.m., with extended hours during the first two weeks of classes  
**Friday and Saturday**  
9:00 a.m. to 1:00 p.m.

### **Summer I and II Session and Intersession Hours:**

**Monday through Thursday**  
9:00 a.m. to 5:00 p.m.  
**Friday** 9:00 a.m. to 1:00 p.m.

The New Jersey City University Bookstore, operated by Barnes and Noble College Bookstores, is located on the first floor of the Gilligan Student Union.

The store stocks all textbooks (new and used) and school supplies you will need while attending New Jersey City University. You will also find a wide variety of reference books, emblematic clothing and giftware, snack and other food items, health and beauty aids, newspapers and magazines, greeting cards and much more.

Purchases may be paid for with cash, check, Visa, MasterCard, Discover, American Express or New Jersey City University GothicCard. When you are purchasing merchandise via check, a valid student ID

and driver's license is required.

### **Student Government Organization (SGO)**

The Student Government Organization is the parent body to all other student organizations. It is administered by the Student Council, which is composed of the student government executive board, class representatives and club presidents. SGO charters and regulates all student clubs and organizations on campus and is responsible for the presentation of student activities including films, comedy shows, lectures, off-campus trips, and formal dinner dances.

SGO holds biweekly meetings to discuss issues pertaining to student life. At these meetings, students can express their concerns about academics, extracurricular activities, and social events.

Students interested in participating or obtaining more information about Student Government may contact the SGO office at 201-200-3591 or visit the website at: <http://www.njcu.edu/sites/sgo>.

### **Gothic Times**

The Gothic Times is the student newspaper. It covers the varied aspects of student life and New Jersey City University campus events. It reflects students' feelings on issues of interest to the University community. All interested students may participate in the production of the Gothic Times by contacting the office at 201-200-3575.

### **Tower Yearbook**

The University yearbook is an annual record of student life at New Jersey City University. It documents the activities of the senior class, University administration and faculty, and athletic teams each year. All interested students may join the yearbook staff by contacting the office in the Gilligan Student Union at 201-200-3488.

### **WGKR - Radio**

WGKR – Radio 540AM is operated by New Jersey City University students and broadcast with in the Gilligan Student Union and the Residence Halls. Programming is free form and reflects the musical diversity of the campus community. The radio's music library contains thousands of records, tapes, and CDs which include the following music styles: Club, classical, country, folk, heavy metal, hip-hop, jazz, Latin, pop, reggae, rhythm and blues and rock.

Students interested in joining WGKR should contact the radio station by calling 201-200-3556.

### ***Student Clubs and Organizations***

Student clubs and organizations are open to all New Jersey City University students. Co-curricular activities are an important aspect of the University experience. Participating in a student-run club or organization will provide you with many opportunities to develop leadership, social, and recreational skills outside the formal academic setting. Students interested in obtaining information about a student club or organization may contact the Student Government Organization by calling 201-200-3591.

### ***Center for Community Service and Volunteerism***

The Center for Community Service and Volunteerism (CCSV) aims to create and foster an ethic of lifelong service within the New Jersey City University community by encouraging students to participate in campus, city, county, state, national, and international outreach efforts. Participants through the CCSV engage in meaningful service projects and have the opportunity to make a positive impact in communities that have limited means to care for themselves within Jersey City, the Greater Hudson County area and other locations, throughout the United States and the world. The program is available to New Jersey City University undergraduate students, graduate students, faculty and staff. The goals for all participants engaged in the New Jersey City University Service Program are to develop:

An increased sense of civic responsibility and academic self-confidence; achieve higher grades

Enhance leadership ability; develop critical thinking skills; deepen their understanding of national and community problems

By combining formal study with service to the community, students find that their learning takes on greater depth and meaning.

For additional information on the Center for Community Service and Volunteerism and how to get involved, please visit the CCSV website at: <http://web.njcu.edu/sites/campuslife>.

### ***Greek Life***

#### **Fraternities and Sororities**

Fraternities and Sororities at New Jersey

City University are defined as selective self-perpetuating Greek-lettered organizations that have philosophies and objectives which are in agreement to play a positive role in the total educational process of the University and to provide opportunities for individual growth in terms of leadership and responsibility. Official recognition of the organization occurs only after approval is granted by the Greek Senate.

The Greek Senate is the parent organization for all recognized social fraternities and sororities. It is composed of two representatives from each recognized Greek-lettered organization.

#### **Purpose**

The purpose of fraternities and sororities at New Jersey City University is fourfold:

1. Greek—to acquaint students with the goals and traditions of our Greek Organization.
2. Scholastic—to ensure higher degrees of scholastic achievement by providing an atmosphere conducive to intellectual progress.
3. Social—to present to our members a more diversified social curriculum by sponsoring numerous mixers, outings, dances, and athletic events.
4. Community—to encourage community involvement by assisting recognized non-profit and community organizations.

#### **Membership**

Membership in fraternities and sororities is open to all New Jersey City University students. Membership is selective, but not as to race, creed, color, national origin or sexual preference. Students interested in obtaining information on the Greek system at New Jersey City University may contact the Office of Campus Life at 201-200-3585 or the Greek Life website at: [http://web.njcu.edu/sites/campuslife/Content/greek\\_life.asp](http://web.njcu.edu/sites/campuslife/Content/greek_life.asp).

## ADMISSIONS

Hepburn Hall, Rm. 207  
201-200-3234  
888-441-NJCU (6528)  
<http://www.njcu.edu>  
[admissions@njcu.edu](mailto:admissions@njcu.edu)

Jose Balda, Director of Admissions  
[jbalda@njcu.edu](mailto:jbalda@njcu.edu)

New Jersey City University is a public urban university with four-year undergraduate programs leading to the Bachelor of Arts, Bachelor of Science, Bachelor of Music, Bachelor of Science in Nursing, and Bachelor of Fine Arts degrees, and graduate programs leading to a Master of Arts, Master of Fine Arts, Master of Music, and Master of Science degrees.

### ***Admission to Undergraduate Programs***

Students seeking admission to undergraduate study must submit a formal application that will be provided by the Admissions Office on request. An online application is also available on the web at [www.njcu.edu](http://www.njcu.edu). A \$35.00 non-refundable application-processing fee is required of all candidates for admission. The non-refundable application processing fee for all applications submitted online is \$25.00.

Correspondence should be addressed to:

New Jersey City University  
Office of Undergraduate Admissions  
Hepburn Hall, Room 207  
2039 Kennedy Boulevard  
Jersey City, NJ 07305

### ***Admission for Full-Time and Part-Time Freshmen***

The priority deadline for filing an application for undergraduate admissions is April 1 for the upcoming fall semester and November 1 for the subsequent spring semester. These dates are subject to extension at the discretion of the Admissions Office. Full-time freshmen applicants are required to present the following credentials:

1. An official transcript from an approved secondary school. The courses completed or in progress must total a minimum of 16 units of college preparatory subjects including four units of English, three units of mathematics, two units of social studies, and two units of laboratory sci-

- ence; the five additional units of academic electives must be from courses in the above college preparatory subjects and foreign languages. Candidates submitting a General Education Diploma (GED) must also provide official GED scores;
2. Letters of recommendations from the secondary school principal or guidance counselor or teachers as to the character of the student and ability to undertake college work;
  3. Official SAT scores or ACT scores for students who completed high school fewer than 5 years ago.

SAT test applications are available in high school guidance offices or may be secured by writing to the College Entrance Examination Board, Box 592, Princeton, NJ 08540 or by visiting their website at [www.collegeboard.com](http://www.collegeboard.com). The College Board code number for New Jersey City University is 2516 and should be noted on the test application. The test is administered frequently at conveniently located centers in the United States and foreign countries.

#### **Class Schedule**

Students admitted as full-time freshmen are eligible to enroll in classes that are offered on a schedule of 8:00 a.m. to 9:50 p.m. A full-time student will normally average 32 semester hours each year, taking a minimum of 12 credit hours each semester.

Students admitted as part-time freshmen are eligible to enroll in classes that are offered on a schedule of 8:00 a.m. to 9:50 p.m. A part-time student may register for credit loads ranging from 1–11.5 semester hours. A credit load exceeding 11.5 semester hours requires special approval. Upon completion of 12 college-level credits, a student may change his/her status from part-time to full-time by completing the Change of Enrollment Status form available in the University Advisement Center.

#### **Freshmen Admission Programs**

New Jersey City University will consider freshmen applicants who have been unable to pursue studies to the extent described above. The University admits some freshmen under a special admissions program that waives completion of some secondary school requirements. The University also admits approximately 100 freshmen annually through its Equal Opportunity Fund Program, known at New Jersey City University as the Opportunity Scholarship Program

(OSP). More information about OSP can be found on the page 50.

#### ***Admission for Full-Time and Part-Time Transfer Students***

Each year, New Jersey City University accepts a number of transfer students from two-year and four-year institutions. Students interested in transferring to New Jersey City University as a full-time or part-time student should file their applications by April 1 for the upcoming fall semester and November 1 for the subsequent spring semester in order to meet the priority deadlines. These dates are subject to extension at the discretion of the Admissions Office.

Full-time and part-time transfer students are required, at the time when they apply for admission to New Jersey City University, to present the official transcripts from each accredited institution previously attended, showing cumulative grade point average (CGPA). Transfer applicants submitting fewer than 12 semester hours of acceptable credits are required to submit an official high school transcript along with scores from the SAT or ACT;

The transcripts of students admitted to New Jersey City University as transfer students, either for full-time or part-time study, will be evaluated by the University Advisement Center for application toward the Bachelor of Arts, Bachelor of Science, or other undergraduate degree. Transfer credits will be granted for courses carrying a letter grade of “C” or better and applicable to the student’s degree requirements.

In accordance with the New Jersey Statewide Transfer Agreement (2007), New Jersey City University provides transfer students the opportunity for seamless transfer of credits from completed Associated in Arts (A.A.) and Associated in Science (A.S.) degrees from New Jersey community colleges, thereby satisfying the University’s general education requirements up to a maximum of 64–66 credits, or half the required 128 credits for graduation.

A student may be required to take more than half of the credits necessary for graduation at the University if entrance into required courses at the University requires prerequisite courses that the student has not yet completed at the community college. Students holding A.A. or A.S. degrees will enter the University as Juniors upon admission and will have completed all General Studies Program requirements at the University. All remaining major program and other

course requirements must be completed at New Jersey City University.

Students holding A.A. or A.S. degrees from accredited colleges outside of New Jersey, and students holding Associated in Applied Science (A.A.S.) degrees, who transfer to New Jersey City University will have their transcripts evaluated on a course-by-course basis.

In order to receive transfer credits, courses must correspond to New Jersey City University course equivalencies, and must carry a letter grade of “C” or better (a numerical grade of 2.0 on a scale of 4.0). A maximum of 66 credits is transferable.

Nurses applying for admission to degree study must submit transcripts from their nursing school records and/or study at any other college. Students applying to the Accelerated Bachelor of Science in Nursing program must have already completed their bachelor’s degrees.

All final, official transcripts from previously attended institutions must be submitted no later than October 15 for fall applicants and February 28 for spring applicants.

#### ***Appeals of Transfer Evaluations***

In accordance with the Comprehensive Statewide Transfer Agreement (hereafter known as the “Agreement”), transfer students at New Jersey City University can appeal decisions that they believe are not consistent with the Agreement.

The Agreement and accompanying appeals procedure are not intended to initiate a request for course substitutions. Students wishing to make such a request should file a “Request to Substitute General Studies

Area Requirements” form with the Office of the Dean of the College of Arts and Sciences, Karnoutsos Hall, Rm. 605.

The full text of the Comprehensive Statewide Transfer Agreement, dated 9/22/08, is available at the Transfer Resource Center website, [http://www.njcu.edu/academics/advise\\_trcenter.asp](http://www.njcu.edu/academics/advise_trcenter.asp).

Appeals Procedure:

1. Appeals must include a statement that describes the detailed basis of the appeal and all supporting documentation to verify course credit and placement;
2. The transfer student must file a written complaint with the Director of University Advisement Center within thirty (30) days of any evaluation decision with which the student is not in agreement to the following email address: [jduff@njcu.edu](mailto:jduff@njcu.edu);

3. Upon receipt of the Director's decision, which is due to the student within fifteen (15) days of receipt, the student may appeal directly to the Vice President for Academic Affairs within ten (10) days. The Vice President's decision is final and is due to the student within ten (10) days of receipt;
4. All decisions will be communicated to the student via the student's NJCU email address and mailing address, which requires the student to establish a GothicNet ID and maintain a current, up-to-date mailing address prior to submitting this form.

### ***Admission for Full-Time and Part-Time Re-Entrants (Re-Admit Students)***

Students who have not enrolled for more than three academic semesters must file an application for readmission with the Office of Undergraduate Admissions. This application should be submitted before April 1 for the upcoming fall semester, or by November 1 for the subsequent spring semester. Applications received after these dates will be processed according to the availability of space.

Students who have attended any other colleges or universities since last attending New Jersey City University must forward official transcripts from these institutions to the Office of Undergraduate Admissions at New Jersey City University.

### ***Certification Programs***

Students interested in completing a teacher certification program on a part-time basis should contact the Office of Undergraduate Admissions for an application. Individuals who have already received an undergraduate degree at an accredited college or university and who wish to take courses to enable them to meet requirements for the New Jersey Teacher Certification are admitted under the classification "Certificate Program." A special program is developed in each case and it is advisable to consult the appropriate department before making a formal application for admission. In all teacher certification programs, those students who have not successfully completed a student teaching experience prior to admission to study must be prepared to spend one semester of full-time study to complete the approved certification program. Certification students must apply for Junior and Senior Field Experience courses immediately after registration. A student must have obtained an undergradu-

ate CGPA of 2.75 to be considered for a Teacher Certification Program.

Admission to a part-time certificate program does not constitute admission to a baccalaureate degree program. A part-time student admitted to study in a certificate program who wishes to complete an undergraduate degree must apply for admission to a degree program.

### ***Part-Time Non-Classified Study***

Students interested in taking courses on a part-time basis for personal or professional enrichment may choose from a broad range of classes offered from 8:00 a.m. to 9:50 p.m. Such students will register as non-classified students and need to submit:

1. An application for admission to part-time study;
2. An official high school/college transcript of work completed or a photocopy of a GED diploma with official GED scores.

Students admitted on a part-time, non-classified basis will not be considered eligible for federal or state financial aid.

### ***International Students***

New Jersey City University welcomes international students to join our growing community of students from around the world. International students must present the following credentials along with the completed application:

1. Official transcript(s) of all secondary school work completed. Transcript(s) should identify the institution attended and show dates of attendance, examinations passed, grades given (official), and the degree awarded. It is the responsibility of the student to have the transcript(s) evaluated by an accredited international academic credentialing service;
2. Official transcript(s) of all post-secondary institutions attended. It is the responsibility of the student to have the transcript(s) evaluated by an accredited international academic credentialing service;
3. Official Scholastic Aptitude Test (SAT) or American College Test (ACT) scores (Code No. 2516 for SAT and No. 2570 for ACT). If the language of instruction is not in English, the applicant should also submit scores from the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS).

The Office of International Students and Study Abroad provides support services for F-1 visa students and coordinates the University's Study Abroad and exchange programs. For specific information about student visas or any other topic of importance to international students, please call the International Student Advisor at 201-200-2089.

### ***Visiting Students***

Students enrolled at other colleges who wish to take courses at New Jersey City University need only submit an official letter from the college they are currently attending that indicates approval of such study. The letter should specify the course(s) authorized by the other institution.

### ***Notification of Decision***

The Admissions Office will notify the prospective student of its decision approximately one to two weeks after the candidate's file is complete. Upon acceptance to the University, all full-time and part-time students will be required to submit a non-refundable \$50.00 tuition deposit and a self-completed health form with specific immunization records attached.

## UNDERGRADUATE TUITION AND FEE SCHEDULE (2011–2012)\*

Total Credits	TUITION		FEES					TOTALS	
	In-State** Tuition	Non-Resident & Out-of-State Tuition (See Note A)	General Service	Student Activity	Student Center Fee	Technology Fee	Facilities Fee***	In-State** Total Charges	Non-Resident & Out-of-State Total Charges
1	235.80	498.25	47.70	2.40	19.70	16.10	10.00	331.70	594.15
2	471.60	996.50	95.40	4.80	39.40	32.20	20.00	663.40	1,188.30
3	707.40	1,494.75	143.10	7.20	59.10	48.30	30.00	995.10	1,782.45
4	943.20	1,993.00	190.80	9.60	78.80	64.40	40.00	1,326.80	2,376.60
5	1,179.00	2,491.25	238.50	12.00	98.50	80.50	50.00	1,658.50	2,970.75
6	1,414.80	2,989.95	286.20	14.40	118.20	96.60	60.00	1,990.20	3,564.90
7	1,650.60	3,487.75	333.90	16.80	137.90	112.70	70.00	2,321.90	4,159.05
8	1,886.40	3,986.00	381.60	19.20	157.60	128.80	80.00	2,653.60	4,753.20
9	2,122.20	4,484.25	429.30	21.60	177.30	144.90	90.00	2,985.30	5,347.35
10	2,358.00	4,982.50	477.00	24.00	197.00	161.00	100.00	3,317.00	5,941.50
11	2,593.80	5,480.75	524.70	26.40	216.70	177.10	110.00	3,648.70	6,535.65
<b>FULL-TIME STUDENT (12 OR MORE CREDITS), PER SEMESTER:</b>									
12+	3,537.90	7,474.00	715.50	71.05	295.15	240.90	150.00	5,010.50	8,946.60

**Please note the following carefully:**

- A. Out-of-State residents and non-resident aliens (visa): Tuition (only) is \$498.25 per credit.
- B. Newly accepted students who have paid the \$50.00 deposit receive a \$50.00 credit during their first semester. (Tuition will be reduced by this amount at payment time.)
- C. A non-refundable Late Fee of \$75.00 is charged to students who register after the payment deadline published in the Master Course List for each semester.
- D. Internship Fees:  
 Student Teaching Internship:  
 Seniors—\$150.00, and Juniors—\$65.00  
 School Nursing Internship: 4 credits, \$62.50.
- E. Transcript fees:  
 One-Time Transcript Fee: \$25.00

\*Tuition and fees are subject to change on an annual basis.

\*\* A student shall be classified as a New Jersey Resident for tuition purposes upon admission to a public institution of Higher Education in the State of New Jersey if the student or the parent(s) or guardian(s) upon whom the student is financially dependent, has been a bona fide domiciliary of the State for at least one year immediate prior thereto. All F-1 Visa students must become permanent resident aliens before they can be considered New Jersey residents.

\*\*\* Pending Approval

The fees listed below are mandatory at the University and are used to support services for all NJCU services.

### NON-RESIDENT AND OUT-OF-STATE TUITION

Non-resident tuition charges are applicable to

persons who have not established permanent legal residence in the State of New Jersey. This also applies for F-1 study visa students, since they are temporary residents for study purposes only.

### EXPLANATION OF STUDENT FEES

The fees listed below are mandatory at the University and are used to support services for all NJCU services:

#### GENERAL SERVICE FEE

This fee supports University programming and a range of other student services including student I.D. cards and shuttle services to and from the parking lots.

#### STUDENT ACTIVITY FEE

This fee is collected by the University and is used to support the Student Government Association, clubs and entertainment events throughout the school year. A portion of this fee is also used to support the athletic programs at the University.

#### STUDENT CENTER FEE

Students pay a student center fee to support the Gilligan Student Union Building programs, operations, and maintenance.

#### TECHNOLOGY FEE

This fee supports the University infrastructure throughout the University including maintaining and updating the labs, student computer accounts, and internet/networking connections including wireless connections.

#### FACILITIES FEE

The fee is used to support the acquisition of capital assets, including new buildings and infrastructure, as well as the improvement, repair and renovation of existing University buildings and grounds.

### TRANSCRIPT FEE

A one-time transcript fee of \$25.00 is charged to all students during their first term of enrollment at New Jersey City University. As a result, there is no charge for official transcripts at the time of request (except as noted below). Transcript requests are limited to 10 transcripts per year. Same day service: \$10.00 per transcript, provided within 1 hour, until 4:00 p.m.

### ORIENTATION FEE

This is a one-time MANDATORY fee charged to all new NJCU students and is associated with the production of materials and coordination of undergraduate and transfer student orientations.

### STUDENT TEACHING FEE

All students enrolled in a student teaching Internship must pay an internship fee of \$150.00 during the semester for which they are registered. All students enrolled in a Junior-year field experience must pay an internship fee of \$65.00 during the semester for which they are registered. All students enrolled in a school nursing Internship (4 credits) must pay an internship fee of \$62.50 during the semester for which they are registered.

**Payment of Fees:** Bills for tuition, charges and fees are due and payable to the University Business Office on the dates stated in the Registration Instructions, which are made available to all students. Students will not be admitted to classes on the opening day of a semester unless all bills are paid. A Late Registration Fee of \$75.00 is charged for registration later than the date announced by the Registrar.

**Advanced Deposit:** Applicants for admission are required to deposit a nonrefundable, nontransferable charge of \$50.00 within two weeks of the receipt of the notification of their

acceptance. This amount is deducted from the first semester's bill.

**Textbooks:** Students shall provide at their own expense such books, equipment and materials as may be necessary. These may be secured from the University bookstore, which is located on the first floor of the Gilligan Student Union.

**Student Health Insurance:** The State of New Jersey requires that all full-time college students maintain health insurance coverage throughout the period of their enrollment. All full-time students are required to carry basic health/hospitalization coverage. If you are a full time student and are covered by another comparable health insurance policy, you may waive the health insurance charge by completing an online waiver form at <https://studentcenter.uhcsr.com/njcu>.

**Refunds:** Students who find it necessary to withdraw from the University before the completion of their courses must file an official notice of withdrawal in the counseling office. A portion of the tuition and fees will be refunded on a prorated basis where applicable, according to refund periods established by the University.

**Note:** Non-attendance does not constitute withdrawal from courses or from the University.

## FINANCIAL AID AND SCHOLARSHIPS

Hepburn Hall, Rm. 215  
201-200-3173  
<http://www.njcu.edu>

Patricia Albers,  
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New Jersey City University strives to offer its students maximum opportunities for financial aid. The University offers the full range of institution, state and federal programs for students matriculated in a degree program. All applicants for state and federal aid must file the Free Application for Federal Student Aid (FAFSA). The descriptions of these aid programs are effective as of July 2010 and are subject to change.

### Eligibility

The following are some of the general requirements which each applicant for financial aid must meet each year. In order to receive federal and/or state financial aid at New Jersey City University, an individual must meet all of the following requirements:

1. Have financial need, as determined by federal needs analysis, except for some loan programs;
2. Be enrolled or accepted for enrollment as a regular student working toward a degree in an eligible program;
3. Be a citizen or eligible non-citizen;
4. Have a valid Social Security Number;
5. Make satisfactory academic progress toward completion of a degree;
6. Not be in default on a federal student loan or owe a refund on a federal student grant;
7. Register with Selective Service, if required.

The law suspends aid eligibility for students convicted under federal or state law of sale or possession of illegal drugs. You may call 1-800-433-3243 to find out if this law applies to you, or if you have any questions regarding this law.

### Types of Student Financial Aid

There are three general types of student aid programs available:

1. Grants, which are gift aid and do not have to be repaid;
2. Loans, which must be repaid six to nine months after the student ceases to be enrolled in at least a half-time status;
3. Employment, in which the student earns a financial aid work-study award by working part-time in an on-campus or off-campus job.

Students who show "need" for financial aid may receive assistance from more than one program. Aid is offered in the form of a "financial aid package," and represents a combination of aid types structured to meet the student's financial need.

### Federal Programs

The **Federal Pell Grant Program** is a federally funded student aid program, which makes available to all eligible students a grant of up to \$5550 for the 2010–2011 academic year. The grant amount will depend on the student's Estimated Family Contribution (as determined by federal needs analysis) and enrollment status. A Federal Pell Grant, unlike a loan, does not have to be repaid. Pell Grants are awarded only to undergraduate students who have not earned a bachelor's or professional degree, such as a degree in medicine, law, or dentistry. For many students, Pell Grants provides the foundation of the "financial aid package" to which other aid may be added.

Under the Year-Round Pell Grant program authorized through the Higher Education Act of 2008, matriculated, eligible undergraduate students may receive two scheduled Pell Grant awards in the same award year. Thus, students who have fully expended a first Pell Grant award during that Fall and Spring semesters may receive a second Pell Grant award during the Summer session. To receive a second scheduled Pell Grant award, a student must:

1. Complete the Free Application for Federal Student Aid (FAFSA) to determine eligibility;
2. Have received 100% of the first scheduled Pell Grant award;
3. Be enrolled in six or more credits during the Summer sessions;
4. Meet Satisfactory Academic Progress standards (See Standards of Satisfactory Academic Progress for Financial Aid, Page 38.);



5. Complete the NJCU Summer Financial Aid application.

Award amounts received during Summer study will count toward aggregate lifetime limits.

Beginning in the 2010–2011 award year, students must demonstrate academic-year acceleration in order to qualify for a second scheduled Pell Grant award. Acceleration rules will apply, beginning in Summer 2011. At least one credit-hour in the payment period from the second scheduled Pell Grant award must count toward the subsequent academic year.

It is not necessary for a student to complete a full academic year of coursework prior to the payment of the second scheduled Pell Grant award. For example, a student earns 9 credit-hours during the Fall semester and 9 credit-hours during the Spring semester. The University uses 24 credit-hours to define the academic year and places summer in the concluding award year. Therefore, the student must enroll in more than 6 credit hours in the summer term to receive funds from the second scheduled Pell Grant award. Six credit-hours of aid will be applied to the first academic year's courses ( $9+9+6=24$ ), and any additional credit-hours of aid will be applied to the second academic courses.

Beginning in Summer 2011, New Jersey City University will consider both the 2010–2011 FAFSA and the 2011–2012 FAFSA to determine the highest Pell Grant awards that students are eligible to receive in each semester. It is highly recommended that students who are interested in taking Summer courses submit the FAFSA as early as possible each year.

For transfer students:

- Students who received 100% of the first scheduled Pell Grant award at their prior school are assumed to have completed the academic year;
- Students who received less than 100% of the first scheduled Pell Grant award at their prior school are assumed to have completed the same percentage of the academic year, based on a 24 credit-hour year, as the percentage of the first scheduled award utilized at the prior school.

For example, a transfer student received \$2007 of a \$5350 first scheduled Pell Grant award.  $\$2007 \times 24 / \$5350 = 9$  credit-hours.

Therefore, the student is assumed to have earned 9 credit-hours at the prior school.

The **Federal Perkins Loan Program** makes available a long-term, low interest loan to eligible students in need of funds. A student may borrow up to \$2,500 for each year of study at the University. Loan amounts depend on need and availability of funds. Repayment begins nine months after the student graduates, leaves school, or drops below half-time status. During the repayment period, interest accrues on the unpaid balance at the rate of five (5) percent. Under certain circumstances, repayment of the loan may be deferred.

The **Federal Work-Study Program** makes available part-time employment to students with financial need, allowing them to earn money to help pay educational expenses. The program encourages community service and work related to a student's course of study. The student may work up to an average of 20 hours per week during the academic year. The University arranges for jobs in campus offices and in public and private nonprofit agencies.

The **Federal Supplemental Educational Opportunity Grant (SEOG) Program** is for undergraduates with exceptional financial need and gives priority to students who receive Federal Pell Grants. These grants, which do not have to be repaid, range from \$100–\$4,000 per year, and are subject to the availability of funds.

The **William D. Ford Federal Direct Stafford Loan (Direct Loan Program)** is a student loan that must be repaid and is available to both undergraduate and graduate students. The federal government provides the funds for your Direct Stafford Loan through your school. First-year dependent undergraduates are eligible for a subsidized loan up to \$3,500 and up to an additional unsubsidized amount of \$2,000, for a total of \$5,500. A subsidized loan is awarded on the basis of financial need. If you're eligible for a subsidized loan, the government will pay (subsidize) the interest on your loan while you're in school, for the first six months after you leave school, and if you qualify to have your payments deferred. For an unsubsidized loan, you are responsible for the interest from the time the unsubsidized loan is disbursed until it is paid in full. Amounts increase for subsequent years of study, with higher amounts for graduate students.

**Direct PLUS Loans** are unsubsidized loans made to parents of dependent under-

graduate students (Parent PLUS loans) and to graduate or professional students (Graduate PLUS loans). Direct PLUS Loan funds are provided by the federal government through the school. A graduate or professional student must complete the FAFSA and the school must determine the student's eligibility for the maximum annual amount of Direct Loan Program Stafford Loan (subsidized or unsubsidized) before the student may apply for a Graduate PLUS Loan. However, the student is not required to accept the Stafford Loan funds as a condition for receiving a Graduate PLUS Loan. A dependent undergraduate student whose parent is unable to obtain a PLUS Loan may borrow additional Stafford Loan funds at the higher loan limits otherwise only available to independent undergraduates.

### ***New Jersey State Assistance Programs***

The **Tuition Aid Grant (TAG) Program** is a student aid program sponsored by the State of New Jersey. The amount of the grant depends on an eligibility index as determined by the New Jersey Higher Education Student Assistance Authority, which reviews family income and assets as reported on the FAFSA. To participate in the TAG Program, a student must enroll as a full-time student and be a resident of New Jersey for the preceding 12 months, and file the FAFSA by specified deadlines.

The **Garden State Scholars, Distinguished Scholars, and Urban Scholars Programs** provide awards ranging from \$465 to \$930 a year for academically gifted incoming students. Applicants for these programs must meet academic requirements as specified by the New Jersey Higher Education Student Assistance Authority, which assess high school records and Scholastic Aptitude Test (SAT) scores. To participate in these scholarship programs, a student must enroll as a full-time student and be a resident of New Jersey for the preceding 12 months. The scholarships are renewable annually, provided the student continues to maintain satisfactory academic progress and remains a resident of New Jersey.

The **Educational Opportunity Fund (EOF) Grant Program** is intended for students with exceptional financial need who come from an educationally disadvantaged background. Grant awards range from \$200 to \$2,100. To participate in the EOF Program, a student must enroll as

a full-time student, be a resident of New Jersey for the preceding 12 months, and be selected by the University for enrollment in its Opportunity Scholarship Program (OSP, See *page 46*).

### ***Other Aid Programs***

The **New Jersey College Loan to Assist State Students (NJCLASS)** is a loan program intended for the families of undergraduate or graduate students who need assistance in realizing their educational goals. Under this program, a student, parent, legal guardian, spouse, or relative may borrow funds needed to meet the student's educational costs. The NJCLASS loan should be used as a supplemental source of funding after the student has applied for other sources of financial assistance. The program is administered by the New Jersey Higher Education Student Assistance Authority, which also acts as the lender. Interest rates and repayment terms are similar to the PLUS loan program.

The University also participates in the **Public Tuition Benefits Program, the Veterans Tuition Credit Program, and the POW/MIA Program.**

### ***Application Procedures***

To apply for the federal and state student assistance programs described above, students must complete a Free Application for Federal Student Aid (FAFSA). The application may be completed online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). The FAFSA worksheet is also available from the Financial Aid Office, Hepburn Hall, Room 215.

Students should apply as soon after January 1, as possible, for the upcoming award year. It is easiest to complete the application with the family's completed tax return in hand, but the application may be completed with estimated tax information the returns were not yet filed.

Students must reapply for federal aid every year. The application deadlines for each program are indicated in the FAFSA. For the Federal Perkins Loan, Federal Work-Study, and the Federal Supplemental Educational Opportunity Grant Programs, the University has set a priority filing deadline of **April 15** for academic year applicants, and **November 15** for spring semester applicants.

After the completed application is received by the federal processing system, the federal processor will produce a Student Aid Report (SAR). The SAR will report the in-

formation from the application and, if there are no questions or problems with the application, the SAR will report an "Expected Family Contribution," the amount used in determining eligibility for federal student aid. These results are sent to students and to the schools that they list on the FAFSA. Based on this information the Financial Aid Office will review your application and determine your eligibility for financial aid.

For New Jersey residents, the SAR will also be shared with the New Jersey Higher Education Student Assistance Authority, and the application will be automatically reviewed for eligibility for the New Jersey Tuition Aid Grant program.

### ***Return of Financial Aid (Title IV Funds)***

The financial aid that students receive is intended to pay for class attendance and educational expenses. Students should attend all of their classes to derive the most benefit from their courses.

Students must remain enrolled and attend classes through the 60% point of the semester in order to retain their complete financial aid award. Students who withdraw or stop attending before completing 60% of the semester can receive only a pro-rated portion of their financial aid for that semester.

New Jersey City University uses the Federal formula to calculate how much aid is earned if a student withdraws before the end of the semester. The amount of financial aid earned is calculated on a daily basis from the first day of classes. The formula uses calendar days, rather than business days, to determine the length of the semester. The number of days attended is divided by the number of days in the semester to calculate a percentage that is used to determine the amounts of earned and unearned financial aid. The total amount of federal aid received in the semester is multiplied by that percentage to arrive at the amount of earned aid. The remaining, unearned aid must be returned to the federal programs. NJCU must return any portion of unearned student financial aid it had retained for the payment of tuition, fees and other charges. NJCU must also return any portion of unearned aid for which the student is responsible, and subsequently bills the student for that amount. The Financial Aid Office and the Bursar notify the student of the amount that must be repaid to the University.

For example; a student withdraws on the

35th day of a 110-day semester, the student would earn 32% (35/110) of the financial aid for that semester. The balance of the aid (68%) would be considered unearned and must be returned to the federal programs.

Unearned aid is returned in the following order:

1. Direct Unsubsidized Loans
2. Direct Subsidized Loans
3. Direct Grad Plus Loans
4. Perkins Loans
5. Direct PLUS Loans
6. Pell Grant
7. Academic Competitiveness Grant (ACG)
8. Science and Mathematics Access to Retain Talent (SMART) Grants
9. Federal Supplemental Educational Opportunity Grant (FSEOG)

Students who withdraw after the 60% point in the semester are not subject to proration.

Financial aid recipients, who NEVER ATTEND ANY of their classes, but who officially withdraw and receive refunds based on the above refund policy, will be subject to Return of Title IV Funds calculations.

Financial aid recipients who WITHDRAW FROM or STOP ATTENDING ALL of their classes on or before the 60% point of a semester for which they are charged will be subject to recalculation of their financial aid eligibility, based on their last date of attendance and the application of Federal Return of Title IV Funds calculations.

### ***New Jersey City University Foundation Endowed and Annual Scholarship Programs***

201-200-3196

[http://www.njcu.edu/alumni/foundation\\_sships.asp](http://www.njcu.edu/alumni/foundation_sships.asp)

New Jersey City University annually awards more than 300 scholarships to deserving students based on financial need, academic achievement, and/or other merit. A number of these scholarships are made available through the NJCU Foundation and gifts from friends, corporations, and alumni. The NJCU Foundation Endowed and Annual Scholarships are awarded by the University Scholarship Committee and/or a specific academic department. The awarding of the scholarships is subject to the availability of funds.

These scholarships are intended to help deserving students meet the financial obligations of pursuing higher education. In making these awards, the Scholarship Committee and/or academic department may require candidates to complete and submit a scholarship application. In addition to the application, a student must meet the criteria for specific endowed or annual scholarships.

Due to the dynamic nature of this program, specific information about each scholarship, the guidelines for consideration, deadlines, and the appropriate application form(s) are available on the University's website for download at [http://www.njcu.edu/alumni/foundation\\_sships.asp](http://www.njcu.edu/alumni/foundation_sships.asp). Each scholarship has its own selection criteria and it is the responsibility of the student(s) to familiarize themselves with the fundamental requirements of each scholarship as outlined on the website.

The NJCU Foundation regular updates and adds scholarships within the program. Below is a partial list of currently available endowed and annual scholarships. All of the following scholarships are awarded for one academic year, unless otherwise specified. For the most current information, or to answer questions about the NJCU Foundation endowed and annual scholarship program, call 201-200-3196 and ask for the Scholarship Coordinator.

***Partial List of NJCU Foundation Endowed and Annual Scholarships***

TERESA A. ARENIELLO ANNUAL SCHOLARSHIP

MICHAEL AND ROSE ASCOLESE MEMORIAL ENDOWED SCHOLARSHIP

BLACK ADMINISTRATORS, ALUMNI, FACULTY, STAFF AND STUDENT ORGANIZATION ANNUAL SCHOLARSHIP

ESTHER BARISH ENDOWED SCHOLARSHIP ART AND DESIGN

"BEL CANTO" ANNUAL SCHOLARSHIP FOR VOCAL EXCELLENCE

SAM BIEL MEMORIAL ANNUAL SCHOLARSHIP

FRANK L. CAPONE MEMORIAL ENDOWED SCHOLARSHIP

ODESSA CHAMBLISS ENDOWED SCHOLARSHIP

ESTHER BRINEY CHU ANNUAL SCHOLARSHIP

CHRISTOPHER COLUMBUS ANNUAL SCHOLARSHIP

COUNCIL ON HISPANIC AFFAIRS ANNUAL SCHOLARSHIP

JOSEPH DE LUCA-PFIZER MEMORIAL ANNUAL SCHOLARSHIP

DR. JOSEPH DORIA ANNUAL SCHOLARSHIP

JOSEPH DREW ANNUAL MEMORIAL MEDIA ARTS SCHOLARSHIP

LILLIAN EVANS EGAN ENDOWED SCHOLARSHIP

DR. MYRNA EHRLICH ANNUAL SCHOLARSHIP

WILLIAM H. ELLIOT MEMORIAL ENDOWED SCHOLARSHIP

CHRISTOPHER FIORE ENDOWED MUSIC SCHOLARSHIP

ELIZABETH J. FOSTER ANNUAL SCHOLARSHIP

FRIENDS OF MUSIC & ART—ENDOWED ART SCHOLARSHIP

FRIENDS OF MUSIC & ART—ANNUAL MUSIC SCHOLARSHIP

MICHAEL B. GILLIGAN ENDOWED SCHOLARSHIP

FOSTER E. GROSSNICKLE ENDOWED SCHOLARSHIP

LEE FRANK AND MELVANIA RHYMES HAGAN ENDOWED SCHOLARSHIP

RUTH HAGAN ENDOWED SCHOLARSHIP

WILL HAYES MEMORIAL ENDOWED SCHOLARSHIP

WILL HAYES GRADUATE ENDOWED FELLOWSHIP

FLORENCE STEELE HUNT EDUCATIONAL ENDOWED SCHOLARSHIP

JAZZ ANNUAL SCHOLARSHIP

DR. GEORGE KARNOUTSOS ENDOWED SCHOLARSHIPS

FRANK J. MAIURO ENDOWED SCHOLARSHIP

MARTIN LUTHER KING ENDOWED SCHOLARSHIP

ANGELA GIARDINA MAXWELL MEMORIAL ENDOWED SCHOLARSHIP

NELSON MAYO MEMORIAL ANNUAL SCHOLARSHIP

EDWARD J. MEADE ENDOWED SCHOLARSHIP

JOHN MERCIER ANNUAL MEMORIAL SCHOLARSHIP

THE CHARLES MOTTOLA MEMORIAL ENDOWED SCHOLARSHIP

NEW JERSEY URBAN ENTERPRISE ZONE AUTHORITY MEDIA SCHOLARSHIP

NEW JERSEY URBAN ENTERPRISE ZONE AUTHORITY GENERAL SCHOLARSHIP

NURSING ANNUAL SCHOLARSHIP

PEPSI ANNUAL SCHOLARSHIP

CHARLOTTE AND HUGO PRINS ENDOWED SCHOLARSHIP

PROVIDENT BANK FOUNDATION ENDOWED SCHOLARSHIP

JOHN RAINES MEMORIAL ANNUAL SCHOLARSHIP

JOHN RECKZEH MEMORIAL ANNUAL SCHOLARSHIP

TOM REISS ENDOWED SCHOLARSHIP

EVELYN KIVY ROSENBERG ENDOWED SCHOLARSHIP

EVA RUBIN WOMEN'S & GENDER STUDIES ANNUAL SCHOLARSHIP

DRS. ROBERT AND HELEN RUSSELL ENDOWED ART SCHOLARSHIP

SERVICE CORPS OF RETIRED EXECUTIVES ANNUAL SCHOLARSHIP

SIGMA OMEGA GAMMA ENDOWED SCHOLARSHIP

DONALD J. SILBERMAN ENDOWED SCHOLARSHIP

NAT & LOTTIE SIPERSTEIN ANNUAL SCHOLARSHIP

SISTER JOAN STEANS ENDOWED SCHOLARSHIP

MAX SUSSMAN MEMORIAL ENDOWED SCHOLARSHIP

JEANNE THORNTON MEMORIAL ENDOWED SCHOLARSHIP

HARRIET VIGERSKY ENDOWED MUSIC SCHOLARSHIP

GEORGE VOLLER ANNUAL SCHOLARSHIP

CHARLES WEENING MEMORIAL ENDOWED SCHOLARSHIP

PETER WEISS JOURNALISM ANNUAL SCHOLARSHIP

JONATHAN WENDE MEMORIAL ENDOWED SCHOLARSHIP

WINOKUR FAMILY ENDOWED SCHOLARSHIP

***NJCU Foundation Awards***

FRANK J. GUARINI ANNUAL LEADERSHIP AWARD

HART ANNUAL AWARD

PRENTICE WHITLOCK ENDOWED MATH AWARD

ZICCARDI ANNUAL ART AWARD

## ACADEMIC AFFAIRS

Hepburn Hall, Rm. 309  
201-200-3003  
<http://web.njcu.edu/dept/academicaffairs>

**Dr. Joanne Bruno, Vice President**  
[jbruno@njcu.edu](mailto:jbruno@njcu.edu)

**Dr. Deborah Gee Woo, Assistant Vice President**  
[dwoo@njcu.edu](mailto:dwoo@njcu.edu)

The Office of Academic Affairs houses the Vice President for Academic Affairs, who is the chief divisional administrator of the University's academic programs, policies and procedures. The vision of the Division of Academic Affairs is to lead New Jersey City University in becoming a nationally recognized leader in urban, public, higher education.

The Division of Academic Affairs is committed to creating and sustaining a higher education environment for New Jersey City University's students and faculty that is grounded in a culture of evidence and that values excellent teaching, scholarly achievement, creative activity, service, and lifelong learning. The Division supports the mission of the University by providing high quality academic degree and certificate programs with urban and global perspectives, as well as a robust faculty-development program.

The Division of Academic Affairs, as the academic and intellectual core of New Jersey City University, is committed to providing a richly diverse student population with a high quality education in an urban setting. The Division strives to uphold the value of a liberal arts education for its students by maintaining a highly qualified and diverse faculty, offering dynamic and challenging academic programs, and providing an integrated academic support system to promote student retention and achievement.

The Office supervises the faculty and professional staff assigned to all academic departments within the College of Arts and Sciences, the College of Education, and the College of Professional Studies, the Graduate Studies and Continuing Education Offices, the Congressman Frank J. Guarini Library, and all academic support departments:

- Academic Career Planning and Placement
- Academic Computing
- Center for Teaching and Learning
- Grants and Sponsored Programs
- Institutional Research
- Lee Hagan Africana Studies Center
- Online Learning
- Office of Academic Services for Evening Students (OASES)
- Office of Specialized Services for Students with Disabilities
- Pre-College Programs
- University Advisement Center
- Youth Corps/AmeriCorps

Additional information can be obtained by visiting the office, located in Hepburn Hall, Room 309, or by calling 201.200.3003 between 9am and 5pm.

## ACADEMIC PROGRAMS

New Jersey City University offers a wide variety of undergraduate and graduate degree programs through the William J. Maxwell College Arts and Sciences, the Deborah Cannon Partridge Wolfe College of Education, and College of Professional Studies. In addition, interdisciplinary study and special certification programs are provided within each school.

Program descriptions, which appear later in this Catalog, provide students with the general scope of study in each area. Elective courses are alternated on a semester and/or yearly basis so that a student will have a broad choice of courses.

The University offers undergraduate degree programs in liberal arts, education, and professional fields such as business administration, criminal justice, fire science, health sciences, nursing and professional security studies. Some undergraduate programs provide pre-professional preparation for careers that require advanced study, e.g., dentistry, medicine, or law. The liberal arts programs are sufficiently flexible so that students may develop a degree of competence for immediate employment by completing a block of professional/area courses in conjunction with liberal arts majors. The University also offers several joint degrees and programs with the University of Medicine and Dentistry of New Jersey (UMDNJ) and New Jersey Institute of Technology (NJIT), whereby students can graduate with either a joint degree from both institutions or a degree from New Jersey City University along with a certificate in a specialization, such as advanced practice, from UMDNJ.

### ***Baccalaureate Degree Programs***

#### **1. Bachelor of Fine Arts**

William J. Maxwell College of Arts and Sciences:  
Art

#### **2. Bachelor of Arts**

William J. Maxwell College of Arts and Sciences:  
Applied Physics  
Art  
Biology  
Chemistry  
Economics  
English

Geoscience  
History  
Mathematics  
Media Arts  
Music  
Philosophy  
Political Science  
Psychology  
Sociology  
Spanish  
Women's and Gender Studies

### 3. Bachelor of Arts

Deborah Cannon Partridge Wolfe  
College of Education:  
Early Childhood Education with a  
co-major in Arts & Sciences for  
P-3 Certification, Elementary  
Education Certification and  
Teacher of Students with Disabili-  
ties Certification  
Elementary Education with a  
co-major in Arts & Sciences  
Elementary/Special Education with  
a co-major in Arts & Sciences for  
dual Certifications—Elementary  
Education & Teacher of Students  
with Disabilities

### 4. Bachelor of Music in Music Performance

William J. Maxwell College  
of Arts and Sciences:  
Music

### 5. Bachelor of Science

William J. Maxwell College of Arts  
and Sciences:  
Applied Physics  
Biology  
Chemistry  
Computer Science  
Geoscience

### 6. Bachelor of Science

College of Professional Studies:  
Accounting  
Business Administration  
Criminal Justice  
Finance  
Fire Science  
Health Sciences  
Management  
Marketing  
National Security Studies

### 7. Bachelor of Science in Nursing

College of Professional Studies:  
Nursing (for Registered Nurses)  
Nursing—Accelerated Program  
(Second Degree: non-nurse, bach-  
elor's degree in another field)

### 8. Joint Degrees with the UMDNJ

William J. Maxwell College of Arts  
and Sciences:  
Bachelor of Science in  
Clinical Laboratory Science  
(Biology)  
Bachelor of Science in Allied Health  
Technologies (Biology)  
College of Professional Studies:  
Bachelor of Science in Health  
Sciences/Advanced Practice  
(Health Sciences)

### 9. Dual Degree Program with NJIT

William J. Maxwell College of Arts  
and Sciences:  
Bachelor of Science in Applied Phys-  
ics (NCJU) and Bachelor of Science  
in Electrical Engineering (NJIT)

### *Minor Programs*

The general curriculum pattern provides broad flexibility and freedom of choice to combine a degree program with study in a minor program area that has special relevance for the individual student. Students generally elect minor programs for personal enrichment or for developing a degree of competence for employment upon graduation. In addition to minor programs derived from the major disciplines, the College of Professional Studies offers a minor program in Fitness, Exercise and Sports; the Deborah Cannon Partridge Wolfe College of Education offers a minor program in Literacy Education, and the William J. Maxwell College of Arts and Sciences offers the following interdisciplinary minor programs:

African and African-American Studies  
Ethnic and Immigration Studies  
International Studies  
Latin American, Caribbean  
and Latino Studies  
Pre-Law  
Women's and Gender Studies

### *Dual Admissions with New Jersey Community Colleges (not inclusive)*

Brookdale Community College  
Business Administration  
Criminal Justice  
Early Childhood Education  
Fire Science  
Professional Security Studies  
Essex County College  
Hudson County Community College  
Union County College

## UNDERGRADUATE DEGREE REQUIREMENTS

All students must complete New Jersey City University's General Studies Program, a 66-credit survey of the liberal arts, in order to graduate. The General Studies Program is divided into two main areas: All University Requirements (AUR); and General Studies Program Areas.

All incoming student are expected to satisfy the All University Requirements (AUR), 18 required credits, and General Studies area requirements, 48 credits, as described in the information that follows. Students who entered New Jersey City University prior to fall 2001 should follow the General Studies Program in effect at the time they first enrolled at the University, and described in the appropriate undergraduate catalog.

Incoming freshmen are required to take basic skills placement tests administered by the University Advisement Center. Students must register for and successfully complete coursework in English and Mathematics, as indicated by their performance on these placement tests. If a student places into Academic Foundations course(s), that coursework must be completed before taking the AUR in that subject area. First Year Experience (FYE) courses should be taken in the first semester enrolled.

Information on Academic Foundations courses can be found on *page 28*.

The courses that students take to complete undergraduate degrees follow. A minimum of 128 credits is required to complete a degree. Transfer students must complete a minimum of 32 credits at New Jersey City University.

### *The General Studies Program* (66 required credits)

#### **ALL UNIVERSITY REQUIREMENTS (AUR)** **18 REQUIRED CREDITS**

Tier #1 classes must be completed within the first 30 degree credits earned; Tier #2 classes must be completed prior to earning 60 degree credits.

#### **Tier #1**

ENGL 101 <sup>1</sup>	English Composition I	
	Tier #1	3 credits
ENGL 102 <sup>1,2</sup>	English Composition II*	
	Tier #1	3 credits
FYE XXX	First Year Experience	
	Tier #1	3 credits

MATH 112 <sup>1,3</sup>	Intermediate Algebra	
	OR aor higher level math course (+)	
	Tier #1	3 credits

#### **Tier #2**

GSC 1014	Civilizations I	3 credits
GSC 1025	Civilizations II	3 Credits

#### **Notes:**

<sup>1</sup> Based on the results of placement tests, students will be required to register for either an honors, regular or ESL section of these courses.

<sup>2</sup> ENGL 101 (English Composition I) is a prerequisite for ENGL 102 (English Composition II).

<sup>3</sup> Some departments allow their majors to substitute MATH 102 Fundamentals of Math for the AUR in Math. Students should consult with the chairperson of their prospective major as early in their academic careers as possible in order to determine the appropriate AUR Math course.

<sup>4</sup> ENGL 101 (English Composition I) is a prerequisite for GSC 101 (Civilizations I).

<sup>5</sup> ENGL 102 (English Composition II) and GSC 101 (Civilizations I) are prerequisites for GSC 102 (Civilizations II).

\*Based on the results of placement tests, students will be advised to register for either the honors, regular or ESL version of these courses.

(+) Some departments allow their majors to substitute MATH 102 Fundamentals of Math for the AUR in Math. Students should consult with the chairperson of their prospective major as early in their academic careers as possible in order to determine the appropriate AUR Math course.

#### **GENERAL STUDIES PROGRAM AREAS** **48 CREDITS**

A total of 48 credits must be earned in Area courses. Students select 6 to 9 credits in each of areas A through E plus 6 credits in area F:

#### **Area A: Natural Sciences 6–9 credits**

Students taking 6 credits may select from any of the following courses.

Students taking 9 credits may take a maximum of 6 credits in a single department.

Biology: 100, 103, 104, 106, 130  
Chemistry: 105, 111, 112, 117, 118

Geoscience/Geography (Physical): GEOS 109, 111, 112, 113, 115; GEOG 111  
Physics: 101, 113, 130, 131, 240, 1130, 1131

#### **Area B: Social Sciences 6–9 credits**

Students taking 6 credits take 3 credits from Group 1 and 3 credits from Group 2.

Students taking 9 credits take 3 credits from Group 1, 3 credits from Group 2 and 3 additional credits in either Group 1 or Group 2.

#### Group 1:

Economics: 101, 102, 110, 207, 208  
Political Science: 102, 109, 110, 116, 205

#### Group 2:

Geography (Cultural): 112, 113  
Psychology: 100, 110, 150, 152, 160  
Sociology/Anthropology: 111, 113, 114, 141, 225

#### **Area C: Arts & Media 6–9 credits**

Students taking 6 credits may take a maximum of 3 credits in a single department.

Students taking 9 credits may take a maximum of 6 credits in a single department.

Art: 102, 104, 105, 130, 131  
Media Arts: 100, 102, 103, 119, 215  
Music/Dance/Theater: 101, 102, 103, 104, 106

#### **Area D: Humanities 6–9 credits**

Students taking 6 credits may take a maximum of 3 credits in a single department.

Students taking 9 credits may take a maximum of 6 credits in a single department.

English: 187, 188, 190, 192, 199  
History: 150, 152, 154, 158, 160  
Philosophy/Religion: 101, 102, 103, 106, 110

#### **Area E: Multicultural Disciplines & Languages 6–9 credits**

Students taking 6 credits may take a maximum of 3 credits in a single department.

Students taking 9 credits may take a maximum of 6 credits in a single department.

African/African American Studies: 101, 106, 108, 118, 164  
Interdisciplinary Studies: 149  
Ethnic Studies: 114, 115  
Latin American/Caribbean/Latino Stud-

ies: 105, 120, 125, 201, 209  
 Modern Languages: 103, 104, 105, 106,  
 107, 108, 117, 118, 119, 120, 123,  
 124, 131, 132, 141, 142, 215, 216  
 Women's and Gender Studies: 100, 103,  
 108, 190, 202

**Area F: Quantitative and  
 Computer Literacy 6 credits**

Students take 6 credits from any of the following courses:

Computer Science: 115, 214, 215  
 Mathematics: 140, 165, 190, 205, 1165  
 Economics: 215, 220  
 Geography: 250, 350  
 Interdisciplinary Studies: 180  
 Physics: 103  
 Political Science: 208

**Total General Studies: 66 credits**

***Major Programs***

All students at New Jersey City University must complete a major program in order to earn a degree. This catalog and the major department should be consulted for up-to-date information regarding the requirements of and course offerings for the student's major.

Students must apply for admission to a major program at the University Advisement Center or at the major program department. Once accepted to the major, the student is assigned a faculty advisor within the major department. The faculty advisor works with the student to determine a semester-by-semester plan for completion of the student's academic program.

***Minor Programs  
 (minimum 18 credits)***

Students may elect to pursue a minor program of study within the minimum 128 credits required to graduate. See the sections "Electives and Minors" on *page 29*.

***Electives (0–26 credits)***

The total number of elective credits depends upon the program(s) selected by the student (e.g., minor, second major, or teacher certification requirements, etc.) and the student's interests. Students in some curricula may have very few or no elective credits.

***Total Degree Credits  
 (minimum 128):***

Semester hours/non-degree credits are not applicable toward the 128-credit minimum.

A minimum of 32 credits must be completed at NJCU. Courses that are repeated only count once toward the minimum credit requirement.

**ALL UNIVERSITY  
 REQUIREMENT COURSES**

**ENGL 101/102 ENGLISH COMPOSITION  
 I/II (3 CREDITS EACH)**

English Composition I, and its continuation English Composition II, introduce students to the basic communication skills of reading, writing, speaking, and listening. English Composition I prepares students to meet the requirements of writing for university course work and provides an introduction to research skills. English Composition II introduces students to writing about literature and to the research paper. Students learn to identify and to write critically about literary forms including fiction, nonfiction, narrative, poetry, and drama.

**MATH 112 INTERMEDIATE ALGEBRA (3)**

This course contains many topics usually taught in a second-year algebra course including functions and relations.

It is an advanced review of algebra designed for students who desire sufficient knowledge for Pre-Calculus and Calculus. It is a useful aid for increasing one's ability to solve problems in business, nursing, education, and science.

*Prerequisite:* MATH 098 Algebra for College or its equivalent in high school.

**FYE 1XX FIRST YEAR EXPERIENCE (3)**

First Year Experience (FYE) is a three credit course that students take in either their first or second semester at the university. In these seminars, students explore an intellectually challenging topic with other first-year students. FYE topics are based on research or other intellectual themes selected by the instructor. The emphasis in the course is on student participation with a focus on sharpening the student's critical thinking, written communication, and public speaking skills. FYE allows students to involve themselves during their first year in rigorous and intellectually challenging inquiry within an area of personal interest.

**GSC 101 CIVILIZATIONS I (3)**

Civilizations I is an interdisciplinary course that traces the development of civilizations with a global perspective from ancient times through the Middle Ages. It examines

the heritage of ideas, values, and artistic expressions that shape cultural tradition. Civilizations I explores the human experience through the synthesizing disciplines of history, philosophy, literature, and the arts. This course is designed to help students develop an awareness and understanding of the influence of the past on the present and to appreciate the achievements of the collective human experience. The course explores various cultures in order to understand human diversity as well as to understand oneself.

*Prerequisite:* ENGL 101 English Composition I

**GSC 102 CIVILIZATIONS II (3)**

Civilizations II is an interdisciplinary course that traces the development of civilizations with a global perspective from the European Renaissance through the present. It examines the heritage of ideas, values, and artistic expressions that shape cultural tradition. Civilizations II explores the human experience through the synthesizing disciplines of history, philosophy, literature, and the arts. This course is designed to help students develop an awareness and understanding of the influence of the past on the present and to appreciate the achievements of the collective human experience. The course explores various cultures in order to understand human diversity as well as to understand oneself.

*Prerequisites:* ENGL 102 English Composition II and GSC 101 Civilizations I

***Academic Foundations Program***

The Academic Foundations Program provides special assistance to students who need additional background work in mathematics, reading, and/or writing. The courses in this program carry college credits, but only those numbered 100-level or higher count toward the 128 credit hours needed for graduation.

The placement of students into specific AUR courses is based upon performance on placement tests administered by the University Advisement Center. The tests measure skills in reading, writing, computation, and elementary algebra. The placement tests are designed to help students by providing information about individual skills in language arts and mathematics. This information is used to determine if students need special help in particular areas in order to succeed in college-level work and to assist in placing students in particular courses suited

to their skills levels.

All full-time and part-time freshmen seeking a degree are required to take the placement tests, as is any student who registers for a course that would result in the accumulation of 12 or more credits and any freshman transfer student who has not taken the tests.

There is no fee for taking the test. Students are tested only after they have been admitted to the University.

## ACADEMIC FOUNDATION COURSES

### **INTD 90/105 READING AND WRITING ACROSS THE DISCIPLINES**

#### **(4 NON-DEGREE CREDITS/2 CREDITS)**

Reading and Writing Across the Disciplines (RWAD) is designed for students who enter the University in need of developmental work in reading and writing. Students whose Reading placement scores require them to take Reading for College and whose English placement scores indicate that they are not yet eligible for English Composition I are eligible to take this basic skills-building course.

### **INTD 91/106 READING AND WRITING ACROSS THE DISCIPLINES II**

#### **(2 NON-DEGREE CREDITS/2 CREDITS)**

An extension of RWAD, RWAD II is designed for students who enter the University in need of developmental work in reading and writing. Students whose placement scores indicate that they have passed RWAD I but are not yet eligible for English Composition I are required to take this basic skills-building course.

### **MATH 095 BASIC COLLEGE MATH** **(3 NON-DEGREE CREDITS)**

The course is designed to provide the student with work in basic mathematical skills and concepts that will prepare the student for entry into college mathematics courses. It develops computational skills involving operations and applications of whole numbers, integers, and rational numbers with an emphasis on use of calculators. Short introductions to the areas of algebra, geometry, statistics, and graphical interpretation are included. Selected students may have the opportunity to complete the requirements of both MATH 095 and MATH 098 in this course. This is a 3-hour, 3 non-degree credit course.

### **MATH 098 Algebra for College** **(4 NON-DEGREE CREDITS)**

This course is an introduction to algebra

that concentrates on graphic representation, problem solving, and the use and manipulation of polynomials and other algebraic expressions to model and interpret real-life situations. This is a 4-hour, 4 non-degree credit course.

### **LTED 090 READING FOR COLLEGE** **(4 NON-DEGREE CREDITS)**

This is a two-semester course; however, students have the opportunity of testing out of the second semester and moving on to the college level reading course, Reading and Study Skills.

### **LTED 101 READING AND STUDY SKILLS** **(3 CREDITS)**

This course focuses on reading improvement and on the development of academic literacy. Students learn to use textbooks with both understanding and efficiency, and receive instruction in such study strategies as note taking and test taking. Major emphasis is placed on preparing students for academic success. Both personalized and cooperative instruction techniques are employed.

### **LTED 109 LEARNING STRATEGIES** **(3 CREDITS)**

This course offers strategies for systematic study in particular academic disciplines. There is a focus on addressing the needs of the individual students enrolled in a paired core course.

### **INTD 101 ORIENTATION TO COLLEGE** **(1 CREDIT)**

Incoming students are referred to this course on the basis of their placement test performance. All incoming students with two or more skill deficiencies are required to take this course. The purpose of the course is to provide students with a highly supportive environment in which to explore their personal and career goals and to obtain specific information about various aspects of the University including but not limited to academic advisement, registration, academic and student support services, academic programs, and financial aid.

### **INTD 120 COMPUTER AS A TOOL** **(1 CREDIT)**

All students are expected to demonstrate at minimum a basic, introductory level knowledge of the computer. This course presents an overview of the capabilities of the computer and those applications with the most direct impact on the student's college experience. The course offers an introduction to word processing as an aid in writing, basic spreadsheet functions, databases and their uses, computer graphics and their use

in graphic art and business, and the use of the computer in computer tutoring and alternative learning situations.

### ***William J. Maxwell College of Arts and Sciences Honors Programs***

**Karnoutsos Hall, Rm. 605**

**201-200-3001**

Since its inception, The William J. Maxwell College of Arts and Sciences Honors Program has offered students a challenging and stimulating study of the liberal arts. Students who have graduated from the program benefited from and enjoyed the interdisciplinary and challenging approach to learning that is the hallmark of the program.

As a reflection of its commitment to the Honors Program and its excellence, the College is temporarily suspending the program to assess the program and revise its curriculum. The College is fully devoted to offering our students the most challenging and relevant programs possible. During this hiatus, the College will create an Honors Program that is contemporary and relevant, and which retains its excellence and unique character. While under revision, the University will maintain its membership with the Northeast Regional and National Collegiate Honors Council.

The College anticipates the reintroduction of the Honors Program in the Fall 2012 semester. If you have any questions or would like more information, please contact the William J. Maxwell College of Arts and Sciences, Karnoutsos Hall, Rm. 605, or call 201-200-3001.



# ACADEMIC PROGRAM PLANNING

## Undergraduate Curriculum Planning

A student may elect to complete a degree program on a full-time or part-time basis. Many majors require early identification and planning in order that students may complete the proper sequence of courses in a timely fashion. It is important, therefore, that a student consult with the major program department at the beginning of his/her college career.

Most full-time students who begin their studies at New Jersey City University will select four or five courses (15–16 credits) each fall and spring semester. Generally, a student pursuing a degree on a part-time basis will enroll in two or three courses per semester. Usually, the freshman and sophomore years are made up of All University Requirement (AUR) courses, General Studies Program area electives, and introductory courses in the major program. In consultation with their major advisor, students regularly plan their academic progression each year. The junior and senior years are typically more focused on the major field of interest. Opportunities for students to engage in fieldwork in the major and to explore a minor program are typically afforded in the junior and senior years.

By continuous registration for courses in the fall semester, spring semester, and summer sessions, students may shorten the time necessary for completion of a degree. A part-time student who wishes to register for twelve or more semester hours must first make a change in enrollment status. Information about change of enrollment can be found in the section on “Change of Enrollment Status” on [page 35](#).

A student admitted as a “transfer” from another institution for full-time or part-time degree study will follow the same pattern of study as students who are completing their total undergraduate program at New Jersey City University. A transfer student should consult with the major program department at outset of his/her studies at New Jersey City University. Further information about transfer credit can be found in the section on “Advanced Standing” on the next page.

## Major Requirements

Each student must complete a major program of at least 36 credits, as determined by the department administering the program.

Students should consult with the chairperson of that program and read the specific requirements that are published in this catalog and in written in documents distributed by the department administering the major. Students seeking a second major in early childhood, elementary or secondary education must select a first major from the William J. Maxwell College of Arts and Sciences.

## Application for Admission to a Major Program

Each student must apply for admission to a major by filing an Undergraduate Declaration of Program of Study form at the University Advisement Center or with the major program department.

Certain majors require completion of pre-major courses and/or a minimum cumulative grade point average (CGPA) before application. Prospective music majors must audition in person before Music Department faculty. Depending on the pre-major requirements, students may need to apply for admission into their major during their first year. Students should apply for acceptance to a major program at the earliest time permitted. Specific information on individual program requirements is available from each department.

A minimum CGPA of 2.0 is required for admission to most majors. Some departments require a minimum CGPA as high as 2.75 for admission to their majors (e.g., teacher certification programs). A department may refuse to accept a student into its program if the student’s work in general studies courses is below a “C.” Students can receive up-to-date acceptance requirements from the major department.

A veteran and any dependent of a veteran receiving VA educational benefits must apply for acceptance into a major upon the completion of 32 credits, provided he/she has achieved an acceptable CGPA.

**Note:** Acceptance into a major is conditional and contingent upon satisfactory progress within the major. Each student must complete a major of at least 36 credits, as determined by the department administering the program.

## Change of Major

A student may change his/her major by filing the Application to Change of Major Program of Study at the University

Advisement Center or with the new major program department.

## Co-Major

### ELIGIBILITY

An undergraduate degree student enrolled at New Jersey City University may pursue two major programs by applying for a co-major after earning 36 semester hours of credit at the University and achieving a minimum CGPA of 2.5, and completing courses in each of the two major fields. Admission to the co-major is subject to the approval of the respective departments, appropriate Dean(s), and the University Advisement Center.

### APPLICATION

Application for a co-major is made by filing the Undergraduate Declaration of Program of Study form at the University Advisement Center or major program department, which reviews and forwards it to the appropriate Dean(s).

### GRADUATION

1. Both major program departments must endorse the candidate as having met the requirements for graduation from their respective programs;
2. When the above requirement is met, the co-major will be so designated and added to the student’s transcript.

## Electives and Minor Programs

The general curricular plan affords the student a maximum of opportunity to design an individual degree plan that meets his or her general interests and career goals.

A student may use elective courses to strengthen his/her program and achieve higher individual educational goals. He/she may:

1. Take up to 54 credits in additional courses in a major field, with the exception of certain tracks or specializations in art and music;
2. Pursue in-depth study in a sequence of courses leading to a second major. See the above section, “Co-Major”;
3. Build a competence in an academic field other than his/her major by taking a sequence of courses (18 to 24 credit hours), majoring a different academic department, leading to an academic minor; or
4. Complete miscellaneous elective credits.

*Note:* A student enrolled in the elementary education or the early childhood education teacher certification program is reminded that he/she must complete specific requirements appropriate to his/her first major.

### ***Application for Admission to Minor Program of Study***

Students wishing to pursue a minor should apply for admission to the minor by filing the Undergraduate Declaration of Minor form at the University Advisement Center or in the minor program department.

### ***Degree Requirements***

To be eligible for graduation from New Jersey City University with the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, Bachelor of Music, or Bachelor of Science in Nursing, a student must fulfill the following requirements:

1. Completion of a minimum of 128 credits of baccalaureate study at the 100-level or higher;
2. Attainment of a minimum CGPA 2.0 (i.e., "C" average);
3. Completion of a minimum of 32 credits at New Jersey City University;
4. Completion of a course of study leading to the bachelor's degree, which includes:
  - A. The University's General Studies Program requirements, currently eighteen credits of the All-University Requirement (AUR) courses and up to forty-eight credits of General Studies Program area electives, in accordance with the six area requirements;
  - B. At least 36 credits in an approved major, as outlined in the catalog by the department offering the major, and achieve of a CGPA of 2.0 or higher in the major;
  - C. A recommendation for graduation by the faculty of the University.

*Note:* Academic Foundations Courses—Students admitted to New Jersey City University who require coursework to prepare them for college-level courses in English, Reading, and/or Mathematics are required to take certain Academic Foundations courses numbered below 100. Some of these Academic Foundations courses also have credit-bearing components. The credits earned in those components are counted toward the 128 credits required for graduation with a bachelor's degree, and those credits and the grades earned in those components are included in the calculation

of the cumulative grade point average.

### ***Second Major after Graduation***

A graduate of New Jersey City University or another higher education institution accredited by an American accrediting agency may register for additional undergraduate study to pursue an additional, approved undergraduate major. The student must be formally admitted to the University and approved for the major by the Academic Advisement Office and the respective department. The requirements for completion of each major are specified by the individual departments, and the student must maintain a minimum CGPA of 2.0.

Satisfactory completion of the additional major is noted on the student's permanent record, based on endorsement by the major department.

### ***Second Baccalaureate Degree***

#### **ADMISSION TO DEGREE PROGRAM**

A candidate with a bachelor's degree from a college recognized by an American accrediting agency may apply for admission to New Jersey City University for a second baccalaureate degree.

#### **DEGREE REQUIREMENTS**

A second baccalaureate degree may be earned by meeting all of the following requirements:

1. A minimum of 36 credits in residence toward the new degree (32 credits if the first bachelor's degree is from New Jersey City University); *Note:* Individual departments and special programs, such as Nursing, Business Administration, and others, may require more credits.
2. Completion of an approved major program, as determined and evaluated by the major program department. Credits earned at each institution previously attended are evaluated for applicability to the new degree by the department chairperson;
3. AUR and General Studies Program Requirements:
  - a. For a graduate of New Jersey City University or another institution recognized by American accrediting agencies, the record(s) is accepted as having satisfied New Jersey City University AUR and General Studies Program area requirements;
  - b. For a graduate of a foreign or a non-accredited American institution, the

record is evaluated by appropriate evaluating agencies, including departmental evaluations, on a course-by-course basis for applicability to the degree. The Transfer Evaluator in the University Advisement Center determines the accreditation status of the institution(s) previously attended and the appropriate evaluating agencies and procedures.

A graduate of a foreign or non-accredited American higher education institution who has not completed courses that satisfy the AUR and General Studies Program area requirements, as evaluated by the University Advisement Center and/or appropriate department(s), is required to complete this work to receive a second baccalaureate degree;

4. Completion of a minimum of 128 credits, including total credits transferred from the institution(s) attended;
5. Attainment of a final CGPA of 2.0.

### ***Graduation and Certification Applications***

A senior eligible for graduation/certification must complete the Intent to Graduate card and the Application for Graduation form (and, if applicable, the Application for Certification form) at the Registrar's Office, Hepburn Hall, Rm. 214, on or before the following dates:

1. December 15 for a student expecting to complete all requirements by the end of the spring semester;
2. June 15 for a student expecting to complete all requirements by the end of either summer session I or II;
3. September 30 for a student expecting to complete all requirements by the end of the fall semester.

Students who are denied graduation clearance in a Spring semester because of 6 or fewer missing credits are eligible to participate in Commencement proceedings upon registering for adequate summer-session courses to complete their program requirements.

### ***Advanced Standing for Transfer Credit or Credit by Examination***

A student entering New Jersey City University may be granted advanced standing on the basis of either credit for study at

another accredited institution or credit by examination. Transfer credits from another accredited institution validated by a complete, official transcript(s) and carrying the letter grade "C" or higher are applied to the General Studies Program requirements and area electives. Courses must be equivalent to those offered at New Jersey City University and applicable to the student's degree program. Remedial and basic skills courses are not awarded transfer credit. Generally, transfer students are expected to complete the requirements within their major program at New Jersey City University. An academic department or an interdepartmental committee offering a major in a degree program, upon the recommendation of a student's advisor, may approve the application of some transfer credits to the requirements of the major.

The Transfer Counselor(s) in the University Advisement Center evaluates transcripts submitted by entering students and determines whether transfer credits will be granted and applied toward General Studies Program requirements and area electives. A written evaluation is sent to the student and the major program department.

Graduates of A.A. or A.S. degree programs at accredited two-year and four-year colleges in the State of New Jersey who earned a cumulative grade point average of at least a 2.0 (on a scale of 4.0), can transfer a block of credits, up to a maximum of 66 credits, to New Jersey City University, thereby satisfying the University's General Studies Program requirements.

### Types of Credit by Examination

Students interested in earning credit by examination should contact the University Advisement Center, Vodra Hall, Rm. 101, for more details.

### **ADVANCED PLACEMENT EXAMINATION**

College-level courses completed in high school and classified as Advance Placement courses may be evaluated through special subject examinations administered by the College Entrance Examination Board. New Jersey City University grants college credits in relevant courses or areas of study to students who earn grades of three or higher on Advanced Placement Examinations.

### **COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)**

New Jersey City University grants college

credits for scores on the CLEP Examinations at or above the 50th percentile. For CLEP credits presented after a student's enrollment at New Jersey City University, the following rules apply:

1. Credits earned two semesters or more prior to the student's graduation must be presented for evaluation no later than seven months prior to the graduation;
2. Credits earned the semester prior to the semester of the student's graduation must be presented for evaluation within four weeks of the availability of the grades and scores to the student;
3. In cases where credits earned during the semester in which the student plans to graduate are not available for evaluation in time for that semester's graduation, granting of the diploma will be delayed until the credits are evaluated.

### **NEW YORK UNIVERSITY PROFICIENCY TEST AND FOREIGN LANGUAGES EXAMINATIONS (NYU)**

The Transfer Evaluator in the University Advisement Center evaluates scores from New York University examinations submitted by new and continuing students at the University. Students should have official copies of the NYU scores sent to the University Advisement Center, Vodra Hall, Rm. 101. A written evaluation will be issued to the student by the Center. All students seeking credit for NYU examinations should consult the Center or their major academic advisor before registering for the examination in order to avoid duplication of credit for courses at New Jersey City University or transfer credit already granted.

### **DEPARTMENTAL EXAMINATIONS**

At the option of a department, and with prior approval of the appropriate Dean, students may be granted advanced standing and college credits on the basis of examinations created or selected and administered by the department concerned. Upon completion of these examinations, the chairperson of the department administering the examination recommends the specific course(s) to be waived and the amount of credit to be granted.

### **UNITED STATES ARMED FORCES INSTITUTE (USAFI) TESTS**

Credits may be granted for the successful completion of USAFI courses validated by subject standardized test scores showing a

rating in the 50th percentile or above. For transcripts, students write to:

Prometric  
ATTN: DSST/CLEP Transcripts  
1260 Energy Lane  
St. Paul, MN 55108  
Toll Free 877-471-9860  
Phone 651-603-3012

Completed forms can be forwarded to the mailing address above, faxed to 651-603-3008, or scanned and emailed to PNJ-DANTES@prometric.com. The order form can be obtained at [http://www.collegeboard.com/prod\\_downloads/student/testing/clep/clep-military-transcript-order-form.pdf](http://www.collegeboard.com/prod_downloads/student/testing/clep/clep-military-transcript-order-form.pdf)

### **Associate in Arts (A.A.) and Associate in Science (A.S.) Degrees**

Graduates of A.A. or A.S. degree programs at accredited two-year and four-year colleges in the State of New Jersey who earned a cumulative grade point average of at least a 2.0 on a scale of 4.0, can transfer a block of credits, up to a maximum of 66, to New Jersey City University, thereby satisfying the University's General Studies Program. Students entering New Jersey City University with suitable A.A. or A.S. degrees are considered to be Juniors upon enrolling for classes.

### **Associate in Applied Science (A.A.S.) Degree**

Programs leading to the Associate in Applied Science (A.A.S.) degree are generally classified as terminal, vocational programs. The transcripts of students transferring to New Jersey City University with A.A.S. degrees from accredited two-year and four-year colleges are evaluated on a course-by-course basis, with transfer-credit awarded only for those courses with directly equivalent courses offered at New Jersey City University. A maximum of 66 credits may be applied to New Jersey City University degree requirements, assuming a minimum grade of "C" for all such accepted credits. Graduates of A.A.S. degree programs at accredited two-year and four-year colleges in the State of New Jersey must complete New Jersey City University's General Studies Program and are not granted transfer of a block of credits that satisfies the University's General Studies Program requirements.

### **Summer Study**

The University offers a broad range of

courses as well as special opportunities for study through workshops, conferences, and travel in the summer months. Two or more summer sessions are offered each year, as are online course offerings that span the entire summer. Students wishing to register for more than six credits and/or semester hours per summer session must obtain permission from their department chairpersons and the Deans of their colleges.

### ***Courses at Other Institutions***

New Jersey City University students wishing to take courses at other institutions must first obtain permission, in the form of a signed waiver, prior to taking the desired courses. Waiver forms are available at the University Advisement Center, Vodra Hall, Rm. 101. Waivers for courses under way or previously taken at other institutions will not be granted. Waivers are not granted for courses equivalent to courses simultaneously offered at New Jersey City University.

Students wishing to substitute a course from another institution for a General Studies Program requirement or elective must submit Application for Waiver of General Studies Requirement forms for evaluation and approval to their advisors and the Dean of William J. Maxwell College of Arts and Sciences. Students must then bring the signed waiver forms to the Transfer Resource Center, University Advisement Center, Vodra Hall, Rm. 101. Waivers for courses under way or previously taken at other institutions will not be granted. Waivers are not granted for courses equivalent to courses simultaneously offered at New Jersey City University.

Students wishing to substitute courses from other institutions for requirements or electives in their major programs must submit Waiver of Major Requirement forms for evaluation and approval to their advisors and major department chairpersons to the Transfer Resource Center, University Advisement Center, Vodra Hall, Rm. 101. Waivers for courses under way or previously taken at other institutions will not be granted. Waivers are not granted for courses equivalent to courses simultaneously offered at New Jersey City University.

In all cases, students will receive transfer credit for courses taken at other institutions in which they earn grades of "C" (2.0) or better.

Students matriculated at New Jersey City University cannot receive financial aid as visiting students at other schools. However,

students should check with the financial aid office of the schools they are visiting to determine whether there exist consortium agreements with New Jersey City University, for purposes of enrollment there. Such agreements must be reviewed and processed by the financial aid offices at each school. Supporting statements indicating that the course(s) will be credited toward a student's degree requirements must also be submitted.

### ***Course Waivers***

Students wishing to substitute non-General Studies Program courses for General Studies Program requirements or electives must submit Application for Waiver of General Studies Requirement forms for evaluation and approval to their advisors and the Dean of William J. Maxwell College of Arts and Sciences. Students must then bring the signed waiver forms to the Transfer Resource Center, University Advisement Center, Vodra Hall, Rm. 101.

Students wishing to substitute New Jersey City University courses for requirements or electives in their major programs must submit a Waiver of Major Requirement forms for evaluation and approval to their advisors and major department chairperson. Students must then bring the signed waiver forms to the Transfer Resource Center, University Advisement Center, Vodra Hall, Rm. 101.

### ***Graduate Courses Open To Undergraduate Students***

Senior-year undergraduates are eligible for admission to 500-level courses, unless they cannot satisfy the special requirements for that course (see course descriptions within the current New Jersey City University Graduate Catalog). Such special requirements include, but are not limited to, completion of prerequisite courses, corequisites, attainment of minimum grades in certain courses or programs, and permission of the instructor.

Credits for undergraduate students in 500-level courses are applied in the following way:

1. Undergraduate credit: All credits for 500-level courses satisfactorily completed by an undergraduate student may be counted toward the 128 semester-hour requirements of a curriculum leading to a bachelor's degree;
2. Graduate credit: Excess credits earned

beyond the 128 required for undergraduate degrees, earned with grades of "B" or better by undergraduate students in 500-level courses, may be considered for advanced standing (graduate credit) for students matriculated in graduate programs at New Jersey City University no later than seven years after receiving credits for these courses;

3. Graduate students may apply no more than nine credits of 500-level courses toward the fulfillment of master's degree program requirements.

### ***Residency Requirement***

All students, including those granted advanced standing due to credits transferred from other institutions or granted credits by examination must complete a minimum of 32 credits at New Jersey City University.

### ***Pre-Professional Preparation***

New Jersey City University offers its students considerable flexibility in developing degree plans that meet their individual needs and interests. Students may elect a plan that will prepare them for advanced graduate work in one of the academic disciplines, or for entrance into dental, medical, law, or other professional school. An individual may choose to combine his or her liberal arts major with a block of professional work that will prepare that student for opportunities in such careers as teaching, business, or public service.

Students interested in careers in any profession should contact the Academic Career Planning and Placement Office in Vodra Hall for information about their fields of interest and their academic and skill requirements.

Men and women who are well educated in the natural sciences, the social sciences, and the humanities, find places in the medical professions. Although no specific field of concentration or prescribed program will assure a student admission to schools of the health professions, the ability to perform scientific work of significant rigor is of particular importance. The soundest preparation for medical school, dental school, or other professional school includes early completion of basic and advanced course sequences in biology, chemistry, mathematics, and physics. Students interested in planning a program to prepare for such a career should contact the chair of the Biology Department immediately upon enrolling at New Jersey City University.

Most law schools do not require any specific field of concentration. However, it is strongly advised that students interested in law school consider the Pre-Law minor program. Students should familiarize themselves with the entrance requirements of schools to which they intend to apply and should consult with the Pre-Law Advisor in the Political Science Department to plan a program appropriate for admission to law school.

Students interested in teaching in secondary schools should consult with the chairperson of the Elementary and Secondary Education Department immediately upon enrolling at New Jersey City University. Not all liberal arts disciplines are taught as separate subjects in secondary schools. Within the undergraduate offerings, certain courses are especially appropriate for the beginning secondary-school teacher. It is recommended that students select their courses in consultation with the chairperson of the Elementary and Secondary Education Department as well as the chairperson of their intended major program departments. A properly planned academic program will enable students to make the most effective use of their two field internship experiences, which occur during the junior and senior years. Students interested in teaching art or music should consult with the respective department chairperson.

## UNIVERSITY ADVISEMENT CENTER

**Vodra Hall, Rm. 101  
201-200-3300, 3422**

**Mr. John Duff, Director  
jduff@njcu.edu**

The University Advise ment Center provides information and support to assist undergraduate students to complete their general studies requirements, gain entry into an academic major, and successfully complete their undergraduate degree.

### Academic Advisement

Academic Advisement is the central resource for advising undergraduate students who have not yet declared their major academic programs of study. Students are assigned academic advisors until they are accepted into major programs, at which time they are assigned to faculty advisors.

The Academic Planning Sheet is used to prepare for the advisement session with an academic advisor. It outlines the requirements for a degree and is issued to each freshman and transfer student at the time of the student's initial advisement. The Academic Planning Sheet serves as a guide to satisfying degree requirements and for planning the student's course load each semester. It is the student's responsibility to keep this sheet updated on a semester basis. Students can also use the Degree Progress Report on GothicNet as a guide to monitor their academic progress.

Academic Advisement also processes applications for admission to major programs and changes of major programs. Whether or not a student has indicated a probable major on the admissions application, each student must apply for admission to a major program of study by filling out the Declaration of Program of Study Form at the University Advise ment Center.

### Testing Services

The University Advise ment Center is also responsible for coordinating the Freshman Placement Testing Program. Once students have matriculated (deposit paid), they receive an invitation letter to take the Placement Test.

Students who must take that the Placement Test:

1. Full-time and part-time incoming freshmen;

2. Students who have not already taken the test, but who choose to register for a course that would result in the accumulation of 12 or more credits;
3. Full-time and part-time transfer students who have not received transfer credit for college-level composition and mathematics.

The placement test assesses a student's skill level in English (Writing and Reading) and Mathematics (Computation and Algebra); determining which courses the student will take during their first semester at New Jersey City University. Test scores are furnished to students and appropriate faculty and staff. The results are used to assist in the enrollment placement process for each individual student.

**Note:** New students who do not have to take the placement test include:

1. Students who have already taken the Placement Test within the last three years:
  - A. At New Jersey City University: Students' scores are kept in the University's database;
  - B. At another NJ College: Contact the other college and arrange to have your test scores transferred to New Jersey City University. The University Advise ment Center must receive your scores before you can be advised;
2. Unclassified or non-degree seeking students do not have to take this test until they are classified as degree seeking students;
3. Transfer and readmitted students with 30 or more credits who have earned grades of "C" or better in college level English and Mathematics courses are not required to take the test;
4. International students must contact the International Students Coordinator at (201) 200-2089;
5. Students taking English as a Second Language courses must contact the ESL Testing Specialist at (201) 200-2174.
6. Nursing/BSN students are not required to take this test.
7. Students who already hold a bachelor's degree are not required to take the test.

### Transfer Resource Center

The Transfer Resource Center (TRC) is a place for students who transfer credit to inquire about and receive referrals to the

academic and support services provided on and off-campus. The TRC provides the following services:

- Transfer Credit Evaluation
- Academic Advisement
- Transfer Mentor Program

The TRC evaluates transfer credits for undergraduate students. Transfer credits from regionally accredited institutions in the United States, validated by complete official transcripts and carrying a grade of “C” or higher, will be appropriately applied toward General Studies Program requirements, degree program requirements, and electives. Courses transferred must be equivalent to courses offered at New Jersey City University and applicable to the student’s program. Remedial and basic skills courses are not awarded transfer credit. Students who completed A.A. or A.S. degrees at colleges or universities in the State of New Jersey are waived from General Studies Program requirements.

For additional information, contact the Transfer Evaluator at 201-200-3395.

### Veterans Affairs

The Coordinator of Veterans Affairs is located in the University Advisement Center. She assists veterans and eligible dependents of veterans with:

- Certification of veterans to the Veterans Administration for education benefits
- Processing of Veterans Tuition Credit Program forms (VTCP) for students eligible to receive such grants from the State of New Jersey
- Processing of tuition credit waivers for members of the New Jersey National Guard

Academic advisement and approval of proposed schedules during advisement/registration periods are provided by the major advisor or academic advisor. Veterans should schedule appointments with the Coordinator of Veterans Affairs each semester to discuss their benefits and academic status.

**Note:** Veterans/eligible dependents who elect grade recomputation must comply with the Grade Recomputation Policy on [page 27](#).

For additional information on the above policies or Veterans Affairs, please contact the Coordinator of Veterans Affairs in the University Advisement Center, Vodra Hall, Rm. 101, or call 201-200-2157.

## ACADEMIC REGULATIONS

### Registration

All currently enrolled students plan their programs in March and October for the following fall and spring semesters, respectively. Entering students do the same in May, June, July, and August and also in November, December, and January. Summer session registration is concurrent with registration for fall semesters. All tuition, fees and previous debts must be paid by the published due dates, otherwise late fees will be charged thereafter. Where payment is to be provided by scholarship or other financial aid plan, students should make prior arrangements and submit appropriate documents to the Bursar Office before the payment deadline each semester.

### Dropping and Adding Classes

Students may add and drop classes during the designated Add/Drop period for each semester or Summer session. The last date for adding and dropping classes for each term is listed in the Master Course List (MCL) published by the Registrar and available online at <http://www.njcu.edu/academics>. Separate dates may be established for classes that do not follow the normal start/end schedule. Students who drop courses during the designated Add/Drop period will receive full (100%) refunds for those courses. Students with Financial Aid should be cautioned that dropping courses may affect their eligibility status and Financial Aid award amounts. Furthermore, students are not allowed to drop Academic Foundations courses, All-University Requirement courses, and certain other courses, such as those with corequisites, unless special permission is granted.

Students may add and drop classes via GothicNet, or in person by submitting an Add/Drop form to the Registrar’s Office, Hepburn Hall 214. The Add/Drop form is available at the Registrar’s Office, and at <http://web.njcu.edu/dept/registrar/Content/forms.asp>.

Students are strongly cautioned against dropping classes indiscriminately, as doing so may affect eligibility for Financial Aid and scholarships, registration in other courses, full-time status, and overall degree progress.

**Note:** Non-attendance does not constitute dropping a class. Students who never attend or stop attending class meetings will not be removed from class rosters. Furthermore,

students who never attend or stop attending classes will be held responsible for their financial obligations to the University and will not be issued refunds. A student who does not officially drop or withdraw from a class by following the procedures described above, in the MCL, and elsewhere will be issued an “F” as a final grade. Delinquent withdrawal requests will not be honored and “F” grades resulting from failure to drop or withdraw from courses shall be considered final.

### Withdrawing from Classes

Students may withdraw from courses, earning grades of “W” in those courses, beginning the day after the designated Add/Drop period for each semester or Summer session through the last date for withdrawing from classes for each term, which is listed in the MCL and available online at <http://www.njcu.edu/academics>. The deadline dates for withdrawing from courses are November 15 for each Fall Semester; April 15 for each Spring Semester; and mid-point of Winter and Summer Sessions. Separate dates may be established for classes that do not follow the normal start/end schedule. Students who withdraw from courses prior to these dates will receive 50% refunds for those courses.

Students cannot withdraw from courses via GothicNet, and must do so in person by submitting a Request to Withdraw form to the Registrar’s Office, Hepburn Hall 214. The Request to Withdraw form is available at the Registrar’s Office, and at <http://web.njcu.edu/dept/registrar/Content/forms.asp>.

Students are strongly cautioned against withdrawing from classes indiscriminately, as doing so may affect eligibility for Financial Aid and scholarships, registration in other courses, full-time status, and overall degree progress.

**Note:** Non-attendance does not constitute withdrawing from a class. Students who never attend or stop attending class meetings will not be removed from class rosters. Furthermore, students who never attend or stop attending classes will be held responsible for their financial obligations to the University and will not be issued refunds. A student who does not officially drop or withdraw from a class by following the procedures described above, in the MCL, and elsewhere will be issued an “F” as a final grade. Delinquent withdrawal requests will

not be honored and “F” grades resulting from failure to drop or withdraw from courses shall be considered final.

### ***Course Load and Overload Options***

Each full-time undergraduate student must register for a minimum of twelve (12) credits each regular semester. This is the course load required of full-time undergraduates.

Overload is defined as registering for more than twelve (12) credits for a regular semester, as a full-time undergraduate. There are restrictions on when and how a full-time undergraduate may register for an overload:

1. Full-time undergraduates on academic probation may register for a maximum of thirteen (13) credits and/or semester hours for the semester(s) they are on probation.
2. A full-time undergraduate who has not completed, with passing grades, all the courses below the 100 level he/she is required to take, may register for a maximum of sixteen (16) credits.
3. Only full-time undergraduates, who have passed the All University Requirement courses and all courses below the 100 level which may have been required, are eligible to register for more than sixteen (16) credits, according to the following standards:

#### **CGPA\***

Overload Permitted for a Regular Semester

#### **BETWEEN 2.5 AND 3.5**

Maximum of 19 credits, with permission of the dean\*\*

#### **ABOVE 3.5**

Maximum of 22 credits, with permission of the dean\*\*

\* Cumulative Grade Point Average (See **page 36.**)

\*\* With permission of the dean of the college in which the student has been accepted into a major program, or for students not yet accepted into a major, by the Dean of the William J. Maxwell College of Arts and Sciences

4. A maximum of six (6) credits and/or semester hours is allowed per summer session. No overload is allowed during summer sessions.

### ***Change of Enrollment Status***

A currently enrolled, degree-seeking, part-time student who wishes to change to full-time enrollment status the next semester is eligible to do so once he/she:

1. completed a minimum of twelve (12) college level credits at New Jersey City University;
2. achieved a minimum CGPA of 2.0;
3. filed a Change of Enrollment for Continuing Students Form at the University Advisement Center, Vodra Hall, Rm. 101.

A currently enrolled non-degree-seeking, part-time student who wishes to change to degree-seeking status for the following semester is eligible to do so once he/she has:

1. completed a minimum of twelve (12) college-level credits at New Jersey City University;
2. achieved a minimum CGPA of 2.0;
3. filed a Change of Enrollment for Continuing Students Form at the University Advisement Center, Vodra Hall, Rm. 101;
4. taken the University's basic skills test. Arrangements for the test may be made at the same office.

### ***Time Limits on Credits and Degree Completion***

Individual departments may limit the application of certain coursework and transfer credits toward degree requirements, based on the number of years that have passed since the courses and credits were earned. For instance, many departments do not apply coursework or accept transfer credits that are more than ten years old toward their degree requirements. In certain cases, New Jersey state regulations or accreditation guidelines may impose similar limitations. Students may request waivers of the time limitations on the application and transfer of credits toward degree requirements from their major departments. Limitations established by the State of New Jersey or by accrediting agencies are not subject to being waived. Students should consult with their major program departments to determine if any of their coursework or transfer credits are subject to time limitations for application toward their degree requirements.

Similarly, academic major departments may impose limits on the number of years students may take in completing their

degree programs, with ten years often being the adopted guideline. Students should consult with their major program departments to determine if they are subject to limitations on the amount of time they are allowed to complete their degree programs.

### ***Minimum Grade Point Average in Major***

In addition to a minimum CGPA of 2.0 for all course work attempted at this institution, students must achieve at least a 2.0 CGPA in their major programs of study to qualify for graduation.

### ***Voluntary Pass/Fail Options***

A student has the option of requesting a final grade of Pass or Fail (Pass/Fail) instead of a letter grade in an elective, General Studies Program elective, or academic minor course, according to the following guidelines:

1. The Pass/Fail option is limited to nine (9) total credits;
2. No more than one (1) course per semester may be elected under this option;
3. Pass/Fail evaluation is interpreted to mean a grade of “Pass” for satisfactory completion of course requirements and a grade of “Fail” for an unsatisfactory completion of course requirements. When the “Pass” grade is given, the credits assigned to the course are indicated as earned, but the student's CGPA remains unaffected. A “Fail” grade negatively affects the CGPA.

An elective is interpreted to mean any course outside the major not specifically required in the student's program. At the discretion of a department, certain courses within its major field can be designated “Pass/Fail.”

The Pass/Fail option may be designated by the student only during the first five days of class following the add/drop period in a regular semester, and the first four days of classes following the add/drop period of each summer session. Each student must submit, to the Registrar's Office, a completed Pass/Fail form designating his/her choice of Pass/Fail evaluation. One copy of this form remains with the Registrar's Office and one is given to the student. The Pass/Fail option is not available for All University Requirement courses. A student's election of a Pass/Fail grade may not be changed after the form is filed in the Registrar's Office.

### Independent Study

Independent Study courses consist of projects that are problem-centered and action-research oriented and may be undertaken on a variable-credit basis. Undergraduates are limited to a maximum six credits of Independent Study courses as part of their four-year degree programs.

### Class Status

For purposes of general operations of the University:

**Freshman:** 0–32 credits\* completed  
**Sophomore:** 33–64 credits\* completed  
**Junior:** 65–96 credits\* completed  
**Senior:** 97+ credits\* completed

\*Credits for courses numbered 100 or higher.

### Grading System

The standing of each student at the completion of each course is determined by the instructor and recorded at the end of each semester. The following grades and values are used:

A (4.0)  
 A- (3.7)  
 B+ (3.3)  
 B (3.0)  
 B- (2.7)  
 C+ (2.3)  
 C (2.0)  
 C- (1.7)  
 D (1.0)  
 P (Pass)  
 F (0.0)  
 W (Withdrawal)  
 IN (Incomplete)  
 R (Repeat—Academic Foundations Course only)

The grades and credits (or semester hours) related to W (Withdrawal), P (Pass) and R (Repeat—Academic Foundations courses) do not affect the CGPA.

### Cumulative Grade Point Average

The numbers in parentheses (above), represent index values used to compute grade point averages. The number of credits assigned to each course multiplied by the grade index earned gives the number of grade points earned for that course. The sum total of grade points earned, when divided by total credits attempted, constitutes the student's grade point average.

### *Example:*

A student enrolled in five three-credit courses, earned an A, three Bs, and a C. The grade point average is determined as follows:

A—4.0 x 3 hours 12.0  
 B—3.0 x 3 hours 9.0  
 B—3.0 x 3 hours 9.0  
 B—3.0 x 3 hours 9.0  
 C—2.0 x 3 hours 6.0  
 15 hours 45.0 points

Dividing 45.0 by 15 credits, the grade point average is 3.0.

The Cumulative Grade Point Average (CGPA) average reflects all grades earned for all semesters. It is determined by dividing the sum total of all grade points by the sum total of all credit hours attempted.

### *Notes:*

- The grades "W", "P" and "R" do not affect the grade point average. However, an excessive number of "W" grades can adversely affect a student's academic standing and/or eligibility for types of financial aid.
- "IN" (Incomplete) Grade: This grade, used only in extraordinary circumstances, grants a student further time to complete required course work. The final deadline date for the revision of an "IN" is six weeks after the beginning of the subsequent semester, e.g.:
  - "IN" grade for the fall semester must be satisfied by the sixth week of the following spring semester.
  - "IN" grade for the spring semester or the summer sessions must be satisfied by the sixth week of the following fall semester.
  - "IN" grades that are not resolved by the deadline date are automatically converted to "F" grades.
- "W" (official withdrawal) Grade: This option is available between the time add/drop ends and the deadline dates identified below. Academic Foundations courses cannot be dropped or withdrawn from without the approval of the Office of the Dean of the William J. Maxwell College of Arts and Sciences. A student who has earned thirty (30) credits or more cannot drop or withdraw from an All University Requirements course, except in exchange for a different section of the same course

or with the approval of the Office of the Dean of William J. Maxwell College of Arts and Sciences.

This grade is only applicable to the student who officially withdraws from a course by filing a completed withdrawal form with the Office of the Registrar. The deadline dates for filing are November 15 for the fall semester and April 15 for the spring semester. The mid-semester points for summer sessions are the deadline dates for these sessions. For all officially withdrawn students, the instructor's final grade roster will have the grade "W" imprinted in the grade column next to the student's name.

A student who does not complete course work and does not officially withdraw will receive the grade of "F." In extraordinary circumstances, such as hospitalization or an accident or illness, a student may submit a written request to the appropriate academic dean for an official withdrawal after the deadline date. Such requests must be accompanied by appropriate documentation of the time and nature of the circumstances. Decisions of the academic dean on these requests are final. Timely withdrawals may be eligible for a reduction in charges. For a reduction, students are required to file an official form with the Registrar. A partial reduction in charges is available only to students who officially withdraw from courses within the first third of the semester or summer session. Deadlines for withdrawals are listed in the Master Course list.

4. "R" Grade: This grade will only be used in Academic Foundations Courses. The grade is given to a student who demonstrates progress in the course but not sufficient progress to warrant a passing grade. The student who receives an "R" grade must either repeat the course or demonstrate sufficient progress to participate at the next level of coursework. Students are allowed to receive one "R" grade per course. When the course is repeated, an "F" grade results in dismissal from the University. Letter grades ("A" through "D") issued in Academic Foundation courses (courses with catalog number less than 100) are not included in calculations of CGPAs.

5. Change of Grade: A grade change must be submitted to the Registrar's Office prior to posting of the degree. A grade change will not be approved once the degree is posted.



6. **Grade Access:** Grades will be posted to the transcript file approximately three weeks after the last day of each semester. Grades can be accessed online through GothicNet.

### ***Repeated Courses***

A student must repeat a course he/she has failed if the specific course is required for graduation. When a course is repeated, both the original course and grade and the subsequent course and grade are reflected on the transcript, but the credits are counted only once toward the degree requirements. Students may elect to exclude the lower grade of a repeated course from the computation of their CGPA by filing a Grade Recomputation form in the Registrar's Office. Read Grade Recomputation Policy below.

### ***Grade Recomputation***

A student can repeat a course and elect once to have the lower grade received for that course excluded from the grade point average. The following conditions apply:

1. All grades will remain on the official transcript. An explanation of this policy appears on the transcript;
2. The election of grade recomputation is not automatic. A student who fails to file the proper form will have all grades included in the CGPA;
3. Credit for courses repeated is applicable only once toward the degree;
4. Any course may be repeated, subject to department policies restricting students from repeating an elementary course, once a more advanced course has been completed. No substitutions are allowed;
5. If a student officially withdraws from a course in which the grade computation option is made, the option becomes void.
6. A student may elect grade recomputation of a maximum of 16 credits;
5. A student electing grade recomputation must file a grade recomputation form with the Registrar, Hepburn Hall, Rm. 214;
7. This policy is not retroactive. Courses repeated prior to the effective date of this policy are not eligible for grade recomputation;
8. This policy does not apply to students who have graduated.

***PLEASE NOTE:*** Veterans Administration education benefits are not payable for courses previously completed, unless the completed course has a grade of "F" if the

course has a minimum grade requirement for the student's major program of study. For additional information on the above policy or veterans affairs, please contact the Coordinator of Veterans Affairs in the University Advisement Center, Vodra Hall, Rm. 101, or call 201-200-2157.

## ACADEMIC STANDARDS

### ***Academic Standing***

Each student's academic standing is determined by the student's cumulative grade point average (CGPA; See Cumulative Grade Point Average, p. 36). Failure to maintain a minimum CGPA according to the established regulations will result in probation, suspension, or academic dismissal from the University.

### **ACADEMIC PROBATION**

A student will be placed on probation for the semesters during which the student's CGPA falls below the following levels:

- 1.60 CGPA after a minimum of 13 credit hours attempted
- 1.75 CGPA after a minimum of 24 credit hours attempted
- 1.85 CGPA after a minimum of 48 credit hours attempted
- 2.0 CGPA after a minimum of 72 credit hours attempted
- 2.0 CGPA is required for graduation

Unless notified otherwise, a student on probation should not enroll for more than 13 credits during during the probationary semester(s) or 11 credits in the combined summer sessions.

A student on probation who achieves a minimum semester grade point average of 2.0 during the probationary semesters may continue with his/her studies. Probation is removed when the student's cumulative grade point average reaches the minimum acceptable level.

### **ACADEMIC WARNING**

A student who fails to meet the prescribed academic standards at the mid-year point will be notified as to his/her continued probationary status and given an academic warning. Depending upon the student's CGPA at the end of the academic year, the Office of the Dean of Students may implement additional sanctions (continued probation, suspension, and/or dismissal).

### **ACADEMIC SUSPENSION**

At the end of the spring semester, a student who has been on probation for two consecutive semesters or more and who receives a semester CGPA lower than 2.00 may be suspended or dismissed from the University.

Any appeal of this suspension must be made to the Office of the Dean of Students, requesting reinstatement. As per the official notice of suspension, the suspended student must complete the appeals application, available from the Office of the Dean of Students in GSUB 127 or online at [http://web.njcu.edu/sites/deanofstudents/Uploads/appeal\\_application\\_packet.doc](http://web.njcu.edu/sites/deanofstudents/Uploads/appeal_application_packet.doc). This packet must be turned into the Office of the Dean of Students by July 1.

The Dean of Students will convene the Academic Appeals Committee, which will review the appeal and make a recommendation to the Dean of Students. The decision of the Dean of Students is final.

A student who fails to appeal or whose appeal is rejected may not be considered for reinstatement for one calendar year after the date of suspension. After one calendar year (including two academic semesters and not the summer session), the student must complete the application for reinstatement, which is available from the Office of the Dean of Students in GSUB127 or online at [http://web.njcu.edu/sites/deanofstudents/Uploads/reinstatement\\_application\\_08.pdf](http://web.njcu.edu/sites/deanofstudents/Uploads/reinstatement_application_08.pdf). A student who has been suspended must apply for reinstatement by July 1 for fall admission and by November 1 for spring admission.

A student who is suspended and subsequently reinstated will be placed on continued probation and must maintain a minimum semester grade point average of 2.00 during the next two semesters. The continued probation status will be removed when the student's cumulative grade point average reaches the appropriate level.

#### **ACADEMIC DISMISSAL**

A student who is suspended and subsequently reinstated, but achieves a semester grade point average lower than 2.00 for the next two semesters will be dismissed for a final time. This dismissal is final; it cannot be appealed; and the student cannot apply for readmission to the University for the future.

#### ***Voluntary Withdrawal***

Students who find it necessary to withdraw from the University must schedule an appointment with a counselor in the Counseling Center (201-200-3165). Each student who withdraws from the University must also officially withdraw from his/her courses, at the Registrar's Office, H-214.

#### ***Administrative Withdrawal***

The University reserves the right to administratively withdraw or deny registration to any student who fails to comply with institutional policies and regulations.

#### ***Financial Aid - Satisfactory Academic Progress Policy***

Federal regulations require institutions to establish minimum standards of satisfactory academic progress for students receiving federal, state and/ or institutional financial aid. These standards include "qualitative" as well as "quantitative" components. Students must maintain a certain cumulative grade point average (qualitative) and successfully earn minimal numbers of degree credits at each evaluation (quantitative). In determining satisfactory academic progress, all course work is considered, whether or not the student received financial aid at the time the work was completed.

Academic progress is measured annually after spring grades are posted. Students who do not meet the standards of satisfactory academic progress are notified by the Office of Financial Aid.

#### **QUANTITATIVE MEASURE**

The quantitative component measures the pace at which the student must progress through his/her program of study to ensure completion within the maximum timeframe allowed. Pace is calculated by dividing the cumulative number of credit hours the student successfully completed by the number of cumulative credit hours the student has attempted. The completion ratio must be 67% or greater.

For example, a student attempted 12 credit hours in the fall semester and earned 8 credits and in the spring semester s/he attempted 14 credits and earned 11.  $8 \text{ credits} + 11 \text{ credits} = 19 \text{ credits earned}$ .  $12 \text{ credits} + 14 \text{ credits} = 26 \text{ credits attempted}$ .  $19/26 = 73\%$  which is greater than the completion ratio of 67%.

**Transfer Credits:** Credits accepted by NJCU from prior institution(s) are totaled and divided by 15. The result, which is rounded down to the nearest whole semester, is the official measurement of the number of semesters spent at other institution(s). Transfer credits accepted toward the student's educational program are counted as both attempted and completed hours.

**Incomplete and Withdrawals:** Incomplete and withdrawn grades do not earn credits to meet the academic year minimum or influence the GPA in the term the course was attempted, but the credits are counted for timeframe determination. Repeated courses count toward determination of enrollment status and maximum timeframe.

#### **MAXIMUM TIMEFRAME**

The maximum timeframe a student may attend and continue financial aid eligibility cannot exceed 150% of the published length of the student's academic program measured in academic years. The published length of a four-year undergraduate program is eight semesters; therefore a full time student has a maximum of twelve semesters to complete the program. The length of a graduate program is based on the published length for each individual program; in no case will the graduate student's enrollment exceed the 150% point in time. If a student enrolls part time, the semester will be prorated accordingly. When the student's enrollment exceeds the 150% point, the student is no longer eligible for financial aid.

#### **QUALITATIVE MEASURE**

The qualitative component measures the student's cumulative grade point average (CGPA).

Consistent with the University's academic standing policy; undergraduate students must achieve the stated CGPA as follows:

- 1.60 CGPA after a minimum of 13 credits hours attempted.
- 1.75 CGPA after a minimum of 24 credit hours attempted.
- 1.85 CGPA after a minimum of 48 credit hours attempted.
- 2.0 CGPA after a minimum of 72 credit hours attempted.

Consistent with the general academic requirements of the Graduate School, graduate students must maintain a cumulative grade point average of at least 3.0 to retain their eligibility for financial aid.

#### **SATISFACTORY ACADEMIC PROGRESS APPEAL PROCESS**

A student who is notified that s/he has failed to meet Satisfactory Academic Progress is no longer eligible for federal, state or institutional financial aid. The student may appeal this determination by completing a Satisfactory Progress Appeal form and

making an appointment at the Counseling Center. The Counseling Center is located in the Gilligan Student Union Building, Room 308, and the telephone number is 201-200-3165. The student must bring the following to the scheduled appointment:

1. The completed Satisfactory Progress Appeal form.
2. A detailed letter describing the reason(s) for not making satisfactory progress and,
3. The steps that you have taken to correct the problems that have prevented you from making satisfactory academic progress.

If the appeal is approved, the student is placed on Financial Aid Probation and the student's financial aid eligibility is restored for one semester. During the period of Financial Aid Probation, the student must follow the recommendations provided by the Counseling Center Director or his/her designee. After financial aid probation, the student must be making satisfactory academic progress or s/he will be placed on Satisfactory Academic Suspension and will be ineligible for financial aid until s/he meets the minimum Satisfactory Academic Progress requirements or submits a successful appeal again.

### ***Academic Integrity Policy***

The following excerpts are drawn from the New Jersey City University Academic Integrity Policy, adopted February 17, 2004. The complete and most up-to-date Academic Integrity Policy is available at <http://www.njcu.edu/dept/senate/integritypolicy.htm>.

An academic community of integrity advances the quest for truth and knowledge by requiring intellectual and personal honesty in learning, teaching, research and service.

New Jersey City University (NJCU) is committed to nurturing the growth of intellectual reasoning, academic and professional values, individual ethics and social responsibility in its students. Academic integrity is central to this growth and is defined as a commitment, even in the face of adversity, to five fundamental values: honesty, trust, fairness, respect and responsibility. From these values flow principles of behavior that enable academic communities to translate ideals into action.

The University maintains that all students are expected to embrace the highest standards of academic integrity in their course work. Any violation of such may be

subject to a penalty based on the infraction that may include a reprimand, reduction in grade, failing grade, suspension or dismissal from the University.

Faculty, students and administrators must report all violations of academic integrity, other than Level I; such violations represent serious infractions and undermine the University's mission.

### **DEFINITIONS OF VIOLATIONS OF ACADEMIC INTEGRITY**

**Cheating:** Cheating is an act of deception by which a student misrepresents his or her mastery of material on a test or other academic exercise.

Examples of cheating include, but are not limited to the following:

- Copying from another student's work;
- Allowing another student to copy from one's work;
- Using unauthorized materials such as a textbook or notebook during an examination;
- Using specifically prepared unauthorized materials such as notes written on clothing, formula lists, etc., during an examination;
- Unauthorized collaboration with another person during an examination or an academic exercise;
- Unauthorized access to or use of someone else's computer account or computer files, for any purpose, without the permission of the individual;
- Possessing or obtaining an examination without the professor's authority or prior knowledge.

**Plagiarism:** Plagiarism occurs when a person represents someone else's words, ideas, phrases, sentences or data as one's own work. When a student submits work that includes such material, the source of that information must be acknowledged through complete and accurate references. All verbatim statements must be acknowledged by means of quotation marks.

Examples of plagiarism include, but are not limited to the following:

- One person quoting another's words directly without acknowledging the source;
- Using another's ideas, opinions or theories without acknowledging the source, even if they have been completely paraphrased in one's own words;

- Using facts, statistics or other illustrative material taken from a source, without acknowledging the source, unless the information is common knowledge;
- Using words or work of others taken from the Internet without acknowledging their source(s).

**Fabrication:** Fabrication refers to the deliberate use of invented information or the falsification of research or other findings with the intent to deceive.

Examples of fabrication include, but are not limited to the following:

- Citing information not taken from the source indicated;
- Listing sources in a bibliography or other report that are not used in one's project;
- Fabricating data or source information in experiments, research projects or other academic exercises;
- Taking a test for another person or asking or allowing another to take a test for one's self;
- Misrepresenting oneself or providing misleading and false information in an attempt to access another user's computer account.

### **Other Examples of Academic Misconduct:**

- Changing, altering, falsifying or being accessory to the changing, altering or falsifying of a grade report or form, or entering any University office, building or accessing a computer for that purpose;
- Stealing, buying, selling, giving away or otherwise obtaining all or part of any unadministered test/examination or entering any University office or building for the purpose of obtaining an unadministered test/examination;
- Submitting written work to fulfill the requirements of more than one course without the explicit permission of the instructors;
- Coercing any other person to obtain an unadministered test;
- Altering test answers and then claiming instructor inappropriately graded the examination;
- Unauthorized collaboration with any other person in preparing work offered for credit (e.g., purchased term papers\*).

\*NJSA 18A: 2-3 (c) prohibits the preparation for sale of any term paper, thesis, dissertation, essay, report or other written,

recorded, pictorial, artistic or other assignment knowing that it is intended to fulfill requirements for a degree, diploma, certificate or course at any educational institution. The law specifies up to a \$1,000 fine for violations of its provisions.

## Penalties of Violations for Academic Integrity

### Level I

Level I penalties apply in circumstances involving ignorance or inexperience on the part of the person(s) committing the violation and ordinarily include a minor portion of the course work. The imposition of these penalties is considered an academic issue and not disciplinary.

*Example:* Improper documentation of sources or unauthorized collaboration on an academic exercise.

*Possible Penalties:* Make-up assignment, assignment of no-credit for the work in question, or a required assignment on preparation of term papers.

These penalties are subject to the discretion of the faculty member. Faculty will meet with the student offender to discuss the allegation and possible penalties.

### Level II

Level II penalties involve incidents of a more serious nature and affect a significant aspect or portion of the course.

*Example:* Copying from or giving assistance to others on a mid-term, final or other examination; plagiarizing major portions of an assignment; using unauthorized material on an examination; or altering a graded examination for the purposes of re-grading.

*Possible penalties:* A failing grade on the assignment and/or in the course, which ever is applicable, may be given subject to the discretion of the faculty member. Violations at this level will be reported to the department chair and the Academic Dean (for major courses, the report will be made to the corresponding Academic Dean, for general studies courses, the report will be made to the Dean of Arts and Sciences, in the case of an undergraduate student). A notation of plagiarism shall be placed in the student's record following this offense, and the student will not be allowed to expunge the grade of F from his/her GPA should he or she re-take the course. Confidential copies of

the report will also be sent to the Vice President for Academic Affairs and the Dean of Students or the Dean of Graduate and Continuing Education. Should the Vice President for Academic Affairs upon receipt of a report of plagiarism, find that a student has a prior record of plagiarism, the offense will be upgraded to Level III, and the Vice President for Academic Affairs will notify the instructor, the chair and the academic dean so that appropriate action can be taken. Any violation that involves repeat offenses at Level I is considered a Level III violation.

### Level III

Level III penalties apply to offenses that are even more serious in nature and involve pervasive dishonesty on a significant portion of course work, such as a major paper, mid-term, final exam or other examination.

*Example:* Using a purchased term paper presenting the work of another as one's own; having a substitute take an examination; or possessing or obtaining an examination without the professor's authority or prior knowledge.

*Possible Penalties:* A failing grade on the assignment and/or in the course, which ever is applicable, may be given subject to the discretion of the instructor. Violations at this level will be reported to the department chair and the academic dean (for major courses, the report will be made to the corresponding Academic Dean, for general studies courses, the report will be made to the Dean of Arts and Sciences). In the case of an undergraduate student, a notation of plagiarism shall be placed in the student's record following this offense, and the student will not be allowed to expunge the grade of F from his/her GPA should he or she re-take the course. Confidential copies of the report will also be sent to the Vice President for Academic Affairs and the Dean of Students or the Dean of Graduate and Continuing Education. Should the Vice President for Academic Affairs or the Dean of Graduate and Continuing Education discover, upon receipt of a report of plagiarism, that a student has a prior record of plagiarism, the Vice President for Academic Affairs or the Dean of Graduate and Continuing Education will notify the faculty member, the chair and the academic dean so that appropriate

action can be taken.

In the event the faculty member determines that the violation is severe, she/he may recommend to the department chair/academic dean that the student be placed on probation, suspension, or expulsion for one or more semesters with a notation of "disciplinary suspension" indicated on the student's record, or that the student be permanently dismissed from the University in case of repeat offenses. The Academic Dean, in consultation with the faculty member, will be responsible for deciding the additional penalty.

## Academic Grievance/ Appeal Procedure

The following procedure is available to resolve grievances regarding grading, course requirements, attendance, academic integrity, and other academically related complaints:

**Step 1.** Meeting and discussion with the faculty member involved to resolve the situation in question must take place within forty-five (45) days of the last day of the semester on which the grievance is based. At the conclusion of the meeting the faculty member will inform the student of a decision.

**Step 2.** The student may initiate a written appeal with the faculty member within ten (10) calendar days of notification of the decision of the faculty member; the faculty member will respond in writing within ten (10) calendar days of the date of receipt of the written appeal. Should the faculty member fail to respond within ten (10) calendar days, the student may present his/her written appeal to the next level of review, the department chairperson, within ten (10) calendar days.

**Step 3.** Written appeal to the appropriate department chairperson within ten (10) calendar days of notification of a decision pursuant to the previous step or upon failure of the faculty member to respond with in the prescribed ten (10) calendar days.

**Step 4.** Written appeal to the appropriate Academic Dean within ten (10) calendar days of notification of a decision pursuant to the previous step. The appropriate dean shall provide the student with a written decision within ten (10) calendar days of receipt of the appeal from Step 3.

**Step 5.** Written appeal to the University Senate Student Affairs Committee within ten (10) calendar days of notification of a decision pursuant to the previous step.

Grievances that are not resolved at the Dean's level may be referred to the Student Affairs Committee of the University Senate for review and decision, which will be forwarded to the Vice President for Academic Affairs for final decision.

The Student Affairs Committee of the University Senate shall deal with grievances involving grading, course requirements, attendance, academic integrity, and other academically related complaints after Steps 1–4 above have been exhausted. The committee shall include at least one faculty or professional staff member from each of the Colleges and one student. The Vice President for Student Affairs or Associate Vice President for Student Affairs will serve as a non-voting, ex-officio member of this Committee. The Student Affairs Committee shall deal with grievances initiated by students. The Committee may choose to invite parties involved to meet with the committee to present their positions or to proceed on the written record generated from the appeal process detailed above.

Within (20) twenty days of receipt of a written appeal from a student, the committee shall (a) determine that the appeal has basis in fact; (b) inform the complainant of the legal and administrative limitations of the committee in resolving grievances; and (c) determine that all normal avenues of appeal resolution, between the parties involved, and the applicable department chair and dean, have been exhausted. It shall provide notice of its decision, made on a review and advise basis, to the Vice President for Academic Affairs, who renders a final decision within thirty (30) calendar days of receiving the Student Affairs Committee's recommendation.

#### **FINAL APPEAL**

Only cases that result in expulsion may be appealed to the President. In these cases, the decision of the President is final and there is no further recourse at the University. The charged student will have ten (10) calendar-days from the date of the decision by the Vice President for Academic Affairs to file an appeal with the President of the University. All appeals must be in writing. In cases resulting in expulsion, the President of the University shall render a final decision within twenty (20) calendar-days of receiving the appeal.

#### ***Attendance Policy***

Each faculty member has full responsibility

for determining the purposes of class meetings of courses for which he or she is responsible. At the first meeting of the class, each student shall receive a written statement of the requirements for the course (syllabus), including those of attendance as demanded by the nature and purposes of the course.

Each student is expected to fulfill the attendance requirements as determined by the faculty member. Failure to attend classes without a valid excuse as determined by the faculty member may be factored into the evaluation of the student's performance and achievement for the course.

Absence from classes due to illness or personal reasons should be handled privately by the student and faculty member on an individual basis. Students who expect to be absent for more than three (3) days must contact the Dean of Students, who will notify faculty members of the student's situation.

An absence of any length requires that the student discuss the potential impact the absence may have on the student's academic progress with his/her professor(s).

Each student shall be required to take all examinations on the days scheduled for such, provided these schedules are announced in advance by the faculty member responsible for the course.

To ensure compliance with Federal and State aid requirements, instructors are required to keep such records as will enable them to complete the monthly Veterans Attendance Rosters and the Mid-Semester Audit Report forms and to certify the last date of attendance of students receiving aid.

**Note:** Non-attendance does not constitute withdrawal from courses. Students who cease attending and otherwise participating in class activities may earn failing ("F") grades. These grades become a part of the students' permanent records, and are not subject to removal upon request.

#### ***Transcripts***

To request a transcript, a student or graduate has three options:

1. In person: at the Registrar's Office Hepburn 214 on a form supplied by the office;
2. By mail: send a signed letter to:

**Registrar's Office**  
**Attn: Transcripts**  
**New Jersey City University**  
**2039 Kennedy Blvd.**  
**Jersey City, NJ 07305-1597**

3. On the Internet: [web.njcu.edu/dept/registrar](http://web.njcu.edu/dept/registrar) or <https://gothicnet.njcu.edu>

Students may request separate undergraduate and graduate transcripts, but no portion of the undergraduate or graduate transcript record may be deleted. Procedures for the issuance of transcripts are governed by the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA) as amended (34 CFR Part 99; 20 U.S.C. 1232g).

Transcripts are prepared by the Registrar's Office in accordance with the policies of the American Association of Collegiate Registrars and Officers of Admission. Where New Jersey City University transcripts show credits hours earned at other institutions, the official transcripts of those institutions have become part of the student's permanent file in the Registrar's Office. New Jersey City University does not make copies of other institutions' transcripts. To obtain transcripts from institutions other than New Jersey City University, students must contact the other institutions directly.

Transcripts should be requested at least ten days prior to the time needed. No transcript shall be granted to any student or sent to a specified organization until all fees have been paid and other University obligations have been met. The Registrar's Office has the right to deny a transcript request from any student who abuses this service.

Effective January 1, 2012, the University will not issue an official transcript if a student owes a past due balance on a student account or has defaulted on repayment of a student loan.

A one-time transcript fee of \$25.00 will be charged to all students in their first terms at New Jersey City University. Requests are limited to 10 per year for regular-service transcripts. A \$10.00 fee is charged for one-hour service.

#### ***Mid-Semester Progress Report***

Mid-semester progress reports are sent to students during the Fall and Spring semesters solely for the purpose of notifying students of their academic progress to date. Mid-semester progress reports are not official academic records of the University, and are not made available to anyone other than the students to whom they are addressed. A passing or failing progress report does not guarantee a similar grade in a course. However, an unsatisfactory progress report should be taken as a warning that the student is in

jeopardy of failing the course.

### ***Student Records***

New Jersey City University maintains academic and health records of all students enrolled in the University. Additionally, financial records, as required by federal and state regulations, are maintained on all students who receive financial assistance through the University.

#### **ACCESS TO STUDENT RECORDS**

For the purposes of compliance with the Family Educational Rights and Privacy Act (FERPA), the University considers all students enrolled in the University as independent.

The Family Educational Rights and Privacy Act of 1974 afford students certain rights with respect to their education records. They are:

1. The rights to inspect and review the student's education records within 30 (thirty) calendar days of the day the University receives a request for access.

Students should submit to the Dean of Students, or to other appropriate officials, written requests that identify the records(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want to change, and specify why it is inaccurate or misleading.

FERPA was not intended to provide a process to be used to question substantive judgments that are correctly recorded. The rights of challenge are not intended to allow students to contest, for example, a grade in a course because they felt a higher grade should have been assigned.

If the University decides not to amend the record as requested by the students, the appropriate office in the University

will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

In most cases, students must consent to the disclosure of personally identifiable information to a third party, in writing.

One exception, which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, collection agent, or official of the National Student Clearinghouse); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

The University may disclose education records in certain other circumstances:

- a. to appropriate parties to comply with a judicial order or a lawfully issued subpoena (Unless a court order has ordered that the existence of the subpoena not be disclosed, the University will attempt to inform the student of the subpoena, by letter to his/her last known address, prior to the requested documents being released.);
- b. to appropriate parties in a health or safety emergency;
- c. to officials of another school, upon request, in which a student seeks or intends to enroll;
- d. to University and other appropriate officials in connection with a student's request for or receipt of financial aid, to determine the eligibility, amount, or conditions of the financial aid, or to enforce the terms and conditions of the

aid;

- e. to certain officials of the U.S. Department of Education, the Comptroller General's office, or to state and local educational authorizes, in connection with certain state or federally supported education programs;
  - f. to accrediting organizations to carry out their functions;
  - g. to organizations conducting certain studies for or on behalf of the University;
  - h. to the alleged victim of a crime of violence or a non-forcible sex offense when the crime was allegedly committed by the student; the University may disclose the results of an institutional disciplinary proceeding with respect to the crime which shall include only the name of the student, the violation committed, the sanction imposed and the name of another student, such as victim or witness, only with the consent of the student;
  - i. to the parent(s) or legal guardian the violation of any law or University rule or policy governing the use or possession of alcohol or a controlled substance if the student is under 21 years of age and the University determines that the student has committed a disciplinary violation with respect to use or possession.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA.

The name and address of the Office that administers FERPA is:

Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC, 20202-4605.

**DIRECTORY INFORMATION**

The University may disclose the following categories of student information, designated as public information: the student's name, address, telephone number, e-mail address, age, major field of study, degree sought, expected date of completion of degree requirements and graduation, degrees and awards received, dates of attendance, full or part time enrollment status, the previous educational agency or institution attended, participation in officially recognized activities and sports, weight and height of athletic team members, and other similar information and photographs.

Students may restrict the release of public information, except to school officials with legitimate educational interests. To do so, a student must make the request in writing to the Dean of Students or by completing a "Do Not Release Information Form" at the Registrar's Office. Once filed, this request becomes a permanent part of the student's record until the student instructs the University, in writing, to have the request removed.

**RECORD OF ACCESS**

A record must be kept in the education record of each student that indicates the individuals or organizations, other than University personnel, which have requested or obtained access to the student's records and the legitimate education interest of the individual or organization in obtaining the information. The record of access may be released only to the student, University personnel, or state or federal officials as means of auditing the system of reporting access to student records. Subpoenas, where the court has ordered that their existence not be disclosed, will not be released except within the parameters of the court order.

Educational records or personally identifiable information in the records may be released as specified under item 3, above.

***Dean's List***

Students with a semester average of 3.50 or better, based on a minimum of 12 credits of computable grades, will be placed on the Dean's List for academic honors.

***Graduation with Honors***

Students who have a cumulative grade point average of 3.65 or better as they begin their final semester at the University will be officially recognized as honors graduates and designated as follows, based on a minimum

of 32 credit hours in residence at New Jersey City University:

- 3.65–3.79: Cum laude
- 3.80–3.89: Magna cum laude
- 3.90–4.00: Summa cum laude

Students who achieve a cumulative average of 3.65 or better at the completion of their final semester have an "honors" notation made on their permanent records.

***Honor Societies*****Alpha Kappa Delta**—Sociology

Rossey Hall, Rm. 539, 201-200-3261

**Beta Beta Beta**—Biology

Science Building, Rm. 335, 201-200-3054

**Chi Alpha Epsilon**—Opportunity

Scholarship Program (OSP)

Vodra Hall, Rm. 211, 201-200-3355

**Delta Mu Delta**—Business

Education and Professional Studies Building, Rm. 414, 201-200-3353

**Golden Key**—College of Arts and Sciences

Karnoutsos Hall, Rm. 605, 201-200-3001

**Kappa Delta Pi**—College of Education

Education and Professional Studies Building, Rm. 303, 201-200-2101

**Kappa Mu Epsilon**—Mathematics

Karnoutsos Hall, Rm. 506, 201-200-3201

**Kappa Pi**—Art

Visual Arts Building, Rm. 120, 201-200-2367

**Pi Alpha Theta**—History

Karnoutsos Hall, Rm. 519, 201-200-3251

**Pi Sigma Alpha**—Political Science

Karnoutsos Hall, Rm. 606, 201-200-3231

**Psi Chi**—Psychology

Science Building, Rm. 432, 201-200-3062

**Sigma Delta Pi**—Modern Languages

Karnoutsos Hall, Rm. 202, 201-200-3176

**Sigma Tau Delta**—English

Karnoutsos Hall, Rm. 304, 201-200-3337

**Sigma Theta Tau**—Nursing

Rossey Hall, Rm. 405, 201-200-3157

## ACADEMIC SUPPORT PROGRAMS

**English as a Second Language**  
Karnoutsos Hall, Rm. 205  
201-200-3087  
<http://web.njcu.edu/sites/dept/ESL>

**Dr. Anne Mabry, Coordinator**  
[amabry@njcu.edu](mailto:amabry@njcu.edu)

The course offerings of the ESL Program equip students with the English language skills that they need to perform effectively in courses leading to a bachelor's degree. The ESL Program uses an interdisciplinary approach to language learning across a range of proficiency levels, with the primary aim of teaching academic writing. The Program consists of many levels of coursework, which include ESL equivalents of the All-University Requirements of English Composition I and II.

### STUDENT SUPPORT SERVICES

The ESL Program provides the following academic support services for students registered in ESL coursework:

The **ESL Tutoring Center** offers free one-on-one tutoring in writing;

The **Computer Language Learning Center** provides students with a computer lab for coursework and individualized instruction. The lab is open to all ESL students, free of charge;

The **ESL Resource Center** is a small lending library consisting of books, audiotapes and videotapes designed to help students with their individual language-learning needs.

### CERTIFICATE PROGRAM

A two-part certificate program is available in American English and the Culture of the USA. The main purpose of these programs is to enable native and non-native speakers of English to express themselves with sophistication and precision on a wide range of topics. To achieve this objective, students take a variety of courses related to language and other aspects of cultural life in the United States. Eighteen credits are required to complete each certificate. The certificate program is not designed for students already enrolled at New Jersey City University, but rather for professionals and businesspersons who wish to improve their English.

### *Lee Hagan Africana Studies Center*

Congressman Frank J. Guarini Library,  
Rm. 225  
201-200-3524  
<http://www.njcu.edu/hagancenter>

**Dr. Antoinette Ellis-Williams, Director**  
[aellis@njcu.edu](mailto:aellis@njcu.edu)

The Lee Hagan Africana Studies Center educates faculty, students, and the surrounding community about issues related to peoples across the African Diaspora. Through workshops, speakers, research projects, seminars, exhibitions, and performances it helps develop and support cultural, political and educational growth. The Center also houses educational and multimedia materials that are available for research.

The Center annually awards the Martin Luther King Jr. Scholarship, and the Lee Frank and Melvania Rhymes Scholarship.

### *Literacy Education*

**Education and Professional Studies Building, Rm. 345**  
201-200-3521  
[http://www.njcu.edu/academics/edu\\_minor\\_literacy\\_ed.asp](http://www.njcu.edu/academics/edu_minor_literacy_ed.asp)

**Dr. Mary Alice McCullough, Co-Chairperson**  
[mmccullough@njcu.edu](mailto:mmccullough@njcu.edu)

The Department of Literacy Education offers skills development courses, both basic and developmental. Skills development courses assist students in acquiring and refining the comprehension and study skills that will help them to be more successful in their academic courses. Each skills course addresses the needs of individual students and provides for personalized instruction in order to achieve this end.

Courses are offered for basic skills (i.e., non-degree credit) and for continued improvement in reading and critical thinking through the Academic Foundations Program at the University. Courses help students to approach their reading and study tasks efficiently and effectively. Practice in the application of learned strategies enables students to achieve success in academic courses.

### *M. Jerry Weiss Center for Children's and Young Adult Literature*

Grossnickle Hall, Rm. 103  
201-200-3548  
<http://web.njcu.edu/programs/mjwc/>

**Ms. Christine Carmody-Arey, Director**  
[ccarmody@njcu.edu](mailto:ccarmody@njcu.edu)

**Hours: Monday through Friday**  
8:30 a.m. to 4:30 p.m.

New Jersey City University dedicated the M. Jerry Weiss Center for Children's and Young Adult Literature in honor of Dr. M. Jerry Weiss, Emeritus Distinguished Service Professor of Communications. Dr. Weiss is a nationally recognized expert in the field of children's and adolescent literature and a pioneer in the field of Whole Language. The Center was dedicated and officially opened on October 5, 2006.

The M. Jerry Weiss Center for Children's and Young Adult Literature houses recently published books from a number of publishers. Members of the NJCU community, as well as local teachers and community members, are encouraged to visit the Center and are invited to browse and review the latest children's and young adult books.

Faculty of New Jersey City University and graduate students in the Department of Literacy Education are permitted to borrow from the Weiss Center collection for purposes of completing reviews. Selected reviews will be published in the Center's periodical publication, the Weiss Word, and on the Center's website.

The circulating collection of the Center is housed on the third floor of the Congressman Frank J. Guarini Library. Books in the circulating collection were donated by publishers, Dr. Weiss, or by friends and relatives of Dr. Weiss in his name. The reference (non-circulating) part of the collection, consisting of autographed books, is located in Special Collections on the first floor of the library.

### *Office of Academic Services for Evening Students (OASES)*

Gilligan Student Union Building, Rm. 109  
201-200-2233  
<http://web.njcu.edu/sites/oases>  
[oases@njcu.edu](mailto:oases@njcu.edu)



**Ms. Luceand Cuba, Coordinator**  
lucuba@njcu.edu

**Fall and Spring Semester Hours:**

*Monday through Thursday*

2:00 p.m. to 10:00 p.m.

*Friday* 8:30 a.m. to 4:30 p.m.

**Winter Intersession Hours:**

*Monday through Friday*

8:30 a.m. to 4:30 p.m.

**Summer I and Summer II Session Hours:**

*Monday through Thursday*

12:45 p.m. to 10:00 p.m.

The Office of Academic Services for Evening Students (OASES) serves as the evening administrative office and provides evening students and full-time and adjunct faculty a centrally located resource center. The office assists students in accessing academic support services, provides access to general University information, makes available various administrative forms, and coordinates telephone inquiries to the University after 4:30 p.m. In an effort to respond to the changing needs of evening students, OASES relates the concerns of evening students to the appropriate managerial administrator. OASES strives to provide evening students access to the enrichment of curriculum-related events and works with various departments in the planning and implementation of academically themed workshops, seminars, and discussions. The office hours above are subject to change in response to the needs of evening students. Please contact OASES to confirm hours of availability or for further information.

***Office of Continuing Education***

**Department of Graduate and Continuing Education**

Hepburn Hall, Rm. 201

201-200-3089

<http://web.njcu.edu/dept/continuingeducation>  
conted@njcu.edu

**Queen Gibson, Assistant Director**  
qgibson@njcu.edu

The Office of Continuing Education in the Department of Graduate Studies and Continuing Education provides non-credit courses and workshops for adults and children. Non-credit courses for adults include courses in computer applications, fashion design, real estate, test preparation, and other topics. In addition, non-credit

course sequences leading toward professional certification and/or licensure are offered. These include courses leading toward certification in alcohol and drug counseling, real estate, and pharmacy technician. The Office of Continuing Education also creates opportunities for the auditing of New Jersey City University undergraduate courses, especially in English as a Second Language and Modern Languages.

Through its "Kids on Campus" program, the Office provides educational and enrichment opportunities for children in grades kindergarten through 8. Offerings for children include courses in computers, creative arts, math, reading, science, Spanish enrichment, swimming, and courses geared toward preparation for various standardized tests.

The Office of Continuing Education is registered with the New Jersey Department of Education as a New Jersey professional development provider.

The Office of Continuing Education welcomes suggestions from individuals and groups regarding potential offerings. Suggestions and comments should be submitted online at <http://web.njcu.edu/dept/continuing>.

***Office of International Students and Study Abroad***

Grossnickle Hall, Rm. 303

(201) 200-3022

<http://web.njcu.edu/dept/oissa>

**Dr. Craig Katz, Director**  
internationalstudents@njcu.edu

New Jersey City University welcomes a growing community of students from around the world. The Office of International Students and Study Abroad provides support services for F-1 visa students. Our mission is to make your experience at NJCU a rewarding one by providing a wide range of services, including academic advisement, help in maintaining your F1 student status, and adjusting to life in the U.S. If you have any questions, please feel free to contact us.

The Office of International Students and Study Abroad coordinates international programs for NJCU students. NJCU students have access to a wide range of programs in Latin America, Europe, Asia, Africa and Australia. The minimum grade point average requirement for most programs is 2.5. Federal Financial aid can be applied

toward a Study Abroad experience, and all approved courses taken abroad will transfer to NJCU.

***Office of Specialized Services for Students with Disabilities***

**Education and Professional Studies**

Building, Rm. 343

201-200-2557/201-200-2091

<http://web.njcu.edu/programs/oss/>

**Jennifer Aitken, Director**  
jaitken@njcu.edu

**Jazmin Zegarra, Coordinator**  
jzegarra@njcu.edu

**Fall and Spring Semesters,  
Winter Intersession Hours:**

*Monday through Friday*

9:00 a.m. to 5:00 p.m., by appointment

**Summer I and II Sessions:**

*Monday through Thursday*

8:00 a.m. to 5:15 p.m., by appointment

NJCU students with disabilities are provided equal access to college programs through the Office of Specialized Services (OSS). The OSS serves as a resource for students with mobility, vision, hearing, learning, and other disabilities that may require campus/classroom accommodations.

The mission of the Office of Specialized Services is to:

- provide equal access for students with disabilities to NJCU's academic programs and activities in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act;
- provide reasonable accommodations for qualified students; and
- maintain an accessible environment for all students with disabilities.

The OSS assists students in securing reasonable accommodations supported by documentation. Reasonable accommodations include, but are not limited to, alternate testing arrangements, adaptive/assistive technology, and assistance in arranging for sign language interpreters, books in alternate format, and peer note-takers.

It is the student's responsibility to self-identify and to request services. Students requesting accommodations are required to submit appropriate and recent documenta-

tion of their diagnosed disabilities.

All disability documentation should include the following:

- the credentials of the evaluator(s);
- a diagnostic statement identifying the disability;
- description of the diagnostic methodology used;
- description of the *current* functional limitations;
- description of the expected progression or stability of the disability;
- current and/or past accommodations, services and/or medications;
- recommendations for accommodations, adaptive devices, assistive services, compensatory strategies, and/or collateral support services.

Students with learning disabilities are required to submit the most recent Individualized Education Program (IEP), Educational Evaluation and Psychological Evaluation. Documentation guidelines are outlined on the homepage of the OSS department website: <http://web.njcu.edu/programs/oss>.

### ***Reasonable Accommodation Grievance Procedure for Students with Disabilities***

If you are a student with a documented disability and have a grievance regarding access to reasonable accommodations, you must file a written complaint with the Director of the Office of Specialized Services. The director will initiate the academic grievance procedures as outlined on page 40 of the undergraduate catalog. The director will inform the student in writing of the decision. Complaints about or appeals from reasonable accommodation determinations of the Office of Specialized Services should be addressed with the Office of the Vice President for Academic Affairs. The Vice President will review such matters in consultation with the Equal Employment Opportunity/Affirmative Action (EEO/AA) office.

### ***Opportunity Scholarship Program***

Vodra Hall, Rm. 211

(201) 200-3355

<http://web.njcu.edu/dept/osp>

**Dr. Andrew Platizky, Director**  
[aplatzky@njcu.edu](mailto:aplatzky@njcu.edu)

Opportunity Scholarship (OSP) is the name for the Educational Opportunity Fund (EOF) at New Jersey City University. OSP provides support services to help qualified students prepare for a successful start at NJCU. Through the program, students strengthen academic and classroom skills in advance of the fall or spring semester through a six-week orientation program.

To qualify, a student must be a resident of New Jersey for at least one year prior to receiving an OSP grant; have a high school diploma or GED Certificate; demonstrate through an OSP interview the motivation to complete a college program; qualify financially, and agree to participate in the orientation program.

See **page 50** for more information.

### ***Supplemental Instruction/Tutoring***

A number of outstanding, no-cost tutoring resources are available throughout the following departments, many of which also provide on-line resources:

- Opportunity Scholarship Program (OSP students)
- Office of Specialized Services for Students with Disabilities
- Biology
- Chemistry
- English/The Writing Center
- English as a Second Language
- Geosciences
- Mathematics
- Modern Languages
- Physics

# ACADEMIC CAREER PLANNING AND PLACEMENT/ OFFICE OF COOPERATIVE EDUCATION

Capone Career Development Center  
Vodra Hall, Rm. 101  
201-200-3005  
800-624-1046  
<http://web.njcu.edu/dept/acp>

Dr. Jennifer Jones, Director  
[jjones@njcu.edu](mailto:jjones@njcu.edu)

The Academic Career Planning and Placement Office provides comprehensive services to enhance the career development efforts of students and to support the academic aims of the University. The Career Center helps students to navigate the career decision-making process throughout their stay at New Jersey City University, and after graduation.

## Career Services

One of the most important decisions in life is choosing the right career. The Career Center offers services and programs to assist students with career decision-making and developing life skills. Services include:

- Help with writing individual career plans;
- Counseling and testing;
- Workshops and employer presentations;
- Alumni career networking and mentoring;
- Cooperative education and internships;
- Employer information;
- Placement assistance for part-time and full-time employment;
- On-campus recruitment program for graduating seniors;
- Career and graduate school fairs;
- Assistance with job search and pre-employment skills.

## The Career Resource Center

The Career Resource Center offers students the opportunity to become more informed about marketplace needs, careers, work issues, job qualifications, certifications, employment opportunities, advanced education, résumé writing, and interview preparation. The Center also provides graduate school catalogs, and information on fellowships, scholarships, and financial assistance.

## Senior and Alumni Services

Services are available for seniors and New Jersey City University graduates seeking full-time employment. To be eligible, a student must be a current undergraduate student with 90 or more credits or a graduate of New Jersey City University. Alumni may remain active in the placement file by completing a senior packet upon graduation, or by contacting the Academic Career Planning and Placement Office for job referral and career development activities.

## The Office of Cooperative Education

The Cooperative Education Program consists of a combination of work and study for undergraduate students in their sophomore, junior, and senior years of study. The Cooperative Education Program is designed to combine classroom learning with practical experience in an educationally beneficial way. Students may choose from a wide range of employment opportunities to enhance both their academic classroom experience and their professional career skills.

To apply for admission to the Cooperative Education Program, a student must have a minimum cumulative grade point average (CGPA) of 2.00, a declared major, and the approval from his/her major department chairperson. Placed students may work in either full-time or part-time positions, earning up to 12 undergraduate degree credits. Students enrolled in the Cooperative Education Program are offered salaried, entry-level, professional positions in financial institutions, media facilities, service organizations, health agencies, retail stores, etc.

Cooperative education assignments are developed according to students' interests, skills, and educational backgrounds. Each assignment is matched, as closely as possible, to students' long-range career goals and gives students the opportunity to see a variety of employment options within an industry.

An interested student should complete an application form and submit a résumé to the Office of Cooperative Education. Assistant directors of Cooperative Education have designated areas for placement.

Placement listings for each assistant director are posted in the academic departments and in the Office of Cooperative Education.

For additional information about career programs and services, contact the Academic Career Planning & Placement Office, Vodra Hall, Rm. 101 or call 201-200-3005 or view the website, at <http://web.njcu.edu/dept/acp>.

## ACADEMIC COMPUTING

**Education and Professional Studies Building, Rm. 113**  
**201-200-3218**  
<http://www.njcu.edu/ac>

**Dr. Charles Pratt, Director**  
[cpratt@njcu.edu](mailto:cpratt@njcu.edu)

The University provides over 600 personal computers in a variety of computer lab settings for student use. Some of these computers are in large, public computer labs. Others are in smaller computer labs whose major function is to provide access to computers and specific software for its departmental majors.

New Jersey City University has identified a number of different applications as "University standard." Most computers on campus have Microsoft Office® installed as the productivity application suite. Microsoft Office® includes Microsoft Word for word processing, Microsoft Excel for number manipulation (spreadsheets), Microsoft PowerPoint for presentations, and Microsoft Access for databases. E-Mail and the Internet can be accessed from most computer labs by using one of the standard Internet browsers such as Internet Explorer.

The University provides two different types of computer labs: public and departmental computer labs. The lists of computer labs below are arranged under those two categories.

Knowledgeable, trained student and/or professional staff members are available in all of the public and most of the departmental computer labs. If you need assistance with the computer, just ask one of these individuals.

Access to Computer Technology at New Jersey City University, an updated list of computer labs available for student use, is published during each Fall semester and distributed in Academic Computing, the Congressman Frank J. Guarini Library, the Gilligan Student Union Information Desk, and the Office of Academic Service for Evening Students (OASES). An online list of labs can be found at the website for Academic Computing, <http://www.njcu.edu/ac>.

### ADAPTIVE TECHNOLOGY AT NEW JERSEY CITY UNIVERSITY

Adaptive technology is available for students with documented disabilities. Adaptive technology includes, but is not limited to, books on tape, screen readers, note taking devices,

and specialized software. Some of this specialized software is available in the Electronic Learning Lab (P-103), The Writing Center (K-115), and in the Congressman Frank J.

Guarini Library. For further information regarding adaptive technology, contact Jennifer Aitken in the Office of Specialized Services, P-343, or call 201-200-2557.

**PUBLIC COMPUTER LABS** are available for all New Jersey City University community members (registered students, faculty, and staff of the University). New Jersey City University Identification is required for access.

DEPARTMENT	LAB NAME	LOCATION	CONTACT PERSON
Academic Computing	Electronic Learning Lab	P-103	Dr. Charles Pratt <a href="mailto:cpratt@njcu.edu">cpratt@njcu.edu</a>
Academic Computing	ACS Computer Lab	L 101	Dr. Charles Pratt <a href="mailto:cpratt@njcu.edu">cpratt@njcu.edu</a>
Congressman Frank J. Guarini Library*		Throughout the library*	Mr. Ashraf Elbaz <a href="mailto:aebaz@njcu.edu">aebaz@njcu.edu</a>

\*The Congressman Frank J. Guarini Library has many clusters of computers on each floor of the building. The major purpose for these computers is to conduct library research on one of the many online databases to which the Library subscribes, or to search the Internet. Computers dedicated for word processing are located in a special section on the fourth floor of the Library.

**DEPARTMENTAL COMPUTER LABS** support specialized software and hardware. These are usually small labs with no access for public use. Only student majors in the academic department or those officially enrolled in a department course are allowed to use the computer lab.

DEPARTMENT	LAB NAME	LOCATION	CONTACT PERSON
Art	Open Lab Class Labs	A-218 A-201 & A 209	Mr. Tim Stuckey <a href="mailto:tstuckey@njcu.edu">tstuckey@njcu.edu</a>
Biology/Chemistry	Science Lab	S 312	Dr. Laura Pannaman <a href="mailto:lpannaman@njcu.edu">lpannaman@njcu.edu</a> Dr. Kenneth Yamaguchi <a href="mailto:kyamaguchi@njcu.edu">kyamaguchi@njcu.edu</a>
Computer Science	K-428 K-430 K-425	K-428 K-430 K-425	Mr. Jonathan Hromy <a href="mailto:jhromy@njcu.edu">jhromy@njcu.edu</a>
English	Journalism Lab	K-108	Dr. Charles Pratt <a href="mailto:cpratt@njcu.edu">cpratt@njcu.edu</a>
English	The Writing Center	K-109 & K-115	Dr. Ann Wallace <a href="mailto:awallace@njcu.edu">awallace@njcu.edu</a>
English as a Second Language (ESL)	ESL Lab	K-224	Dr. Anne Mabry <a href="mailto:amabry@njcu.edu">amabry@njcu.edu</a>
Modern Languages	Modern Languages Lab	K-224	Dr. Alberto Barugel <a href="mailto:abarugel@njcu.edu">abarugel@njcu.edu</a>
Geography & Geoscience	GIS Lab	R-602	Dr. William Montgomery <a href="mailto:wmontgomery@njcu.edu">wmontgomery@njcu.edu</a>
Karnoutsos Hall Departments	Multi-Department Lab	K-427	Mr. Jonathan Hromy <a href="mailto:jhromy@njcu.edu">jhromy@njcu.edu</a>
Mathematics	Math Lab	K-504	Dr. Yi Ding <a href="mailto:yding@njcu.edu">yding@njcu.edu</a>
Media Arts	Mac Lab	F-203	Mr. James Wallace <a href="mailto:jwallace@njcu.edu">jwallace@njcu.edu</a>
Music, Dance & Theater	Computer Music Lab	R-315	Drs. Donna Connolly & Min Kim <a href="mailto:dconnolly@njcu.edu">dconnolly@njcu.edu</a> , <a href="mailto:mkim@njcu.edu">mkim@njcu.edu</a>
Physics	Physics Lab	S-115	Dr. Alberto Pinkas <a href="mailto:apinkas@njcu.edu">apinkas@njcu.edu</a>

## CONGRESSMAN FRANK J. GUARINI LIBRARY

**201-200-3030 Circulation**

**201-200-3033 Reference**

**201-200-3518 Periodicals**

**201-200-3137 US Government Documents**

**201-200-3471 Education Services**

**libraryref@njcu.edu**

**<http://www.njcu.edu/guarini>**

**Ms. Grace Bualong, Director**

**[gbulaong@njcu.edu](mailto:gbulaong@njcu.edu)**

### **Fall and Spring Semester Hours:**

***Monday through Thursday***

7:30 a.m. to 10:00 p.m.

***Friday*** 7:30 a.m. to 5:00 p.m.

***Saturday*** 9:00 a.m. to 5:00 p.m.

***Sunday*** 11:00 a.m. to 5:00 p.m.

The Congressman Frank J. Guarini Library opened in September 1999. The Library's collections and services promote classroom teaching and to enable students to meet course requirements successfully. In addition, the Library supports Information Literacy, the ability to locate, evaluate, and use information, which provides students with skills necessary for life-long learning.

Library resources include approximately 293,000 volumes, 1.8 million microforms, over 3,000 videos, and numerous other materials. There are over 200 reference e-books and over 3,000 other e-books, plus access to thousands of free e-books. About 100,000 complete, online or full-text government documents may also be read through the OSCAR online catalog.

Students must present a valid *GothicNet* identification card to the staff at the Circulation Department to check out library materials. Faculty-reserved books and articles, as well as copies of New Jersey City University master theses, can also be requested at the Circulation Desk. Inquiries should be directed to 201-200-3030.

The Reference Department offers numerous encyclopedias, dictionaries, handbooks, bibliographies, directories, periodical indexes, and abstracts, in print or electronic format. Students are encouraged to call the Reference Department at 201-200-3033 for advice on accessing OSCAR (Online System Catalog for Academic Reference), the online catalog and more than one hundred other electronic databases, as well as for assistance in compiling a bibli-

ography or researching any topic.

The Reference Department provides Information Literacy/bibliographic assistance in using library resources in the John Victor Machuga Technology Center on the first floor. An e-mail reference service is available at [libraryref@njcu.edu](mailto:libraryref@njcu.edu), as well as the 24/7 live reference service Q and A NJ, the MeeboMe instant messaging service, and Google Voice.

The Periodicals and U.S. Government Documents Department currently subscribes to hundreds of printed journals and tens of thousands of e-journals, as well as approximately 10,000 federally produced printed, non-print, and electronic documents each year. Inquiries regarding periodicals should be directed to 201-200-3518. Calls about U.S. Government Documents should be directed to 201-200-3137.

Education Services includes curriculum materials such as courses of study, elementary and secondary textbooks, juvenile encyclopedias, and other teacher education materials on the fourth floor, as well as juvenile fiction on the third floor. Inquiries about Educational Services should be directed to 201-200-3471.

The Congressman Frank J. Guarini Library is technology-based, user friendly, and aesthetically appealing. Each floor has carrels that provide direct Internet access for personal laptop computers. Wireless Internet access is provided on the first and fourth floors. Numerous computers are strategically located on each floor and all provide the same menu access to the automated catalog, periodical holdings, electronic indices, full-text databases, Internet, etc. Databases are accessible from outside the library, and from anywhere in the world, through the library's home page. Students can borrow materials from the library and access databases from off-campus, using their *GothicNet* ID numbers. These databases, which are updated continuously, are accessible on campus and in the library without using Gothic ID numbers. Printed, phone and online, instructions are also available at the library.

The circulation and reference desks are located on the main floor, along with the library information kiosk and the Machuga Technology Center. The second floor contains periodicals, government

documents, Education Services, and Media Services. The third and fourth floors contain the circulating collections, Education Services collections, library administration, and technical services. Each floor provides study carrels, study tables, and comfortable, quiet reading areas.

# OPPORTUNITY SCHOLARSHIP PROGRAM

Vodra Hall, Rm. 211  
201-200-3355  
<http://www.njcu.edu/dept/osp>

Mr. Andrew Platizky, Director  
[aplatzky@njcu.edu](mailto:aplatzky@njcu.edu)

Alexis Delgado, Associate Director  
[adelgado@njcu.edu](mailto:adelgado@njcu.edu)

The Educational Opportunity Fund (EOF) Program, known at New Jersey City University as the Opportunity Scholarship Program (OSP), was made possible by the New Jersey Educational Act of 1968. The intent of the Act was to support the creation of programs to attract students from financially disadvantaged backgrounds who have scholastic potential, but who may not meet traditional admissions criteria set by the institution.

Students accepted into the Program are provided with a wide range of supportive services aimed at addressing their cognitive and affective needs.

## REQUIREMENTS FOR UNDERGRADUATE ELIGIBILITY

### Initial Year Students

To be admitted to the Opportunity Scholarship Program a student must:

1. Be a United States citizen, or permanent resident, or have been granted political asylum;
2. Have been a New Jersey resident for at least one year prior to admission;
3. Have received a high school diploma or a graduate equivalency, General Education diploma (GED);
4. Show financial need according to EOF/OSP eligibility guidelines;
5. Demonstrate potential for academic success;
6. Not meet traditional admissions criteria set up by the institution.

Students interested in applying to the Opportunity Scholarship Program should indicate this on the admissions application and contact the OSP Office, Vodra Hall, Room 211, 201-200-3355.

### Transfer Students

Transfer students are eligible for OSP if they were enrolled in a New Jersey EOF Program

at their previous college, received a "C+" or higher cumulative grade point average (CGPA) at that college and are still financially eligible to receive EOF at New Jersey City University. Students interested should contact the OSP Office at 201-200-3355.

## REQUIREMENTS FOR OSP GRADUATE PROGRAM

An EOF/OSP Graduate Grant is available to students who are enrolled or intend to matriculate into a graduate program at New Jersey City University, are found eligible according to EOF Guidelines, and are taking a full-time course load. For further information, contact the OSP Office at 201-200-3355.

## PRE-FRESHMAN SUMMER PROGRAMS

The Summer Program helps first year students refine classroom skills and assists in developing academic and career objectives. All tuition and fees, books, field trips, and lunches are paid for by OSP, as are summer residential expenses for those students who qualify.

Classes are in session for six weeks, Monday through Thursday, from 8:00 a.m. to 5:00 p.m., usually from late June to early August. Upon successful completion of the Summer Program, students receive a stipend check to help with University expenses.

While components of the program differ from summer to summer, students can expect to be placed in a group organized around a particular subject or goal. Such groups include multiculturalism, psychology, education, history, science, and technology. Throughout the Summer Program, students will receive training in essential math, reading, and writing skills.

Students also attend leadership seminars that help develop personal initiative, a sense of responsibility, and study skills.

## ACADEMIC YEAR SUPPORT

1. Students are provided with a financial aid package based on need and eligibility. They are also able to obtain a bookstore voucher that allows them to charge their books and supplies.
2. Personal counseling and academic monitoring are provided by a staff of counselors and peer counselors who also assist students with career planning and filing for financial aid.

3. A tutorial program, committed to realizing the academic potential of each student, reinforces instruction with supplemental academic support.

# WILLIAM J. MAXWELL COLLEGE OF ARTS AND SCIENCES

Karnoutsos Hall, Rm. 605  
201-200-3001  
<http://web.njcu.edu/dept/cas>

**Dr. Barbara Feldman, Dean**  
[bfeldman@njcu.edu](mailto:bfeldman@njcu.edu)

**Dr. Francis Moran, Associate Dean**  
[fmoran@njcu.edu](mailto:fmoran@njcu.edu)

**Ms. Rosa Perez, Executive Assistant to the Dean**  
[rperez@njcu.edu](mailto:rperez@njcu.edu)

**Ms. Sarah Ambrose-Roman, Assistant to the Dean**  
[sambrose@njcu.edu](mailto:sambrose@njcu.edu)

**Ms. Ella Rue, Assistant to the Dean**  
[erue@njcu.edu](mailto:erue@njcu.edu)

The William J. Maxwell College of Arts and Sciences is a community of teachers and learners committed to cultivating the life of the mind and engendering a passion for knowledge. Seeking to help students achieve their personal academic and career goals, the Maxwell College of Arts and Sciences provides an intellectual setting for the development of scholarship, creativity, and the fundamental cross- and interdisciplinary skills that are the hallmark of a liberal education. In our general studies program students have the opportunity to develop the breadth and depth of their knowledge across the arts, humanities, natural sciences, and social sciences. Through our broad range of academic majors and minors, students pursue in-depth studies and professional learning opportunities in their disciplinary areas of interest. The faculty of the college, committed to nurturing the whole person and motivated by a love for lifelong learning and a desire to impart this to our students, are devoted to their own ongoing formation as teachers and scholars both within and across their disciplines. Central to the mission of the Maxwell College of Arts and Sciences is our commitment to service, leadership, tolerance, ethics, citizenship, and mutual respect. Through our commitment to these core values, we make visible our recognition of the value of diversity in all its richness as the real-life classroom for today's world citizen.

## The Liberal Arts

The basic task of education is to make one's journey through life meaningful. This is accomplished by passing on to succeeding generations the accumulated thoughts, values, and insights of culture and learning, including accomplishments in art, history, language, literature, music, and philosophy—studies which are referred to collectively as the humanities. Education also encompasses scientific questions about the nature of the universe and life on this planet as well as the kinds of people and societies that find such questions important in the first place. These are the focus of studies in the natural and social sciences.

All of this describes the "liberal arts"—the intellectual foundation of a university. That foundation is not viewed as something that is immutable and permanent any more than the bricks and mortar that comprise the buildings and classrooms are. Indeed, learning and critical thinking creates change and the development of new ideas. Being ready to participate in this exciting and ongoing process is a fundamental educational goal of the general studies, disciplinary, and interdisciplinary curriculum at New Jersey City University.

The William J. Maxwell College of Arts and Sciences offers students a broad foundation in the liberal arts through the general studies program and its disciplinary and interdisciplinary majors and minors. These courses of study will prepare students for meaningful careers in a variety of areas. For those students interested in pursuing a course of study that will lead to professional careers, achievement in the liberal arts contributes to the realization of their goals.

## Academic Programs

The following pages list the curriculum requirements for the Arts and Sciences degrees and programs of study available to New Jersey City University students. Note: A course with a prerequisite cannot be taken until the prerequisite is completed. This may mean the completion of specified courses, the attainment of a minimum grade, or the permission of the department chairperson. A course with a corequisite must be taken during the same semester as the corequisite course.

## *Interdisciplinary Studies*

**William J. Maxwell College of Arts and Sciences**  
Karnoutsos Hall, Rm. 605  
201-200-3001

**Ms. Rosa Perez,**  
**Executive Assistant to the Dean**  
[rperez@njcu.edu](mailto:rperez@njcu.edu)

## Course Descriptions

### **INTD 101 ORIENTATION TO COLLEGE (1)**

Incoming students are referred to this course on the basis of their placement test performance. All incoming students with two or more skill deficiencies are required to take this course. The purpose of the course is to provide students with a highly supportive environment in which to explore their personal and career goals and to obtain information about various aspects of the university including but not limited to academic advisement, registration, academic and student support services, academic programs, and financial aid.

### **INTD 120 COMPUTER AS A TOOL (1)**

All students are expected to demonstrate at minimum a basic, introductory level knowledge of the computer. This course presents an overview of the capabilities of the computer and those applications with the most direct impact on the student's college experience. The course offers an introduction to word processing as an aid in writing, basic spreadsheet functions, databases and their uses, computer graphics and their use in graphic art and business, and the use of the computer in tutoring and alternative learning situations.

### **INTD 149 HUMAN AND INTERCULTURAL RELATIONS (3)**

This course explores the intersections of race, class, gender, sexuality, and (dis)ability across the disciplines and boundaries of societies and cultures. Students are introduced to theories of social constructionism and biological essentialism along with analyses of power, privilege, and structures of domination and exploitation. This course can be taken towards satisfying the Area E General Studies requirement.

### **INTD 180 COMPUTER TOOLS FOR SCIENCE AND MATH (3)**

This course offers an introduction to the use of such applications as Derive, Con-  
verge, Geometer's Sketchpad, Matlab,

Maple, Scientific Workplace, and Microsoft Office. Students majoring in mathematics or the natural sciences should consult their departments to determine if this course is required or recommended for their degree track. Note: This course does not substitute for INTD 120 Computer as a Tool.

Prerequisite: INTD 120 Computer as a Tool

### ***Honors Program***

Since its inception, The William J. Maxwell College of Arts and Sciences Honors Program has offered students a challenging and stimulating study of the liberal arts. Students who have graduated from the program benefited from and enjoyed the interdisciplinary and challenging approach to learning that is the hallmark of the program.

As a reflection of its commitment to the Honors Program and its excellence, the College is temporarily suspending the program to assess the program and revise its curriculum. The College is fully devoted to offering our students the most challenging and relevant programs possible. During this hiatus, the College will create an Honors Program that is contemporary and relevant, and which retains its excellence and unique character. While under revision, the University will maintain its membership with the Northeast Regional and National Collegiate Honors Council.

The College anticipates the reintroduction of the Honors Program in the Fall 2012 semester. If you have any questions or would like more information, please contact:

Arts and Sciences Honors Program  
Office of the Dean  
William J. Maxwell College  
of Arts and Sciences  
New Jersey City University  
Karnoutsos Hall, Room 605  
2039 Kennedy Boulevard  
Jersey City, NJ 07305  
201-200-3001

## AFRICAN AND AFRICAN-AMERICAN STUDIES

Karnoutsos Hall, Rm. 505  
201-200-2253  
<http://www.njcu.edu/dept/aas>

Dr. Deborah A. Sanders, Coordinator  
[dsanders@njcu.edu](mailto:dsanders@njcu.edu)

Professor: Sanders  
Associate Professor: Mulumba

The African and African-American Studies Department offers an interdisciplinary and multidisciplinary program of study of the cultures and peoples of Africa and of African descent in the Americas. The department offers a minor program that explores the historical, social, political, and economic experiences of Africans and African-Americans. The objective of the program is to develop committed and well-trained teachers, scholars, and professionals. The program is recommended for liberal arts majors (e.g., Political Science, Sociology,

History, English, and Economics), as well as for students pursuing degrees in education, criminal justice, law, business, and health sciences. Students who are interested in enhancing their ability to work effectively in urban areas will find this minor program to be a valuable and enriching experience. Students interested in developing a global understanding of today's world will find the courses to be helpful in developing an important body of knowledge.

### ***Minor in African and African-American Studies*** (MINIMUM 18 CREDITS)

Students who minor in African and African-American Studies must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
AFRO 101 <sup>1</sup>	The African Diaspora	3
AFRO 108 <sup>1</sup>	African American History	3
AFRO 118 <sup>1</sup>	The Black Experience	3
AFRO 164 <sup>1</sup>	Introduction to African Civilization	3
AFRO 285	Modern Africa	3
<i>Electives: Select a minimum of 3 credits from the courses below.</i>		
AFRO 106 <sup>1</sup>	Black Identity and Culture	3
AFRO 283	African Union Model Assembly	3
<i>Electives: Select 0-3 credits from the courses below, with prior approval from the coordinator.</i>		
ART 108	African and African-American Art	3
ENGL220	Survey of African-American Literature	3
MDT 105	African and African-American Music and Musicians	3
MDT 295	Black Dance I	3
MDT 296	Black Dance II	3
MDT 316	Black Dance Workshop	3

Note: <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

### ***Course Descriptions***

#### **AFRO 101 AFRICAN DIASPORA (3)**

This course studies the history of the slave trade and the cultures that developed among the descendants of Africans in South America, Central America, North America,

and the Caribbean.

#### **AFRO 106 BLACK IDENTITY AND CULTURE (3)**

This course examines the cultural practices of African Americans in the 20th and 21st centuries. Topics discussed include the Harlem Renaissance, the Garvey Move-



ment, the Cultural Arts Movement of the 1960s, and hip hop culture, as well as African American musical traditions such as jazz and blues.

**AFRO 108 AFRICAN-AMERICAN HISTORY (3)**

This course surveys important themes in the history of African Americans including African life before the slave trade, the Atlantic slave trade, the struggle for emancipation and independence, and the struggle for civil rights.

**AFRO 118 THE BLACK EXPERIENCE (3)**

This course offers an examination of the political and social movements of the 20th century with emphasis on the civil rights movement and the black power movements of the 1950s and 1960s.

**AFRO 164 INTRODUCTION TO AFRICAN CIVILIZATIONS (3)**

This course offers students a survey of African civilizations from earliest times to the present. The course highlights the important civilizations of Ancient Egypt, Nubia, Sudan, Ghana, Mali, Songhai, Zimbabwe, and others.

**AFRO 283 AFRICAN UNION MODEL ASSEMBLY (3)**

This course prepares students to participate in a simulation of the African Union annual assembly. Students attend a four-day conference hosted by Howard University to debate and discuss the problems of the countries of the African continent. Students act as diplomatic representatives of selected African nations and have the opportunity to interact with the embassy officials from the country that they represent.

**AFRO 285 MODERN AFRICA (3)**

This course offers an analysis of post-1945 Africa focusing upon the political, economic, and social experiences of African nations. The course traces the evolution of Africa from the colonial period to political independence and analyzes the nation-building process and its impact on the international political economy.

## ART

Visual Arts Building, Rm. 120  
201-200-3214  
<http://www.njcu.edu/dept/art>

**Prof. Herb Rosenberg, Chairperson**  
[hrosenberg@njcu.edu](mailto:hrosenberg@njcu.edu)

**Professors: Campbell, McNeill, Plosky, Rodeiro, Rosenberg, Statlander,**

**Associate Professors: Altamura, Bastidas, Dittrich, Kruck, MacBain, Quinn, Yoshimoto**

**Assistant Professors: Gustafson, Jack, Raverty**

The Art Department of New Jersey City University is an accredited institutional member of the National Association of Schools of Art and Design since 1976.

Our mission is to encourage the development of our students as artists, designers, scholars, and leaders capable of excelling in a complex, rapidly changing society. The faculty of the Art Department, in support of the Urban Mission of the University, is

committed to facilitating the outstanding achievement of every student in our program, to help each realize their goals, and to aid them in their development. Emphasis is placed on developing an understanding of the multiplicity of roles for the creative person in a contemporary urban society. Our program is dedicated to taking advantage of the cultural diversity of the greater metropolitan area. We recognize and stress the importance of balancing history and tradition with contemporary aesthetic ideas, skills, techniques and technologies.

The Art Department offers more than one degree track. The Bachelor of Arts degree requires 58 credits and the Bachelor of Fine Arts degree, which is offered with a variety of specializations, requires 83 credits.

Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

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Bachelor of Fine Arts in Art—Communication Design: Graphic Design,	p. 56
Bachelor of Fine Arts in Art—Communication Design: Illustration,	p. 57
Bachelor of Fine Arts in Art—Design and Crafts: Ceramics,	p. 58
Bachelor of Fine Arts in Art—Design and Crafts: Jewelry/Metals,	p. 59
Bachelor of Fine Arts in Art—Fine Arts: Painting/Drawing,	p. 60
Bachelor of Fine Arts in Art—Fine Arts: Printmaking,	p. 61
Bachelor of Fine Arts in Art—Fine Arts: Sculpture,	p. 62
Bachelor of Fine Arts in Art—Photography,	p. 63
Bachelor of Arts in Art—Art History	p. 64
Bachelor of Arts in Art—Art Therapy	p. 65
Bachelor of Arts in Art—Communication Design: Digital Design and Illustration	p. 66
Bachelor of Arts in Art—Communication Design: Graphic Design	p. 66
Bachelor of Arts in Art—Communication Design: Illustration	p. 67
Bachelor of Arts in Art—Design and Crafts: Ceramics	p. 67
Bachelor of Arts in Art—Design and Crafts: Jewelry/Metals	p. 68
Bachelor of Arts in Art—Fine Arts: Painting/Drawing	p. 68
Bachelor of Arts in Art—Fine Arts: Printmaking	p. 69
Bachelor of Arts in Art—Fine Arts: Sculpture	p. 69
Bachelor of Arts in Art—Photography	p. 70
New Jersey Art Teacher Certification (P-12),	p. 71
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## Bachelor of Fine Arts (BFA) in Art Degree Program

The Art Department offers students a Bachelor of Fine Arts that requires 83 credits of Art courses. The BFA program is offered in the following Specializations:

- Communication Design, with concentrations in Illustration, Digital Design, Illustration Design, and Graphic Design
- Design & Crafts, with concentrations in Jewelry/Metals and Ceramics
- Fine Arts, with concentrations in Drawing/ Painting, Printmaking and Sculpture
- Photography

### ADMISSION INTO THE BFA PROGRAM

Admission to and retention within the Bachelor of Fine Arts program requires a 2.5 overall cumulative grade point average (CGPA) and a 3.0 CGPA in Art courses. Students wishing to enter the BFA degree program are strongly urged to register their names with the Art Department BFA Coordinator during the first week of their first semester at New Jersey City University for early advisement. BFA candidates must complete the foundation art courses, including required art history courses, before entering the BFA program.

### GENERAL STUDIES PROGRAM REQUIREMENTS FOR BFA STUDENTS

Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F. Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, below.

### COMPLETION OF THE BFA PROGRAM

To be eligible for the BFA degree, the candidate must:

1. Pass the BFA Junior Year Portfolio Review: The BFA Junior Portfolio Review is conducted only during fall semesters.

To be eligible for the BFA Junior Review, the student must meet the following requirements:

- Complete all of the courses in the Foundation Program with a grade of B or above;
  - Complete at least 64 credits and 12 credits in their art area specialization;
  - Achieve and maintain a 2.5 CGPA;
  - Achieve and maintain a 3.0 CGPA in art courses.
2. Successfully complete the BFA Mentor Program: A student who successfully completes the BFA Junior Year Portfolio Review selects a full-time faculty member of the Art Department to be her/his mentor. The student works on an individual basis with her/his mentor biweekly until graduation, for a minimum of three semesters. The Mentor Program is designed to give each student an in-depth experience in the creative process, which includes studio work and written/oral components. In addition, student and mentor participate in the BFA Senior Seminar in the student's final semester, for which the student earns 1 credit. Students are required to submit time sheets, recording their meetings over three semesters with the mentor.
  3. Pass the BFA Senior Year Faculty Review: At the end of the senior year, students are required to present 25% of their completed work for their exhibitions to a review panel composed of the entire art faculty. The installation of the Senior Exhibition is contingent upon successfully passing this review.
  4. Complete the BFA Seminar (ART 465): This 1-credit course must be completed during the senior year. See course listing, above.
  5. Successfully complete the BFA Senior Exhibition: Each student will present his/ or her work, in a professional manner, as either an individual or group exhibition. BFA Senior Exhibitions are hung only during the spring semester of each academic year and are restricted to one of the two Art Department galleries. Students must complete all course work required for graduation during the spring semester of their Senior Exhibition.
  6. Successfully complete the BFA Thesis Book: Each student is required to complete a BFA Thesis Exhibition Book containing all required work, which includes

professional quality slides of their Senior Exhibition/Portfolio.

### TRANSFER STUDENTS WISHING TO ENTER THE BFA PROGRAM

All transfer students must take the Art Department Foundation Courses, unless waived by the Chairperson, based on reviews of their portfolios.

### COURSE ALLOCATION

A minimum of fifty percent of all Art courses must be taken at New Jersey City University. Transfer credits in Art will be evaluated by the student's faculty advisor, based on review of transcripts and portfolio, as well as the descriptions of courses and credits from other institutions.

### BA TO BFA CONVERSION GUIDE

Fifty-six of the 83 required art credits must be completed at New Jersey City University. A maximum of 27 credits may be transferred. Forty to 50 credits must be taken in a specialization area within the major. All BFA transfer students must submit a portfolio, and any additional required courses must be completed under faculty advisement.

### BA AND BFA TRANSFER STUDENTS

Transfer students must fulfill all requirements outlined above, regardless of the number of credits transferred. Students must also be in residence during the final year at New Jersey City University.

### BACHELOR OF ARTS (BA) IN ART DEGREE PROGRAM

The Bachelor of Arts degree is a liberal arts program that provides a strong course of study in art. The Bachelor of Arts program provides a broad academic degree with a specialization in art. It is awarded after successful completion of 58 credits from the Art Department (the BA in Art Therapy program has more extensive requirements, see below), 66 credits from General Studies Program courses, and 4 elective credits.

The Bachelor of Arts program is offered in the following Specializations:

- Art History
- Art Therapy
- Communication Design, with concentrations in Illustration, Digital Design and Illustration, and Graphic Design
- Design & Crafts, with concentrations in Jewelry/Metals, and Ceramics

- Fine Arts, with concentrations in Drawing/Painting, Printmaking and Sculpture
- Photography

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

For the most current information, students are directed to the University website at [www.njcu.edu](http://www.njcu.edu).

***Bachelor of Fine Arts in Art  
Communication Design  
Specialization: Digital Design and Illustration Concentration  
(MINIMUM 83 CREDITS)***

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see *page 54* for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 185	Computer Graphics	3
ART 230	Photography I	3
ART 232	History of Communication Design	3
ART 233*	Preparation of Art for Printing	3
ART 235*	Illustration	3
ART 237*	Typography	3
ART 283*	Communication Design Techniques	3
ART 310*	Digital Illustration I	3
ART 343*	Advertising Design	3
ART 357*	Digital Imaging in Photography	3
ART 425*	Digital Illustration II	3
ART 430*	Web Design	3
ART 447*	Corporate Publication Design	3
ART 448*	Information Design	3
ART 450*	Portfolio Preparation	1
ART 465*	Bachelor of Fine Arts Seminar	1
ART 490*	Honors in Art I	3

*Electives: Select a minimum of 18 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Fine Arts in Art  
Communication Design  
Specialization: Graphic Design  
Concentration***

**(MINIMUM 86 CREDITS)**

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see *page 54* for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 232	History of Communication Design	3
ART 233*	Preparation of Art for Printing	3
ART 234*	Lettering and Type Design	2
ART 235*	Illustration	3
ART 237*	Typography	3
ART 238*	Drawing for Designers and Illustrators	3
ART 283*	Communication Design Techniques	3
ART 310*	Digital Illustration I	3
ART 315*	Book and Magazine Design	2
ART 343*	Advertising Design	3
ART 344*	Advanced Advertising Design	3
ART 422*	Packaging Design	2
ART 425*	Digital Illustration II	3
ART 430*	Web Design	3
ART 447*	Corporate Publication Design	3
ART 448*	Information Design	3
ART 450*	Portfolio Preparation	1
ART 465*	Bachelor of Fine Arts Seminar	1
ART 490*	Honors in Art I	3

*Electives: Select a minimum of 18 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

**Bachelor of Fine Arts in Art  
Communication Design  
Specialization: Illustration  
Concentration**

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see *page 54* for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 232	History of Communication Design	3
ART 207*	Painting Fundamentals	3
ART 214*	Drawing and Composition II	3
ART 219*	Life Drawing I	3
ART 230	Photography I	3
ART 234*	Lettering and Type Design	2
ART 235*	Illustration	3
ART 236*	Advanced Illustration	3
ART 238*	Drawing for Designers & Illustrators	3
ART 243*	Rendering Techniques	3
ART 245*	Color Theory	3
ART 280*	Drawing for Cartoons and Animation	3
ART 283*	Communication Design Techniques	3
ART 285*	Illustration Research Project	3
ART 305*	Life Drawing II	3
ART 310*	Digital Illustration I	3
ART 343*	Advertising Design	3
ART 425*	Digital Illustration II	3
ART 450*	Portfolio Preparation	1
ART 465*	Bachelor of Fine Arts Seminar	1
ART 490*	Honors in Art I	3

*Electives: Select a minimum of 7 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

### ***Bachelor of Fine Arts in Art Design and Crafts Specialization: Ceramics Concentration***

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see *page 54* for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

Course Code	Course Title	Credits
<i>Required</i>		
ART 104 <sup>1</sup>	Ceramics I	3
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 214*	Drawing and Composition II	3
ART 219*	Life Drawing I	3
ART 222*	Ceramics II	3
ART 303*	Ceramics III	3
ART 304*	Ceramic Sculpture	3
ART 406*	Advanced Ceramics	3
ART 465*	Bachelor of Fine Arts Seminar	1
ART 490*	Honors in Art I	3
ART 491*	Honors in Art II	3
ART 492*	Independent Study	3

*Restricted electives: Select a minimum of six credits in Art craft courses, in consultation with a faculty advisor.*

*Electives: Select a minimum of 22 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Fine Arts in  
Art Design and Crafts  
Specialization: Jewelry/Metals  
Concentration***

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see **page 54** for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 212	Metalsmithing I	3
ART 214*	Drawing and Composition II	3
ART 218	Jewelry I	3
ART 219*	Life Drawing I	3
ART 312*	Metalsmithing II	3
ART 319*	Jewelry II	3
ART 324	Casting for Jewelers	3
ART 409*	Enameling for Jewelers	3
ART 410*	Advanced Jewelry	3
ART 465*	Bachelor of Fine Arts Seminar	1
ART 490*	Honors I	3
ART 491*	Honors in Art II	3

*Restricted electives: Select a minimum of six credits in Art craft courses, in consultation with a faculty advisor.*

*Electives: Select a minimum of 19 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Fine Arts in Art  
Fine Arts Specialization:  
Painting/Drawing  
Concentration***

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see *page 54* for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 185	Computer Graphics	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 213*	Technical Drawing	3
ART 214*	Drawing & Composition II	3
ART 216*	Sculpture I	3
ART 219*	Life Drawing I	3
ART 230	Photography I	3
ART 245*	Color Theory	3
ART 300*	Portrait Painting	3
ART 305*	Life Drawing II	3
ART 309*	Introduction to Printmaking: Screen Printing	3
ART 404*	Figure Painting	3
ART 405*	Experimental Painting	3
ART 415*	Studio Painting	3
ART 465*	Bachelor of Fine Arts Seminar	1

*Electives: Select a minimum of 19 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.



***Bachelor of Fine Arts in Art  
Fine Arts Specialization:  
Printmaking Concentration***

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see **page 54** for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 185	Computer Graphics	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 213*	Technical Drawing	3
ART 214*	Drawing and Composition II	3
ART 216*	Sculpture I	3
ART 219*	Life Drawing I	3
ART 230	Photography I	3
ART 245*	Color Theory	3
ART 305*	Life Drawing II	3
ART 307*	Relief Printing and the Art of Manga	3
ART 308*	Intaglio Printing	3
ART 309*	Introduction to Printmaking: Screen Printing	3
ART 311*	Lithography and Digital Printing	3
ART 354*	Photographics	3
ART 412*	Advanced Printmaking	3
ART 465*	Bachelor of Fine Arts Seminar	1

*Electives: Select a minimum of 16 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Fine Arts in Art  
Fine Arts Specialization:  
Sculpture Concentration***

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see *page 54* for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 185	Computer Graphics	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 212	Metalsmithing I	3
ART 214*	Drawing and Composition II	3
ART 216*	Sculpture I	3
ART 219*	Life Drawing I	3
ART 230	Photography I	3
ART 245*	Color Theory	3
ART 309*	Introduction to Printmaking: Screen Printing	3
ART 316*	Sculpture II	3
ART 402*	Sculpture III	3
ART 465*	Bachelor of Fine Arts Seminar	1
ART 490*	Honors in Art I	3
ART 492*	Independent Study	3
<i>Restricted electives: Select a minimum of nine credits from the following courses.</i>		
ART 213*	Technical Drawing	3
ART 304*	Ceramic Sculpture	3
ART 305*	Life Drawing II	3
ART 307*	Relief Printing and the Art of Manga	3
ART 308*	Intaglio Printing	3
ART 311*	Lithography and Digital Printing	3

*Electives: Select a minimum of 13 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

### ***Bachelor of Fine Arts in Art Photography Specialization***

Acceptance into the BFA degree sequence requires: a 2.5 overall CGPA, a 3.0 CGPA in art, a positive faculty evaluation of the student's junior-year review of work, completion of 12 credits in the concentration, and passing course grades in the Foundation Courses. Please see **page 54** for BFA admission requirements.

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** Students in the BFA program are required to complete 45 credits in General Studies Program requirements and electives. These include the All-University Requirement (AUR) courses (18 credits) and 27 credits of Area A–F elective courses. BFA students are required to complete three credits in each General Studies Program area (A–F), plus an additional three credits in each of three different areas selected from areas A–F.

Students seeking Art Teacher Certification must complete specific courses within the General Studies Program, as required by the State of New Jersey. Students seeking Art Teacher Certification should refer to the Art Teacher Certification program section, above.

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 120	History of Photography	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 230	Photography I	3
ART 244*	Large Format Photography	3
ART 350*	Photography II	3
ART 351*	Color Photography I	3
ART 356*	Advanced Darkroom Techniques	3
ART 357*	Digital Imaging in Photography	3
ART 465*	Bachelor of Fine Arts Seminar	1
ART 490* <sup>2</sup>	Honors in Art I	3
<i>Restricted electives: Select a minimum of 12 credits from the following Art courses.</i>		
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 308*	Intaglio Printing	3
ART 309*	Introduction to Printmaking: Screen Printing	3
ART 311*	Lithography and Digital Printing	3
<i>Restricted electives: Select a minimum of 18 credits from the following Photography courses.</i>		
ART 352*	Studio Lighting for Photography	3
ART 353*	Documentary Photojournalism	3
ART 354*	Photographics	3
ART 358*	Advanced Digital Imaging	3
ART 444*	Photography as Fine Art	3
ART 445*	Professional Applications of Photography	3
ART 451*	Location Photography	3

*Electives: Select a minimum of six credits in Art courses other than Photography courses.*

*Electives: Select a minimum of four credits in Art courses, Photography courses, and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Recommended for Fall semester.

***Bachelor of Arts in Art  
Art History Specialization***

**(MINIMUM 58 CREDITS)**

There are no departmental requirements for admission to this degree-track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or co-requisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Art History majors are strongly encouraged to select Modern Languages courses as General Studies Program area E electives.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 202	Philosophies of Art	3
<i>Restricted electives: Select 18 credits from the following courses.</i>		
ART 108	African/African American Art	3
ART 215*	Research and Documentation in Art	3
ART 260	Ancient Art	3
ART 261	Medieval Art	3
ART 262	Pre-Colonial and Colonial Art	3
ART 265	Art in the United States of America	3
ART 266	Women Artists	3
ART 267	Art of Spain	3
ART 268	Pre-Columbian Art	3
ART 269	Asian Art	3
ART 321	Renaissance Art	3
ART 325	Modern Art	3
ART 326	Seventeenth and Eighteenth Century Art	3
ART 327	Art of Latin America	3
ART 328	Classical Art	3
ART 330	Gallery Management I	3
ART 331*	Gallery Management II	3
ART 514	Intercultural Art	3

*Electives: Select a minimum of 19 credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Note:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

### ***Bachelor of Arts in Art Art Therapy Specialization***

#### **(MINIMUM 89 CREDITS)**

There are no departmental requirements for admission to this degree-track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or co-requisite courses. These prerequisites and corequisites are listed with the course descriptions that follow. While some students do choose to work after graduation, the Art Therapy specialization is designed as preparation for graduate work.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 250	Introduction to Art Therapy	3
ART 301*	Methods and Techniques in Art Therapy	3
ART 403*	Group Art Therapy	3
ART 490*	Honors in Art I	3
ART 510*	Case Studies in Art Therapy I	3
MDT 101 <sup>2</sup>	Survey of Music	3
MDT 115	Dance Techniques—Modern	3
PSYC 110 <sup>2</sup>	Introduction to Psychology	3
PSYC 301*	Abnormal Psychology	3
PSYC 345*	Personality Theory	3
PSYC 372*	Introduction to Counseling	3
SOCI 111 <sup>2</sup>	Principles of Sociology	3
SOCI 141 <sup>2</sup>	Cultural Anthropology	3
SOCI 243	Death & Dying	3
SPEC 250	Introduction to Education and Psychology of Exceptional Children and Youth	3
SPFD X320	Seminar in Cooperative Education	8
<i>Restricted electives: Select a minimum of three credits from Art History courses.</i>		
<i>Restricted electives: Select a minimum of 15 credits as one of the following tracks of studio courses.</i>		
Three-Dimensional Art Track:		
ART 104 <sup>1</sup>	Ceramics I	3
ART 216*	Sculpture I	3
ART 316*	Sculpture II	3
ART XXX	Three-Dimensional Art electives	6
Two-Dimensional Art Track:		
ART 207*	Painting Fundamentals	3
ART 219*	Life Drawing I	3
ART XXX	Two-Dimensional Art electives	6
ART XXX	Printmaking elective	3
Crafts Track:		
ART 1041	Ceramics I	3
ART 222*	Ceramics II	3
ART 212	Metalsmithing I	3
ART 218*	Jewelry I	3
ART 319*	Jewelry II	3
Photography Track:		
ART 230	Photography I	3
ART 350*	Photography II	3
ART 351*	Color Photography	3
ART 357*	Digital Imaging	3
ART XXX	Photography elective	3

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement.

See **page 26**—“Undergraduate Requirements.”

***Bachelor of Arts in Art  
Communication Design  
Specialization: Digital Design  
and Illustration Concentration***  
(MINIMUM 58 CREDITS)

There is a required portfolio review for students upon completion of Art 283 (Communication Design Techniques).

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or co-requisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 230	Photography	3
ART 232	History of Communication Design	3
ART 233*	Preparation of Art for Printing	3
ART 235*	Illustration	3
ART 237*	Typography	3
ART 283*	Communication Design Techniques and Portfolio Review	3
ART 310*	Digital Illustration I	3
ART 343*	Advertising Design	3
ART 357*	Digital Imaging in Photography	3
ART 425*	Digital Illustration II	3
ART 430*	Web Design	3
ART 448*	Information Design	3
ART 450*	Portfolio Preparation	1

*Electives: Select a minimum of three credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in Art  
Communication Design  
Specialization: Graphic  
Design Concentration***  
(MINIMUM 59 CREDITS)

There is a required portfolio review for students upon completion of Art 283 (Communication Design Techniques).

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or co-requisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 232	History of Communication Design	3
ART 233*	Preparation of Art for Printing	3
ART 234*	Lettering and Type Design	2
ART 235*	Illustration	3
ART 237*	Typography	3
ART 238*	Drawing for Designers and Illustrators	3
ART 283*	Communication Design Techniques and Portfolio Review	3
ART 310*	Digital Illustration I	3
ART 315*	Book and Magazine Design	2
<i>or</i>		
ART 422*	Packaging Design	2
ART 343*	Advertising Design	3
ART 344*	Advanced Advertising Design	3
ART 425*	Digital Illustration II	3
ART 430*	Web Design	3
ART 447*	Corporate Publication Design	3
<i>or</i>		
ART 448*	Information Design	3
ART 450*	Portfolio Preparation	1

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in Art  
Communication Design  
Specialization: Illustration  
Concentration***

**(MINIMUM 58 CREDITS)**

There is a required portfolio review for students upon completion of Art 283 (Communication Design Techniques).

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and co-requisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 213*	Technical Drawing	3
ART 219*	Life Drawing I	3
ART 232	History of Communication Design	3
ART 233*	Preparation of Art for Printing	3
ART 235*	Illustration	3
ART 236*	Advanced Illustration	3
ART 238*	Drawing for Designers & Illustrators	3
ART 243*	Rendering Techniques	3
ART 283*	Communication Design Techniques	3
ART 285*	Illustration Research Project	3
ART 310*	Digital Illustration I	3
ART 425*	Digital Illustration II	3
ART 450*	Portfolio Preparation	1

*Electives: Select a minimum of three credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in Art  
Design and Crafts Specializa-  
tion: Ceramics Concentration***

**(MINIMUM 58 CREDITS)**

There are no departmental requirements for admission to this degree track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 104 <sup>1</sup>	Ceramics I	3
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 214*	Drawing and Composition II	3
ART 219*	Life Drawing I	3
ART 222*	Ceramics II	3
ART 303*	Ceramics III	3
ART 304*	Ceramic Sculpture	3
ART 406*	Advanced Ceramics	3
ART 490*	Honors I	3

*Electives: Select a minimum of ten credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in  
Art Design and Crafts  
Specialization: Jewelry/Metals  
Concentration***

**(MINIMUM 58 CREDITS)**

There are no departmental requirements for admission to this degree track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 212	Metalsmithing I	3
ART 214*	Drawing and Composition II	3
ART 218	Jewelry I	3
ART 219*	Life Drawing I	3
ART 312*	Metalsmithing II	3
ART 319*	Jewelry II	3
ART 324	Casting for Jewelers	3
ART 409*	Enameling for Jewelers	3
ART 410*	Advanced Jewelry	3
ART 490*	Honors I	3

*Electives: Select a minimum of four credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in Art  
FINE ARTS SPECIALIZATION: PAINTING/  
DRAWING CONCENTRATION (MINIMUM  
58 CREDITS)***

There are no departmental requirements for admission to this degree track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 185	Computer Graphics	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 213*	Technical Drawing	3
ART 214*	Drawing and Composition II	3
ART 216*	Sculpture I	3
ART 219*	Life Drawing I	3
ART 230*	Photo I	3
ART 245*	Color Theory	3
ART 305*	Life Drawing II	3
ART 309*	Intro to Printmaking: Screen Printing	3

*Restricted electives: Select a minimum of six credits from the following courses.*

ART 300*	Portrait Painting	3
ART 404*	Figure Painting	3
ART 405*	Experimental Painting	3
ART 415*	Studio Painting	3

*Elective: Select a minimum of one credit in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.



**Bachelor of Arts in Art  
Fine Arts Specialization:  
Printmaking Concentration  
(MINIMUM 58 CREDITS)**

There are no departmental requirements for admission to this degree track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 185	Computer Graphics	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 213*	Technical Drawing	3
ART 214*	Drawing and Composition II	3
ART 216*	Sculpture I	3
ART 219*	Life Drawing I	3
ART 230*	Photography I	3
ART 245*	Color Theory	3
ART 305*	Life Drawing II	3
ART 309*	Introduction to Printmaking: Screen Printing	3
<i>Restricted electives: Select a minimum of six credits from the following courses.</i>		
ART 307*	Relief Printing and the Art of Manga	3
ART 308*	Intaglio Printing	3
ART 311*	Lithography and Digital Printing	3
ART 354*	Photographics	3
ART 412*	Advanced Printmaking	3

*Elective: Select a minimum of one credit in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

**Bachelor of Arts in Art  
FINE ARTS SPECIALIZATION:  
SCULPTURE CONCENTRATION  
(MINIMUM 58 CREDITS)**

There are no departmental requirements for admission to this degree track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 185	Computer Graphics	3
ART 202	Philosophies of Art	3
ART 207*	Painting Fundamentals	3
ART 213*	Technical Drawing	3
ART 214*	Drawing and Composition II	3
ART 216*	Sculpture I	3
ART 219*	Life Drawing I	3
ART 230*	Photography I	3
ART 245*	Color Theory	3
ART 305*	Life Drawing II	3
ART 309*	Introduction to Printmaking: Screen Printing	3
<i>Restricted electives: Select a minimum of six credits from the following courses.</i>		
ART 304*	Ceramics Sculpture	3
ART 316*	Sculpture II	3
ART 402*	Sculpture III	3
ART 492	Independent Study	3

*Elective: Select a minimum of one credit in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

**Bachelor of Arts in Art****PHOTOGRAPHY SPECIALIZATION****(MINIMUM 58 CREDITS)**

There are no departmental requirements for admission to this degree track.

Course requirements for completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** The Bachelor of Arts in Art program is currently under review and revision. Please check with the Art Department for the latest curriculum and other degree requirements.

Course Code	Course Title	Credits
<i>Required</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three Dimensional Design	3
ART 120	History of Photography	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 230	Photography I	3
ART 244*	Large Format Photography	3
ART 350*	Photography II	3
ART 351*	Color Photography I	3
ART 356*	Advanced Darkroom Techniques	3
ART 357*	Digital Imaging in Photography	3
<i>Restricted electives: Select a minimum of nine credits from the following courses.</i>		
ART 352*	Studio Lighting for Photography	3
ART 353*	Documentary Photojournalism	3
ART 354*	Photographics	3
ART 358*	Advanced Digital Imaging	3
ART 444*	Photography as Fine Art	3
ART 445*	Professional Applications of Photography	3
ART 451*	Location Photography	3
<i>Electives: Select a minimum of six credits of non-photography Art courses. The following courses are recommended.</i>		
ART 202	Philosophies of Art	3
ART 308*	Intaglio Printing	3
ART 309*	Introduction to Printmaking: Screen Printing	3
ART 311*	Lithography and Digital Printing	3

*Elective: Select a minimum of four credits in Art courses and/or SPFD X320 (Seminar in Cooperative Education).*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

## ***Art Teacher (P-12) Certification Program***

### **(MINIMUM 64 CREDITS)**

The New Jersey City University Art Teacher Certification Program (ATCP) prepares the art student to become a professional art teacher for grades Preschool through 12 in the State of New Jersey through a holistic approach to instruction that examines teaching and learning in the discipline of art. The New Jersey City University Reflective Urban Practitioner Framework of knowledge, skills, and dispositions provides the foundation for the program.

The ATCP is not itself a major or degree program, but can accompany a Bachelor of Arts, Bachelor of Fine Arts degree, Master of Arts, or Master of Arts degree in Art, in any concentration. Students who have already received a Bachelor of Arts or Bachelor of Fine Arts degree at an accredited university or college can enter a certification-only program through Provisional Admission to the ATCP.

Admission to the ATCP requires a minimum CGPA of 2.75 and two letters of recommendation. Students apply directly to the Art Department for admission to the ATCP after admission to New Jersey City University. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the College of Education Writing Assessment prior to ART 1331 (Practicum) and the Praxis exams 10133 Art: Content Knowledge prior to ART 469 (Internship I).

The education sequence courses should be taken closely together, during the last few semesters of the candidates' degree/certification program. ART 520 (Foundations and Goals in Art Education) and ART 530 (Professional Practices in Art Education) must be taken no more than 2 semesters prior to ART 1331 and ART 469. Applications for the Practicum and Internship I must be filed one academic year in advance of the placements with the ATCP Coordinator. This paperwork cannot be filed without a passing grade on the College of Education Writing Assessment.

Students who are interested in the Art Teacher Certification Program must contact

Prof. Winifred McNeill, ATCP Coordinator, for additional information about the program.

### **PROVISIONAL ADMISSION TO THE ATCP**

Provisional admission to the ATCP may be granted to students who meet the following requirements:

1. Enrollment in the New Jersey City University BA or BFA in Art degree program, or an earned BA, BFA, MA or MFA in Art degree an accredited institution;
2. A minimum CGPA of 2.75, with minimum grades of B- in Foundation Studio and Art History courses;
3. Two letters of recommendation, from persons with whom the candidate has had a professional relationship, indicating that the candidate has the personal disposition to successfully complete the ATCP;
4. A range of knowledge and skill in studio art, including demonstrated skill in Art Foundation studio courses. Additional art classes may be required to fulfill studio requirements for certification;
5. A Portfolio Review.

### **REQUIREMENTS FOR CONTINUATION IN THE ATCP**

1. A minimum CGPA of 2.75, with minimum grades of B- in all Education courses and C in all General Studies Program courses required for certification: MATH 112 (Intermediate Algebra), BIOL 103 (Human Sexual Biology) or BIOL 104 (The Human Body), PSYC 150 (Developmental: Birth through Adolescence), SOCI 114 (Sociology of the Family), and INTD 149 (Human and Intercultural Relations);
2. Portfolio Review: Demonstrating knowledge and skill in at least one area of art production and a high level of skill in their personal artwork, knowledge of art history, understanding of aesthetic concepts, and proficiency in both verbal and written art criticism;
3. Artist Statement: Demonstrating a personal vision as an artist and correct usage of the English language, including grammar, spelling, punctuation and art terminology;
4. A passing grade in the College of

Education Writing Assessment prior to enrolling in ART 1331 (Practicum);

5. A passing grade on and the Praxis exams 10133 Art: Content Knowledge 2 semesters prior to placement in ART 469 (Internship I);
6. Active Student membership in the Art Educators of New Jersey association is required. Active student membership in the National Art Educators Association is strongly advised.

### **REQUIREMENTS FOR COMPLETION OF THE ATCP**

1. Successful completion of all course requirements with a minimum CGPA of 2.75, minimum grades of B- in all Art Education courses, and minimum grades of B in ART 1331 (Practicum) and ART 469 (Internship I);
2. Letter of Recommendation from at least one Co-Operating Teacher;
3. A completed Teacher Portfolio, as described in the Art Internship course requirements.

Course requirements for completion are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact Prof. Winifred McNeill, ATCP Coordinator, as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required Art Foundations courses</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 106	Contemporary Art	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
<i>Required Art History courses</i>		
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 202	Philosophies of Art	3
<i>Restricted electives: Select six credits from the following courses.</i>		
ART 104 <sup>1</sup>	Ceramics	3
ART 216*	Sculpture I	3
ART 218	Jewelry I	3
<i>Restricted electives: Select a minimum of six credits from the following courses.</i>		
ART 102 <sup>1</sup>	Principles of Painting	3
ART 207*	Painting Fundamentals	3
ART 214*	Drawing and Composition II	3
ART 219*	Life Drawing I	3
ART 235*	Illustration	3
ART 243*	Rendering Techniques	3
<i>Restricted electives: Select a minimum of six credits from the following courses.</i>		
ART 185	Computer Graphics	3
ART 230	Photography I	3
ART 310	Digital Illustration I	3
ART 309	Introduction to Printing Making:	
	Screen Printing	3
ART 425*	Digital Illustration II	3
<i>Required General Studies Program courses</i>		
BIO 103 <sup>2</sup>	Human Sexual Biology	3
or		
BIO 104 <sup>2</sup>	The Human Body	3
PSY 150 <sup>2</sup>	Developmental: Birth Through Adolescence	3
SOC 114 <sup>2</sup>	Sociology of the Family	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
<i>Education Sequence, to be taken during the last semesters of the candidate's degree/certification program.</i>		
EDU 301	Challenges in Urban Education	3
LTED 330	Focus: Reading, Language and Literacy	3
EDU 330*	Focus: Development, Behavior and Learning	3
ART 520* <sup>3</sup>	Foundations and Goals in Art Education	3
ART 530* <sup>3</sup>	Professional Practices in Art Education	3
ART 1331* <sup>4,6</sup>	Practicum	1
ART 469* <sup>5,6</sup>	Internship I	8
ART 501*	Art Classroom Management	1

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

<sup>3</sup>Must be taken no more than 2 semesters prior to ART 1331 and ART 469.

<sup>4</sup>Candidates must pass the Writing Assessment prior to ART 1331.

<sup>5</sup>Candidates must pass the Praxis exam 10133 Art: Content Knowledge prior to ART 469.

<sup>6</sup>Candidates must apply for ART 1331 and ART 469 with the ATCP Coordinator one year prior to the placement.

**Minor in Art****(MINIMUM 18 CREDITS)**

Students who minor in Art must complete one of the following sequences of courses. Students may choose to minor in Art in the following areas: Art History and Studio Art.

Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**MINOR IN ART—ART HISTORY**

A minor in art may focus on art history and is attained by completing the following course requirements (18–24 credits).

Course Code	Course Title	Credits
<i>Restricted electives: Select a minimum of six credits from the following courses.</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 185	Computer Graphics	3

*Restricted electives: Select a minimum of nine credits of art history courses numbered 200 and higher.*

*Restricted electives: Select a minimum of three credits of studio art courses, in consultation with a faculty advisor.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

**MINOR IN ART—STUDIO ART**

A minor in art may focus on studio art in any of the available concentrations (Ceramics, Digital Design & Illustration, Drawing, Graphic Design, Illustration, Jewelry and Metals, Painting, Photography, Printmaking and Sculpture) and is attained by completing the following course requirements (18–24 credits).

Course Code	Course Title	Credits
<i>Restricted electives: Select a minimum of six credits from the following courses.</i>		
ART 105 <sup>1</sup>	Drawing and Composition I	3
ART 110	Two-Dimensional Design	3
ART 111	Three-Dimensional Design	3
ART 185	Computer Graphics	3

*Restricted electives: Select a minimum of nine credits of studio art courses from a single concentration, in consultation with a faculty advisor.*

*Restricted electives: Select a minimum of three credits of art history courses, in consultation with a faculty advisor.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

## Course Descriptions

### ART 102 PRINCIPLES OF PAINTING (3)

This Fine Arts general studies course combines classroom studio painting and research writing. The course researches painting techniques and styles. A museum visit is required. Students compile information on different painting techniques and materials, which is then presented in written comparative essays and classroom studio painting.

### ART 104 CERAMICS I (3)

This course provides basic experiences with clay and those techniques common to pottery and ceramic sculpture, with an emphasis on Three-Dimensional design concepts and the technique of hand building.

### ART 105 DRAWING AND COMPOSITION I (3)

This course provides experiences with drawing in a variety of media, with particular emphasis on the development of visual perception, technical facility, and the ability to organize the picture plane.

### ART 106 CONTEMPORARY ART (3)

An introduction to contemporary trends in painting, sculpture, crafts, and architecture since 1945, including a consideration of their relationship to antecedent art movements and to contemporary society is presented in this course.

### ART 107 AFRICAN-AMERICAN WORKSHOP (3)

This is a studio course centered on the creation of art works from the Black experience and includes field trips to art exhibitions, theatre, music, and dance programs.

### ART 108 AFRICAN AND AFRICAN-AMERICAN ART (3)

This survey of West African and African American art emphasizes the unique cultural factors that influence the art forms of these Black cultures.

### ART 110 TWO-DIMENSIONAL DESIGN (3)

This course explores the various approaches to Two-Dimensional design creation, media, and techniques. Emphasis is placed on the development of creative compositions through the application of the principles of design and an understanding of the art elements: line, form, color, texture, and space.

### ART 111 THREE-DIMENSIONAL DESIGN (3)

This course offers students an opportunity to develop knowledge, skills, and an understanding of design problems in living space. Basic problem solving of visual space relationships are the foundation of the course. The course teaches critical thinking concepts, through various materials which students will be able to use to realize their

ideas, and issues unique to 3-D aesthetics.

### ART 120 HISTORY OF PHOTOGRAPHY (3)

This course traces the development of photography from its prehistory to the present, with particular emphasis on the medium as an art form. Photographic aesthetics and techniques, and an assessment of the effects of political, social, and economic climates on the medium, are covered. Students view the work of established masters and contemporary innovators in photography each week.

### ART 130 WORLD ART I (3)

This course is an introduction to the history of art, from prehistoric times through the Romanesque period. Emphasis is placed on the artistic principles exemplified in architecture, sculpture, painting, and minor arts.

### ART 131 WORLD ART II (3)

This course is an introduction to the history of art from the Gothic period through the first half of the twentieth century. Emphasis is placed on the artistic principles as exemplified in architecture, sculpture, painting, and minor arts.

### ART 185 COMPUTER GRAPHICS I (3)

The purpose of this course is to provide students with an understanding of the basic principles underlying graphics software and to make them aware of graphic language in visual expression.

### ART 202 PHILOSOPHIES OF ART (3)

This course is a study of world aesthetic theories. The course examines the meaning and value of the visual arts and the evidence from which criticism and aesthetic judgments are made.

### ART 204 CREATIVE KNOWING: A FUNCTION OF STORYTELLING (3)

This course presents an interdisciplinary examination of ancient and contemporary motifs (verbal, visual, and conceptual). It concentrates on the transmission of these motifs as found in the myths, legends, and tales of many cultures and academic disciplines. Working from still life, students develop essential attitudes and skills through observing nature, learning techniques, control of media, and the perception of space, colors, and form.

### ART 207 PAINTING FUNDAMENTALS (3)

Working from still life, students develop essential attitudes and technical skills in the practice of painting in this course. Through the observation of nature, students learn techniques, control of media, and perception of space, color and form.

*Prerequisites:* ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design

### ART 208 EXPERIMENTAL TYPOGRAPHY (3)

This interdisciplinary course integrates topics related to art history, cultural studies and studio practice. The class surveys experimental typography methods employed by artists, designers, poets, and media artists. The course introduces students to the history of experimental typography in the 20th century through course lectures and museum visits. Students are introduced to the history of technology, art, design literacy and poetry through readings, critical writing, and digital art assignments.

*Prerequisite:* ART 110 Two-Dimensional Design

### ART 209 ADVANCED WATERCOLOR (3)

This is an intermediate advanced course with an emphasis on exploring the potential of various pigments and palettes, making imaginative personal statements, developing paintings from the model and nature, and experimenting with techniques to develop a body of work.

*Prerequisite:* ART 105 Drawing and Composition I

### ART 212 METALSMITHING I (3)

Metal forming is the focus of this course. Holloware, vessels, flatware and some jewelry are produced using metalsmithing tools and techniques including forging, raising, construction and finishing processes.

### ART 213 TECHNICAL DRAWING (3)

Where relationships of shape and dimension are involved, drawing is the logical means of communication. Using conventional drafting tools, students learn to analyze and simplify complex forms for the purpose of making accurate drawings. Painters, designers, illustrators, and animators will all benefit from this course.

*Prerequisite:* ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design (3)

### ART 214 DRAWING AND COMPOSITION II (3)

This course builds on the experience of ART 105 Drawing and Composition I guiding students toward a finer quality of drawing and composition and toward the development of draftsmanship and creative seeing. Students produce an independent body of work based on a thesis project.

*Prerequisites:* ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design, ART 106 Contemporary Art, ART 111 Three-Dimensional Design

### ART 215 RESEARCH AND DOCUMENTATION IN ART (3)

This course is a study of art historiography,

research methods, iconology, iconography, critical analysis, criticism, and research documentation.

**Prerequisite:** ART 130 World Art I and/or ART 131 World Art II

### **ART 216 SCULPTURE I (3)**

This course provides students with an opportunity to study the structure of the human figure and its use in sculptural composition. Emphasis is placed on learning basic techniques and the experimental use of wood, glass, and metal, and site-specific installations.

**Prerequisite:** ART 111 Three-Dimensional Design

### **ART 218 JEWELRY I (3)**

This course offers an introduction to the problems and techniques of jewelry making as an art form. Emphasis is placed on evolving functional, well-designed forms through an exploration of metal forming and professional craft techniques.

### **ART 219 LIFE DRAWING I (3)**

This course provides opportunities to develop drawing techniques and perceptual acuity drawing from the model to increase one's understanding and appreciation of the human figure as a valuable source of visual expression.

**Prerequisite:** ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design (3)

### **ART 222 CERAMICS II (3)**

This intermediate course emphasizes wheel throwing, ceramic sculpture, and clay and glaze formulation techniques.

**Prerequisite:** ART 104 Ceramics I

### **ART 230 PHOTOGRAPHY I (3)**

This is a basic course in black and white photography providing the student with fundamental theory and practical photographic application. Students are instructed in the use of the camera, film processing, and printing, which enables them to create their own photographs. Students are also instructed in the significance and assessment of photographic images. **Required:** Manual 35mm camera with light meter. **Note:** students incur semester photography costs.

### **ART 232 HISTORY OF COMMUNICATION DESIGN (3)**

This art history course traces the evolution of scribal culture into print culture and the development of typographic design and norms, grammar, and book structure, which evolved through technological innovation and increased literacy. The impact of industrialization, the genesis of advertising design, political propaganda in mass culture, and the resulting development of graphic design

are explored in relation to aesthetic and social theories of the 19th and 20th centuries.

### **ART 233 PREPARATION OF ART FOR PRINTING (3)**

This is a studio course designed to explore the materials, tools, methods and vocabulary of digital pre-press production, beginning with an understanding of traditional paste-up mechanical production. Topics include: working with color systems, color separation, color proofing systems, preparing halftones, masking, trapping, output options, paper selection, plate making and the various printing methods.

**Prerequisites:** ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design

### **ART 234 LETTERING AND TYPE DESIGN (2)**

This course is an exploration of letterforms including analysis and rendering of basic alphabet and calligraphic styles, their history and letter structure. Students then move on to the mechanical and technological letterforms of typography. Traditional tools are studied, but alternative and experimental layouts are encouraged.

**Prerequisite:** ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design

### **ART 235 ILLUSTRATION (3)**

This course serves as an introduction to illustration as a career. Various media are explored in the development of strong image concepts and visual problem-solving. Students execute illustration projects for print media such as books, magazines, and newspapers.

**Prerequisite:** ART 283 Communication Design Techniques

### **ART 236 ADVANCED ILLUSTRATION (3)**

This is an advanced course intended to further develop communication skills in commercial illustration. In accordance with their interests and aptitudes, students develop portfolios of illustrations in their unique styles. Computer generated illustration is included.

**Prerequisites:** ART 235 Illustration and ART 283 Communication Design Techniques

### **ART 237 TYPOGRAPHY (3)**

This course examines typography as a means of communication and design. It explores traditional typographic conventions and their evolution through technological innovations. Assignments allow students to develop an aesthetic sensibility for typographic structure and an awareness of the material aspect of language. All design projects are

created electronically with industry standard software.

**Prerequisites:** ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design

### **ART 238 DRAWING FOR DESIGNERS AND ILLUSTRATORS (3)**

By concentrating on drawing used for design or illustration problems, this course helps students with compositional problems such as perspective, interiors, group figure situations, product rendering, and conceptual development. Various media and formats used by designers and illustrators are explored. Students study the drawings and illustrations of a broad number of artists and thus gain an appreciation of style, concept, and medium.

**Prerequisite:** ART 283 Communication Design Techniques

### **ART 243 RENDERING TECHNIQUES (3)**

This course provides instruction in the basic skills of rendering form and texture. Working with a variety of media and tools including ink, paint, and airbrush, students study artwork, attend lectures and produce studio work.

**Prerequisite:** ART 283 Communication Design Techniques

### **ART 244 LARGE FORMAT PHOTOGRAPHY (3)**

This is a studio course designed to introduce intermediate students to concepts and techniques of large format cameras. It develops students' abilities in the use and handling of the camera, film, lighting, and other special concerns of large format photography in relation to both commercial and fine art photography. Emphasis is placed on developing a sense of comfort and facility with the camera, on utilizing the unique potential of the format, and on developing students' individual approaches to making images. **Note:** Students incur semester photography costs.

**Prerequisite:** ART 350 Photography II

### **ART 245 COLOR THEORY (3)**

This course offers a comprehensive study in color, its theory, and applications. The student is required to complete studio work with color in various media.

**Prerequisite:** ART 110 Two-Dimensional Design

### **ART 250 INTRODUCTION TO ART THERAPY (3)**

This course explores the nature of the creative process and its relationship to human growth and development. It explores a Rogerian approach, as well as the philosophical and historical development of the

Expressive Therapies.

**ART 260 ANCIENT ART (3)**

This course offers a study of the arts of the ancient world exemplified in architecture, sculpture, and painting of North Africa (Egypt) and the Middle Eastern civilizations of Mesopotamia.

**ART 261 MEDIEVAL ART (3)**

This course is a study of the arts of the medieval world, including Early Christian, Byzantine, Hiberno-Saxon, Carolingian, Romanesque and Gothic periods.

**ART 262 PRE-COLONIAL AND COLONIAL ART (3)**

This course studies the native art of African, Oceanic, and Amerindian cultures before and after the colonial experience.

**ART 265 ART IN THE UNITED STATES OF AMERICA (3)**

This course is a study of the development of painting, sculpture, and architecture in the United States from the seventeenth century to the present.

**ART 266 WOMEN ARTISTS (3)**

This course presents an overview of the motivation of, and opportunities for, women artists in the last six centuries, with special emphasis on the circumstances and consciousness of women in the 21st century.

**ART 267 ART OF SPAIN (3)**

This course is a study of the historical and aesthetic developments in Spanish painting, sculpture, architecture, crafts and other visual media from the Prehistoric Age to the 21st Century.

**ART 268 PRE-COLUMBIAN ART (3)**

This course presents the art of the Mesoamerican and South American Andean/Pacific Coast cultures, with an emphasis on Peru. Students critically examine developments in Pre-Columbian art against the background of Amerindian life, religion, and culture.

**ART 269 ASIAN ART (3)**

This course presents the art of major Asian cultures (India, China, and Japan), as well as other Asian societies in relationship to philosophy, religion, and culture.

**ART 280 DRAWING FOR CARTOONS AND ANIMATION (2)**

This course focuses on developing drawing, painting, and imaginative skills for the purpose of creating cartoons, comic strips, and caricatures suitable for commercial reproduction. Careful attention is applied to unfolding personal approaches to humor and social and political commentary.

*Prerequisite:* Art 105 Drawing and Composition I or equivalent

**ART 283 COMMUNICATION DESIGN TECHNIQUES (3)**

This is an introductory course for those contemplating a career in the fields of advertising, graphic design, or illustration. Beginning problems in advertising, logo design, publication design, editorial design, and illustration are introduced along with a variety of tools and media in current use by today's designers and illustrators. The course covers international design theory, history, research and career choices. Portfolio review required for continuing study.

*Prerequisites:* ART 105 Drawing and Composition I and ART 110 Two-Dimensional Design and portfolio review.

**ART 285 ILLUSTRATION RESEARCH PROJECT (3)**

Accurate historical, technical, and scientific information is often the key to a successful illustration or design project. This studio course focuses on the efficient use of resources and documentation when gathering material for problems of this kind. When possible, professional researchers from the publishing field address the group.

*Prerequisite:* ART 283 Communication Design Techniques

*Recommended:* ART 238 Drawing for Designers and Illustrators and ART 243 RENDERING TECHNIQUES

**ART 300 PORTRAIT PAINTING (3)**

It is designed to develop perceptual and conceptual understanding of the planar structure of the head combined with instruction in mixing colors.

*Prerequisites:* ART 207 Painting Fundamentals and ART 219 Life Drawing I

**ART 301 METHODS AND TECHNIQUES IN ART THERAPY I (3)**

Second in the series of courses in the art therapy sequence, this course addresses itself to the practical application of the theoretical knowledge gained in ART 250 Introduction to Art Therapy I. Specific methods and techniques using art media in therapeutic settings are taught along with demonstrations.

*Prerequisite:* ART 250 Introduction to Art Therapy I

**ART 303 CERAMICS III (3)**

This is an advanced course in creative pottery and ceramic sculpture with increased opportunity for individual development.

*Prerequisite:* ART 222 Ceramics II

**ART 304 CERAMIC SCULPTURE (3)**

This is an advanced course for majors in the Bachelor of Fine Arts and Bachelor of Arts in Ceramic Specialization. The course builds

on the previous experience of Ceramic and Design courses. Special emphasis is placed on the aesthetic use of creative imagination in the forming and texturing of clay sculpture.

*Prerequisites:* ART 104 Ceramics I and ART 216 Sculpture I

**ART 305 LIFE DRAWING II (3)**

This course builds on the experience of ART 219 Life Drawing I, guiding students toward a finer quality in drawing and emphasizing the exploration of individual problems and the development of a personal style.

*Prerequisite:* ART 219 Life Drawing I

**ART 307 RELIEF PRINTING AND THE ART OF MANGA (3)**

From the Japanese, literally meaning "whimsical pictures", this course provides studio instruction in the techniques of Japanese and Western woodcut and letterpress printing, exploring the Manga drawing style as a focal point for the student's creative exploration. This fundamental form of printmaking has undergone dynamic redevelopment over the past centuries as well as lasted in its traditional form to today. A survey of technical and thematic developments will enhance the projects. Digital and photo-based imagery is also explored.

*Prerequisite:* ART 105 Drawing and Composition I and/or ART 110 Two-Dimensional Design or permission of instructor

**ART 308 INTAGLIO PRINTING (3)**

This course provides studio experience with intaglio printmaking, also known as etching. Processes including drypoint, aquatint, softground, and color viscosity are covered through explorative projects. Photographic and digital-based imagery are investigated along with hand-rendering techniques, in the production of original prints.

*Prerequisite:* ART 105 Drawing and Composition I and/or ART 110 Two-Dimensional Design or permission of instructor

**ART 309 INTRODUCTION TO PRINTMAKING: SCREEN PRINTING (3)**

This course provides an introduction to the graphic arts through the exploration of screen printing. Instruction is centered on the graphic translation of digital, photographic, drawing and painting techniques into creative forms and applications. Rapid layering and multicolor printing will be applied to wide range of image possibilities in the production of original prints and artist and designer's multiples.

*Prerequisite:* ART 105 Drawing and Composition I and/or ART 110 Two-Dimensional Design or permission of instructor



**ART 310 DIGITAL ILLUSTRATION I (3)**

This raster-based computer art course encourages students to explore the technical, creative, conceptual, and philosophical aspects of digital arts. Assignments stress the development of a unique aesthetic sensibility while developing technical proficiency through the use of raster-based programs. Issues relevant to the new digital arts are explored and options for printing examined.

*Prerequisite:* ART 235 Illustration or Art 214 Drawing and Composition II or Art 219 Life Drawing I or Art 257 Digital Imaging

**ART 311 LITHOGRAPHY AND DIGITAL PRINTING (3)**

This course provides students with studio instruction in graphic art and the techniques of digital printing and lithography. Methods for managing photographic and hand-rendered imagery through digital print and lithographic media are explored including color management, file processing and large format printing. Projects focus on the production of artist and designer's prints, posters, books and multiples.

*Prerequisite:* ART 105 Drawing and Composition I and/or ART 110 Two-Dimensional Design or permission of instructor

**ART 312 METALSMITHING II (3)**

This course offers an advanced coverage of the concepts, techniques, aesthetics, historical and functional dimensions of metalsmithing with an emphasis on well-designed, innovative flatware, servers, vessels, etc.

*Prerequisite:* ART 212 Metalsmithing I

**ART 315 BOOK AND MAGAZINE DESIGN (2)**

Half of the semester is devoted to magazine publication including design of covers, editorial matter, and marketing to certain audiences. Students study existing magazines and create new publications. We will study existing magazines and create new publications. The rest of the semester is devoted to the study of the history of book design, parts of books, papers, type, bindings, and the creation of both traditional and non-traditional book structures.

*Prerequisites:* ART 343 Advertising Design, ART 237 Typography and ART 234 Lettering and Type Design

**ART 316 SCULPTURE II (3)**

This course builds on the experience of ART 216 Sculpture I providing the student with new skills in sculpture practices/technology for the purpose of fabrication and construction. Emphasis is placed on imagination and visual sensitivity directed toward the ability to create an aesthetic form.

*Prerequisite:* ART 216 Sculpture I

**ART 319 JEWELRY II (3)**

This is an advanced course designed to further knowledge and skill in the design and fabrication of jewelry as an art form. The interrelationship between fine design, technical facility, and material potential are explored in greater depth. Emphasis is placed on the use of specialized equipment in working with precious metals and other materials.

*Prerequisite:* ART 218 Jewelry I

**ART 320 CLASSICAL ANIMATION (3)**

Classical Animation will introduce students to the principles of traditional hand-drawn cell animation and to the materials used in the production of this art form. The purpose of this course is to develop an awareness and appreciation of the art of character animation and to provide opportunity for creative expression in this area. Upon completion of this course, each student will have produced his or her own animation reel.

**ART 321 RENAISSANCE ART (3)**

This course is a study of European painting, sculpture, and architecture from 1300 to 1600 with attention to historical and cultural background, and an emphasis on the art of Italy and its impact on other European countries.

**ART 324 CASTING FOR JEWELERS (3)**

This course focuses on the vacuum-assisted lost wax methods of casting and other associated casting methods used in jewelry making. Aesthetic, technical, and historical approaches interact during design, development, wax modeling, molding, firing and finishing processes.

**ART 325 MODERN ART (3)**

This course surveys the arts from 1800 to the early 20th century, exploring the relationship of the visual arts to philosophic, historical, and cultural movements of the period.

**ART 326 SEVENTEENTH AND EIGHTEENTH CENTURY ART (3)**

This course is a study of painting, sculpture, and architecture in the Western world from 1600 to 1800 with attention to their historical and cultural background.

**ART 327 ART OF LATIN AMERICA (3)**

This course is an art historical examination of Latin American painting, sculpture, architecture, craft, and other visual media from the 16th Century to the 21st Century, focusing on visual artistic developments in Mesoamerica, South America, and the Caribbean, as well as studying manifestations of Latina(o) art in the United States.

**ART 328 CLASSICAL ART (3)**

This course is a study of the arts of the classical world from their origins in archaic Greece to the end of the Roman period.

**ART 330 GALLERY MANAGEMENT I (3)**

This course provides students with an introduction to the varied aspects of art gallery management through practical experience in planning and installing exhibitions in the University galleries.

**ART 331 GALLERY MANAGEMENT II (3)**

This course is a continuation of the planning and exhibition experience gained in Gallery Management I.

*Prerequisite:* ART 330 Gallery Management I

**ART 343 ADVERTISING DESIGN (3)**

The world of advertising—its philosophies, problems and solutions—are introduced in this course. Studio projects consist of layout and letter rendering and art and type selection stressing design composition and creativity. The multiple steps in developing an ad for newspapers, magazines, and direct mail are covered.

*Prerequisites:* ART 283 Communication Design Techniques and ART 237 Typography

**ART 344 ADVANCED ADVERTISING DESIGN (3)**

In this course students design an entire promotion campaign for a single product. This includes assignments in logo and packaging design, TV storyboards, POP displays, outdoor, and print advertising. Product development and marketing strategies are emphasized. Personal style development through final portfolio pieces is encouraged.

*Prerequisite:* ART 343 Advertising Design

**ART 350 PHOTOGRAPHY II (3)**

This course offers a further investigation into aesthetic and technical choices available to the black and white photographer. Students are introduced to a variety of papers, films, cameras, and darkroom possibilities. Emphasis is placed on the students' technical understanding and skills and their relationship to personal vision. The particular aesthetics of photography are addressed in viewing and discussion of students' work, along with the photographs of historical and contemporary photographers. *Required:* 35mm camera with light meter. *Note:* Students incur semester photography costs.

*Prerequisite:* ART 230 Photography I

**ART 351 COLOR PHOTOGRAPHY I (3)**

This course offers a study of the photographic techniques of color processing and printing from negatives and slides, and

the concepts of color theory and physics. Commercial automatic processors are used. The aesthetic possibilities of color are emphasized. **Required:** 35mm camera with light meter. **Note:** Students incur semester photography costs.

**Prerequisite:** ART 350 Photography II

### **ART 352 ADVANCED STUDIO LIGHTING (3)**

Through hands-on experience, this course offers the advanced student an opportunity to study the nature of light and its critical importance in photography. Emphasis is placed on manipulating artificial light in the studio as it applies to still life, fashion, portrait, and fine art photography. **Required:** 35mm camera with light meter.

**Note:** Students incur semester photography costs.

**Prerequisite:** ART 244 Large Format Photography, ART 350 Photography II or permission of the instructor

### **ART 353 DOCUMENTARY PHOTOJOURNALISM (3)**

This course presents a study of the use of photography as a tool to report, document, and describe particular events, situations or locations. Students produce a photographic portfolio that communicates information within the context of the print medium (newspapers, magazines, or books) or for exhibition. Legal, moral, and practical issues of documentary work are discussed. Historical and contemporary photographs are viewed and discussed. **Required:** 35mm camera with light meter. **Note:** Students incur semester photography costs.

**Prerequisite:** ART 350 Photography II

### **ART 354 PHOTOGRAPHICS (3)**

This course provides instruction in the alternative processes of cyanotype, gum bichromate, albumin, kallitype, and palladiums and in the methods of making large format photo negatives and cliché-verre matrices employed in these and photo-printmaking processes. Emphasis is placed on the conceptual and theoretical reasons for using an alternative photo process.

**Prerequisite:** ART 350 Photography II

### **ART 356 ADVANCED DARKROOM TECHNIQUES (3)**

This is an advanced black and white printing course helping students develop a working knowledge of photographic chemistry and densitometry. The professional applications of quality control in commercial process printing, archival printing, and processing for fine art work, and aesthetic presentation techniques are covered.

**Prerequisites:** ART 350 Photography II

### **ART 357 DIGITAL IMAGING IN PHOTOGRAPHY (3)**

This course explores the evolving media of electronic photography, as well as issues surrounding digital imagery. Digital capture, scanning, image editing, and output are covered. The hands-on nature of this course gives a thorough introduction to these techniques so that students can become fluent in producing digital images.

**Prerequisites:** ART 350 Photography II

### **ART 358 ADVANCED DIGITAL IMAGING (3)**

This is a continuation of ART 357 Digital Imaging in Photography course. Class time is divided between studio work and lectures/critiques. During studio time, the student works individually on a computer graphics station under faculty supervision. Lectures address contemporary issues including the ethics of image editing and the relationship between the artist and computer. Group critiques of student work, readings, films, and slide reviews of computer-based art complete the course.

**Prerequisite:** ART 357 Digital Imaging in Photography or permission of the instructor

### **ART 402 SCULPTURE III (3)**

This course provides the advanced sculpture student with an opportunity to plan and execute self-chosen projects. The work can be in any medium and is self-directed with critiques from the sculpture faculty.

**Prerequisite:** ART 316 Sculpture II

### **ART 403 GROUP ART THERAPY I (3)**

This course explores the means by which healthy interpersonal relationships can be attained within a group setting with the help of non-verbal, inanimate art media. Specific art and therapy techniques, the role of the leader, materials of observation, recording, interventions, and non-interventions are explored.

**Prerequisite:** ART 250 Introduction to Art Therapy

### **ART 404 FIGURE PAINTING (3)**

This course investigates the relationship of structure within the figure and throughout the whole composition with emphasis given to expressive content and figure-ground coherence.

**Prerequisites:** ART 207 Painting Fundamentals and ART 219 Life Drawing I

### **ART 405 EXPERIMENTAL PAINTING (3)**

This course explores research into painting styles and techniques which are considered as alternate possibilities in solving painting problems. Various techniques used in

design, photography, and advertising are encouraged.

**Prerequisites:** ART 110 Two-Dimensional Design, ART 207 Painting Fundamentals, and ART 106 Contemporary Art

### **ART 406 ADVANCED CERAMICS (3)**

This course examines additional forming and surface techniques to increase students' opportunities to find a personal approach to their work. Students are encouraged to continue their studies of glaze formulation, application, and firing techniques. Increased emphasis is placed on developing personal solutions to aesthetic problems.

**Prerequisite:** ART 303 Ceramics III

### **ART 409 ENAMELING FOR JEWELERS (3)**

This course explores opaque and translucent enameling processes on copper and fine silver, combined with continued advanced work in jewelry design and fabrication.

**Prerequisite:** ART 218 Jewelry I

### **ART 410 ADVANCED JEWELRY (3)**

This is an advanced course providing experience in casting, prong gem setting, Three-Dimensional forms, anodizing, and jewelry design and fabrication in gold.

**Prerequisite:** ART 409 Enameling for Jewelers

### **ART 411 COLOR PHOTOGRAPHY II (3)**

This course is a continuation of ART 351 Color Photography I. It is devoted to the printing of the color negative and slide and the visual use of color as the dominant aesthetic design element. The professional applications of the aesthetics and techniques of color photography and the development of a personal color portfolio are emphasized. **Required:** 35mm camera and light meter. **Note:** Students incur semester photography costs.

**Prerequisite:** ART 350 Photography II

### **ART 412 ADVANCED PRINTMAKING (3)**

This course provides an in-depth opportunity for advanced students to pursue lithographic printing, intaglio (etching), serigraphy (screen printing), relief, photo-printmaking processes, or a combination of these areas. Building on the foundation printmaking courses, students develop individual creative approaches to, and an expanded understanding of, the selected medium, as well as explore the possibilities and demands of edition printing.

**Prerequisite:** A 300-level Printmaking course

### **ART 415 STUDIO PAINTING (3)**

This is an advanced painting course. It is a course individualized to student needs based on interests identified by the student, and

those painting problems and alternate solutions identified by the faculty. This course is offered each semester.

**Prerequisites:** ART 207 Painting Fundamentals, ART 404 Figure Painting, ART 405 Experimental Painting, and ART 300 Portrait Painting

### **ART 422 PACKAGING DESIGN (2)**

This course focuses on packaging of products with concern for structure of the package, logotypes, graphics, in-store display, principles of marketing, materials, consumer psychology, and production. Conventional and innovative solutions to packaging are sought. Comprehensive sketches and scale and full size models are executed.

**Prerequisites:** ART 343 Advertising Design

### **ART 425 DIGITAL ILLUSTRATION II (3)**

This vector-based computer art course encourages students to explore the technical, creative, conceptual, and philosophical aspects of the digital arts. Assignments stress the development of a unique aesthetic sensibility while developing technical proficiency through the use of raster-based programs. Issues relevant to the new digital arts are explored and options for printing examined.

**Prerequisites:** ART 235 Illustration or ART 214 Drawing and Composition II or ART 219 Life Drawing I or Art 257 Digital Imaging

### **ART 430 WEB DESIGN I (3)**

In this course students learn how to structure and design for the Internet with HTML scripting, the use of digital layout programs, and vector and raster imaging software. Design issues relevant to electronic display and related to typography, imaging, information structure, and layout form the principle assignment topics. Technical aspects of electronic delivery and their relationship to print, as well as the social and political implications of Internet distribution, are researched and discussed.

**Prerequisites:** ART 237 Typography and either ART 310 Digital Illustration I or ART 357 Digital Imaging in Photography, or permission of the instructor

### **ART 444 PHOTOGRAPHY AS A FINE ART (3)**

This course addresses the creation and understanding of the photographic image as an aesthetic object. Advanced students are encouraged to develop a working methodology that leads to personal and consistent engagement with photography in the broadest possible artistic context. Discussions of contemporary photographic practice and critical writings are used to aid students

as they prepare for careers as artists. Note: Students incur semester photography costs.

### **Prerequisite:** Permission of the instructor **ART 445 PROFESSIONAL APPLICATION OF PHOTOGRAPHY (3)**

This course prepares upper-level photography students to enter the photographic industry in both a commercial and fine art context. Students develop a professional level portfolio for all photographic vocations, and are made familiar with career and exhibition opportunities.

**Prerequisite:** Permission of the instructor

### **ART 447 CORPORATE PUBLICATION DESIGN (3)**

This is an advanced course in the creation of the corporate image from long-term logo design through business pieces such as letterheads, annual reports, and self-promotional brochures and advertising. Study of psychological and philosophical aspects behind corporate image development is included. Paper selection and new printing techniques are explored. Students have the opportunity to work on projects for various organizations, resulting in printing portfolio pieces.

**Prerequisites:** ART 343 Advertising Design, ART 283 Communication Design Techniques and ART 237 Typography

### **ART 448 INFORMATION DESIGN (3)**

This course organizes statistical, theoretical, numerical, spatial, sequential, and textual data in visual form. Computer modeling tools, layout and charting programs for data import and linking are utilized. Students create visual reports that integrate structures for information (such as maps, charts, tables, and graphs) with textual information.

**Prerequisite:** ART 343 Advertising Design

### **ART 450 PORTFOLIO PREPARATION (1)**

This course helps students prepare portfolios of their art in ways that reflect individual talents, encourage job placement, and take advantage of new technology. Students write resumes and cover letters. Interview techniques and internet job research are examined. The course also explores other forms of self-promotion such as mailings, memberships in professional organizations, and networking skills.

**Prerequisite:** Senior status

### **ART 451 LOCATION PHOTOGRAPHY (3)**

This course prepares advanced students for the demanding work of the location photographer. It is structured so that students take active roles in determining the scope and duration of the topics covered. Lectures, demonstrations, discussions, and critiques are combined with several field trips, during

which the student works with faculty supervision, creating photographs under various and sometimes adverse circumstances. Creative problem-solving and development of a personal photographic style are stressed.

**Prerequisite:** ART 244 Large Format Photography and ART 352 Advanced Studio Lighting or permission of the instructor

### **ART 465 BFA BACHELOR OF FINE ARTS SEMINAR (1)**

The seminar covers the professional implications and applications of the student's final thesis work toward the BFA degree. It consists of meeting with a mentor on an individual basis and participating in a seminar discussion group culminating in the BFA exhibition.

**Prerequisite:** Bachelor of Fine Arts senior status

### **ART 469 INTERNSHIP I (8)**

This course furthers the student's development of professional competencies by teaching in an art classroom, where the theories and ideas learned in the methods classes are applied. The knowledge, skills and dispositions of the Reflective Urban Practitioner are considered within the school community. This course fosters an understanding of the art curriculum, the New Jersey Core Curriculum Standards, and assessment of student learning; an understanding of the school as a social unit and the dynamics of classroom management; and an understanding of students, their characteristics as individuals, and the ways in which they learn.

**Prerequisites:** Permission of Art Teacher Certification Coordinator, ART 1331 Art Education Field Experience II, ART 520 Foundations and Goals in Art Education, and ART 530 Professional Practices in Art Education (taken no more than 2 semesters prior to this field experience)

### **ART 490 HONORS IN ART I (3)**

This course is an opportunity for students of proven ability to pursue study in an area of their choosing. Students must be recommended by a full-time faculty member in the chosen area who will supervise their work.

**Prerequisite:** Permission of chairperson and advisor

### **ART 491 HONORS IN ART II (3)**

This course is an opportunity for students of proven ability to pursue study in an area of their choosing. Students must be recommended by a full-time faculty member in the chosen area who will supervise their work.

**Prerequisite:** Permission of chairperson and advisor

**ART 493 SPECIAL PROJECTS IN ART (3)**

This course offers an opportunity for students of demonstrated ability in art to plan and execute art works for the University or for other areas in the community. It includes the planning and execution of the works under faculty direction.

**Prerequisite:** Permission of the chairperson

**ART 501 ART CLASSROOM MANAGEMENT (1)**

Please see *Graduate Catalog* for course description.

**ART 510 CASE STUDIES IN ART THERAPY I (3)**

Please see *Graduate Catalog* for course description.

**ART 514 INTERCULTURAL ART (3)**

This course presents an overview of the historical and cultural impact of migrations, conquests, encounters, and other forms of cross-cultural fertilization on artistic developments in Asia, Africa, Oceania, and the Americas. This course traces the emergence of now-Western artistic traditions in terms of their Pre-Colonial and Post-Colonial worldviews, examining the cultural issues involved in Colonial and Post-Colonial theory.

**ART 520 FOUNDATIONS AND GOALS IN ART EDUCATION (3)**

Please see *Graduate Catalog* for course description.

**ART 530 PROFESSIONAL PRACTICES IN ART EDUCATION (3)**

Please see *Graduate Catalog* for course description.

**ART 1331 PRACTICUM (1)**

In this field experience, students are placed with an art specialist for one day a week for the first 13 weeks of the semester, and five days a week for the final two weeks of the semester. Knowledge of child development is observed and applied to Art Education practice.

**Prerequisites:** Permission of Art Teacher Certification Coordinator, ART 520 Foundations and Goals in Art Education, and ART 530 Professional Practices in Art Education (taken no more than two semesters prior to this field experience).

**Corequisites:** EDU 330 Focus: Development, Behavior and Learning, and permission of instructor

## BIOLOGY

Science Building, Room 335

201-200-3054

<http://web.njcu.edu/dept/biology>

**Dr. Laura Pannaman, Chairperson**  
lpannaman@njcu.edu

**Professors: Grew, Hoch,  
LaIacona-Finstein, Singer, Siniscalchi**  
**Associate Professors: Egli, Pannaman**  
**Assistant Professors: Arrigo, Assefa,  
Giovanetto, Prosen**

Numerous academic options are available to students desiring either Bachelor of Science (BS) or Bachelor of Arts (BA) degrees in Biology and related fields:

1. Broad-based, BS and BA programs in general biology that provide sound preparation for successful entry to employment, graduate school, and/or professional school;
2. Teacher certification programs for students pursuing careers as K–12 teachers with academic interests in biology;
3. Joint and collaborative programs with the University of Medicine and Dentistry of New Jersey and Jersey Shore Medical Center leading to BA or BS degrees and certifications in Clinical Laboratory Sciences and Allied Health Technology; and
4. Graduate and professional affiliated programs designed to prepare high-performing students for careers in research or professional careers in medicine, dentistry, podiatry or osteopathic medicine.

Faculty advisors assist students in selecting appropriate courses for careers in research, education, government, industry, the medical professions, and other related fields. The Biology Department sponsors the Biology Club, the Nu Pi chapter of Beta Beta Beta, the Biological Honor Society, and a tutoring service for its majors.

The Department offers several degree tracks. Program and course requirements for various fields of employment and continued education are explained below. The General Studies Program requirements for graduation are listed on *page 26*—“Undergraduate Requirements.”

Bachelor of Science in Biology, p. 81

Bachelor of Arts in Biology, p. 82

Bachelor of Arts in Biology with

Teacher Certification (Biology), p. 83

Undergraduate Affiliated Programs, p. 84

Graduate and Professional Affiliated

Programs, p. 88

Minor in Biology, p. 89

### ***Bachelor of Science in Biology*** **(MINIMUM 71 CREDITS)**

The Bachelor of Science degree in Biology provides a broad-based education in modern life science while offering the opportunity for students to concentrate their efforts within various biological disciplines. Through consultation with a faculty advisor, students may select elective courses that focus on cell and molecular biology, biomedical sciences, organismal biology, or environmental studies. The Bachelor of Science curriculum includes a strong background in the supporting sciences: Chemistry, Physics, Mathematics and Computers. The Bachelor of Science in Biology prepares students for admission to graduate, medical, dental, and other professional schools; for careers in academic and industrial research; teaching; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries.

There are no requirements for admission to this degree track, but students are encouraged to begin taking science and math courses as early as possible in their academic careers.

Course requirements for completion follow. Course Codes with asterisks (\*) have prerequisite and corequisite courses. Course prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
BIOL 130 <sup>*1,4</sup>	Principles of Biology I	4
BIOL 131 <sup>*3,4</sup>	Principles of Biology II	4
BIOL 230 <sup>*3,4</sup>	Cell Biology	4
BIOL 304 <sup>*3,4,6</sup>	Genetics	4
BIOL 402 <sup>*3,4,6</sup>	Ecology	4
BIOL 440 <sup>*3,4,6</sup>	Biology Seminar	1
CHEM 105 <sup>*2,4</sup>	General Chemistry I, Lecture	3
CHEM 1105 <sup>*4</sup>	General Chemistry I, Recitation/Laboratory	2
CHEM 106 <sup>*4</sup>	General Chemistry II, Lecture	3
CHEM 1106 <sup>*4</sup>	General Chemistry II, Recitation/Laboratory	2
CHEM 207 <sup>*4</sup>	Organic Chemistry I	4
CHEM 208 <sup>*4</sup>	Organic Chemistry II	4
PHYS 130 <sup>*2,4</sup>	College Physics I, Lecture	3
PHYS 1130 <sup>*4</sup>	College Physics I, Recitation/Laboratory	1
PHYS 131 <sup>*2,4</sup>	College Physics II, Lecture	3
PHYS 1131 <sup>*2,4</sup>	College Physics II, Recitation/Laboratory	1
MATH 190 <sup>*2,4</sup>	Calculus I	3
MATH 191 <sup>*2,4</sup>	Calculus II	3
<i>Restricted electives: Select a minimum of three credits from the following courses.</i>		
INTD 180 <sup>*2</sup>	Computer Tools for Science and Math	3
MATH 140 <sup>*2,4</sup>	Statistics	3
PSYC 230 <sup>*</sup>	Statistics for Social Science	3

*Electives: Select a minimum of 15 credits of Biology courses numbered 230 or higher, at least seven of which must be numbered 300 or higher, and at least three of which must be numbered 400 or higher.<sup>3,4,5,6</sup>*

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement.

See **page 26**—"Undergraduate Requirements."

<sup>3</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>4</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>5</sup>Both Principles of Anatomy & Physiology I & II must be successfully completed in order to earn credit toward Biology Department requirements.

<sup>6</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

### ***Bachelor of Arts in Biology*** **(MINIMUM 55 CREDITS)**

The Bachelor of Arts degree in Biology provides a broad-based education in modern life science while offering the opportunity for students to concentrate their efforts within various biological disciplines. Through consultation with a faculty advisor, students may select elective courses that focus on cell and molecular biology, biomedical sciences, organismal biology, or environmental studies. The Bachelor of Arts curriculum includes a basic background in the supporting sciences: Chemistry, Physics, Mathematics and Computers. The Bachelor of Arts in Biology prepares students for careers in academic and industrial research; teaching, through the alternate pathway to certification; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries.

There are no requirements for admission to this degree track, but students are encouraged to begin taking science and math courses as early as possible in their academic careers.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow. It is strongly recommended that students complete CHEM 207 (Organic Chemistry I), CHEM 207 (Organic Chemistry II), MATH 190 (Calculus I), and MATH 191 (Calculus II). CHEM 207 and CHEM 208 are recommended prerequisites for many 300- and 400-level Biology courses. Students are advised to complete at least CHEM 105/1105 (General Chemistry I, Lecture/Recitation/Laboratory) and CHEM 106/1106 (General Chemistry II, Lecture/Recitation/Laboratory) prior to beginning the junior year.

Course Code	Course Title	Credits
<i>Required</i>		
BIOL 130 <sup>*1,4</sup>	Principles of Biology I	4
BIOL 131 <sup>*4</sup>	Principles of Biology II	4
BIOL 230 <sup>*3,4</sup>	Cell Biology	4
BIOL 304 <sup>*3,4,6</sup>	Genetics	4
BIOL 402 <sup>*3,4,6</sup>	Ecology	4
BIOL 440 <sup>*3,4,6</sup>	Biology Seminar	1
CHEM 105 <sup>*2,4</sup>	General Chemistry I, Lecture	3
CHEM 1105 <sup>*4</sup>	General Chemistry I, Recitation/Laboratory	2
CHEM 106 <sup>*4</sup>	General Chemistry II, Lecture	3
CHEM 1106 <sup>*4</sup>	General Chemistry II, Recitation/Laboratory	2
MATH 165 <sup>2,4</sup>	Precalculus	3
PHYS 101 <sup>2,4</sup>	Basic Concepts of Physics	3

*Restricted electives: Select a minimum of three credits from the following courses.*

INTD 180 <sup>*2</sup>	Computer Tools for Science and Math	3
MATH 140 <sup>*2,4</sup>	Statistics	3
PSYC 230 <sup>*</sup>	Statistics for Social Science	3

*Electives: Select a minimum of 15 credits of Biology courses numbered 230 or higher, at least seven of which must be numbered 300 or higher, and at least three of which must be numbered 400 or higher<sup>3,4,5,6</sup>.*

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement.

See **page 26**—"Undergraduate Requirements."

<sup>3</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>4</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>5</sup>Both Principles of Anatomy & Physiology I & II must be successfully completed in order to earn credit toward Biology Department requirements.

<sup>6</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

***Bachelor of Arts in  
Biology with Teacher  
Certification in Biology  
(MINIMUM 55 CREDITS)***

Completion of this major prepares one to assume the responsibilities of a biology teacher in elementary, middle, or high schools in which science is taught as a separate subject. Continued study may include a Master's degree in biology or a related discipline or a Master's degree and doctorate in education.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exams 20235 Biology: Content Knowledge and 10435 General Science: Content Knowledge prior to EDU 480 (Internship). Students who are interested in the education certification program must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of the certification program.

Course requirements for completion of the major are listed below. Course Codes with asterisks (\*) have prerequisite and corequisite courses. Course prerequisites and corequisites are listed with the course descriptions that follow. It is strongly recommended that students complete CHEM 207 (Organic Chemistry I), CHEM 207 (Organic Chemistry II), MATH 190 (Calculus I), and MATH 191 (Calculus II). CHEM 207 and CHEM 208 are recommended prerequisites for many 300- and 400-level Biology courses. Students are advised to complete at least CHEM 105/1105 (General Chemistry I, Lecture/Recitation/Laboratory) and CHEM 106/1106 (General Chemistry II, Lecture/Recitation/Laboratory) prior to beginning the junior year.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
BIOL 130 <sup>*1,4</sup>	Principles of Biology I	4
BIOL 131 <sup>*4</sup>	Principles of Biology II	4
BIOL 230 <sup>*3,4</sup>	Cell Biology	4
BIOL 236 <sup>*3,4</sup>	Anatomy & Physiology I	4
BIOL 237 <sup>*3,4</sup>	Anatomy & Physiology II	4
BIOL 304 <sup>*3,4,5</sup>	Genetics	4
BIOL 402 <sup>*3,4,5</sup>	Ecology	4
BIOL 440 <sup>*3,4,5</sup>	Biology Seminar	1
CHEM 105 <sup>*2,4</sup>	General Chemistry I	3
CHEM 1105 <sup>*4</sup>	General Chemistry I, Recitation/Laboratory	2
CHEM 106 <sup>*4</sup>	General Chemistry II	3
CHEM 1106 <sup>*4</sup>	General Chemistry II, Recitation/Laboratory	2
INTD 180 <sup>*2</sup>	Computer Tools for Science and Math	3
MATH 165 <sup>*2,4</sup>	Precalculus	3
PHYS 101 <sup>-2</sup>	Basic Concepts of Physics	3
<i>Electives: Select a minimum of seven credits of Biology courses numbered 300 or higher, at least three of which must be numbered 400 or higher<sup>3,4,5,6</sup>.</i>		
<i>Required General Studies Program courses:</i>		
GEOS 111 <sup>2</sup>	Principles of Earth Science	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
PSYC 152 <sup>2</sup>	Adolescence to Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301	Challenges in Urban Education	3
LTED330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 3372*	Secondary Methods of Teaching Science	3
LTED370*	Secondary Reading and Language Workshop	2
Phase IV (Taken concurrently)		
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8
EDU 485*	Classroom Management and Assessment	2

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement.

See page 26—"Undergraduate Requirements."

<sup>3</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>4</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>5</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

***BS in Clinical Laboratory Science Joint-Degree Program with the University of Medicine and Dentistry of New Jersey School of Health-Related Professions (UMDNJ-SHRP)***

In 1988, New Jersey City University and the University of Medicine and Dentistry of New Jersey School of Health-Related Professions (UMDNJ-SHRP) were granted approval by the State of New Jersey to offer a joint BS degree in Clinical Laboratory Sciences (CLS). Areas of specialization include Medical Laboratory Science and Cytotechnology. Students complete the equivalent of three years of study at New Jersey City University before applying to the 15-month preclinical phase at UMDNJ. The curricula below provide but do not guarantee access to these programs. New Jersey City University and UMDNJ jointly award a BS degree in CLS to students who successfully complete both phases of the program. Students are strongly advised to meet with a program advisor to develop a course sequence that will allow for the timely completion of required courses at New Jersey City University prior to beginning their clinical program at UMDNJ. Students must apply for acceptance to UMDNJ by October 15 of the year prior to beginning clinical training in the following summer. Acceptance to the UMDNJ programs requires a minimum CGPA of 2.75.

Each student applying for transfer into the BS in Clinical Laboratory Sciences program will be individually evaluated according to established guidelines. Faculty advisor: Prof. Cynthia Egli, S328, 201-200-3314, cegli@njcu.edu.

**1. MEDICAL LABORATORY SCIENCE**

Clinical laboratory testing is performed by medical technologists. They provide vital data to physicians and other health care practitioners to assist in the diagnosis, monitoring, and treatment of disease and maintenance of health. Medical technologists employ complex instrumentation procedures and computers to perform their duties. Major areas included in their work are: Clinical chemistry, clinical microbiology, hematology, immunohematology (blood banking), urinalysis and serology. Interested students should have a strong interest in science, have the capacity to learn technical skills, be accurate, reliable, and able to work under pressure, and efficiently and effectively communicate with others.

Course requirements for completion of the major are listed below. Course Codes with asterisks (\*) have prerequisite and corequisite courses. Course prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
BIOL 130 <sup>*1,4</sup>	Principles of Biology I	4
BIOL 131 <sup>*4</sup>	Principles of Biology II	4
BIOL 230 <sup>*3,4</sup>	Cell Biology	4
BIOL 236 <sup>*4</sup>	Anatomy & Physiology I	4
BIOL 237 <sup>*4</sup>	Anatomy & Physiology II	4
BIOL 303 <sup>*4,5</sup>	Microbiology	4
BIOL 404 <sup>*4,5</sup>	Immunology	3
CHEM 105 <sup>*2,4</sup>	General Chemistry I	3
CHEM 1105 <sup>*4</sup>	General Chemistry I (Recitation/Laboratory)	2
CHEM 106 <sup>*4</sup>	General Chemistry II	3
CHEM 1106 <sup>*4</sup>	General Chemistry II (Recitation/Laboratory)	2
CHEM 207 <sup>*4</sup>	Organic Chemistry I	4
CHEM 307 <sup>*4</sup>	Biochemistry I	4
ENGL 101 <sup>2</sup>	English Composition I	3
ENGL 102 <sup>*2</sup>	English Composition II	3
FYE 1XX <sup>2</sup>	First-Year Experience	3
GSC 101 <sup>*2</sup>	Civilizations I	3
GSC 102 <sup>*2</sup>	Civilizations II	3
MATH 140 <sup>*2,4</sup>	Statistics	3
INTD 180 <sup>*2</sup>	Computer Tools for Science & Math	3

*Restricted electives: Select a minimum of three credits from Biology courses not specified above<sup>3,4,5</sup>.*

*Restricted electives: Select a minimum of three credits from the following courses.*

MATH 165 <sup>*2,4</sup>	Precalculus 2,4	3
MATH 190 <sup>*2,4</sup>	Calculus I,4	3

*Restricted General Studies Program electives<sup>6</sup>: Select a minimum of 18 credits from General Studies Program elective courses, distributed as follows: Area B1 (3 credits); Area B2 (3 credits); Area C (6 credits); and Area E (6 credits).*

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

<sup>3</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>4</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>5</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

<sup>6</sup>These course requirements meet General Studies Program requirements that are specific to this program and facilitate the timely completion of required courses at New Jersey City University prior to beginning the clinical program at UMDNJ.



## 2. CYTOTECHNOLOGY

Cytotechnologists are important fact-finders in medical diagnosis and disease-related research. They prepare human tissue samples to screen for abnormalities associated with cancer and viral, fungal and parasitic infections. The cytotechnologist is employed in clinical laboratories in hospitals, private industry and research and teaching institutions. This program offers study and practical experience in cytotechnology in which the biological sciences serve as the foundation for clinical laboratory techniques used to identify normal and abnormal cells. Classroom instruction is combined with practical experience at affiliated hospitals and private laboratories.

Course requirements for completion of the major are listed below. Course Codes with asterisks (\*) have prerequisite and corequisite courses. Course prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
BIOL 130 <sup>*1,4</sup>	Principles of Biology I	4
BIOL 131 <sup>*4</sup>	Principles of Biology II	4
BIOL 230 <sup>*3,4</sup>	Cell Biology	4
BIOL 236 <sup>*4</sup>	Anatomy & Physiology I	4
BIOL 237 <sup>*4</sup>	Anatomy & Physiology II	4
BIOL 303 <sup>*4,5</sup>	Microbiology	4
BIOL 305 <sup>*4,5</sup>	Histology	4
BIOL 404 <sup>*4,5</sup>	Immunology	3
CHEM 105 <sup>*2,4</sup>	General Chemistry I	3
CHEM 1105 <sup>*4</sup>	General Chemistry I (Recitation/Laboratory)	2
CHEM 106 <sup>*4</sup>	General Chemistry II	3
CHEM 1106 <sup>*4</sup>	General Chemistry II (Recitation/Laboratory)	2
CHEM 207 <sup>*4</sup>	Organic Chemistry I	4
CHEM 307 <sup>*4</sup>	Biochemistry I	4
ENGL 101 <sup>2</sup>	English Composition I	3
ENGL 102 <sup>*2</sup>	English Composition II	3
FYE 1XX <sup>2</sup>	First-Year Experience	3
GSC 101 <sup>*2</sup>	Civilizations I	3
GSC 102 <sup>*2</sup>	Civilizations II	3
MATH 140 <sup>*2,4</sup>	Statistics	3
MATH 165 <sup>*2,4</sup>	Precalculus <sup>2,4</sup>	3
MATH 190 <sup>*2,4</sup>	Calculus I <sup>2,4</sup>	3
INTD 180 <sup>*2</sup>	Computer Tools for Science & Math	3

*Restricted General Studies Program electives<sup>6</sup>: Select a minimum of 18 credits from General Studies Program elective courses, distributed as follows: Area B1 (3 credits); Area B2 (3 credits); Area C (6 credits); and Area E (6 credits).*

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement.

See **page 26**—"Undergraduate Requirements."

<sup>3</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>4</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>5</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

<sup>6</sup>These course requirements meet General Studies Program requirements that are specific to this program and facilitate the timely completion of required courses at New Jersey City University prior to beginning the clinical program at UMDNJ.

***BS in Allied Health Technologies Joint-Degree Programs with the University of Medicine and Dentistry of New Jersey School of Health-Related Professions (UMDNJ-SHRP): Cardiac Sonography, Diagnostic Medical Sonography, Nuclear Medicine Technology, Respiratory Care and Vascular Sonography Specializations.***

Cardiac sonography is performed at the request of physicians to aid in the diagnosis, therapeutic treatment, and management of cardiovascular disease.

Diagnostic Medical Sonography includes general sonography, cardiac sonography, vascular technology and other subspecialties. Sonographers assist physicians in gathering data to reach diagnostic decisions.

Nuclear Medicine Technologists use radioactive materials for the diagnosis and treatment of diseases. Technologists work with physicians and other allied health professionals to provide accurate diagnoses and treatments for patients. Nuclear Medicine Technologists are specially trained in radiation safety, laboratory techniques, imaging procedures and the use of highly specialized equipment.

Respiratory Therapists participate in the diagnosis, treatment, management, education and preventative care of newborns and other patients with cardiopulmonary disorders. Their responsibilities include medical gas therapy, cardiopulmonary resuscitation, maintenance of artificial airways and ventilator management.

Vascular Technologists noninvasively test for arterial or venous disease at the request or direction of a Vascular Surgeon or Vascular Medicine Specialist. Technologists principally rely on ultrasound, but also incorporate a wide variety of other instrumentation for the detection of disease.

The course of study for these specializations typically includes the equivalent of three years of study at New Jersey City University prior to the 15-month clinical phase at UMDNJ. The curriculum below provides but does not guarantee access to these programs. Students must apply for acceptance to UMDNJ before January 15th of the same year as the summer in which they begin the clinical program. Students who successfully complete the 15-month training in these programs are awarded a joint BS degree in Allied Health Technologies from NJCU and UMDNJ. Acceptance to the

UMDNJ programs requires a minimum overall GPA of 2.75.

Course requirements for completion of the major are listed below. Course Codes with asterisks (\*) have prerequisite and corequisite courses. Course prerequisites and corequisites are listed with the course descriptions that follow.

Each student applying for transfer into the BS in Allied Health Technology program will be individually evaluated according to established guidelines. Faculty advisor: Prof. Cynthia Egli, S328, 201-200-3314, cegli@njcu.edu.

Course Code	Course Title	Credits
<i>Required</i>		
BIOL 130* <sup>1,4</sup>	Principles of Biology I	4
BIOL 131* <sup>4</sup>	Principles of Biology II	4
BIOL 230* <sup>3,4</sup>	Cell Biology	4
BIOL 236* <sup>4</sup>	Anatomy & Physiology I	4
BIOL 237* <sup>4</sup>	Anatomy & Physiology II	4
CHEM 105* <sup>2,4</sup>	General Chemistry I	3
CHEM 1105* <sup>4</sup>	General Chemistry I (Recitation/Laboratory)	2
CHEM 106* <sup>4</sup>	General Chemistry II	3
CHEM 1106* <sup>4</sup>	General Chemistry II (Recitation/Laboratory)	2
CHEM 207* <sup>4</sup>	Organic Chemistry I	4
CHEM 307* <sup>4</sup>	Biochemistry I	4
ENGL 101 <sup>2</sup>	English Composition I	3
ENGL 102* <sup>2</sup>	English Composition II	3
FYE 1XX <sup>2</sup>	First-Year Experience	3
GSC 101* <sup>2</sup>	Civilizations I	3
GSC 102* <sup>2</sup>	Civilizations II	3
MATH 140* <sup>2,4</sup>	Statistics	3
INTD 180* <sup>2</sup>	Computer Tools for Science & Math	3
FES 407/408	Standard First Aid/CPR/AED	1–3
<i>Restricted electives: Select a minimum of three credits from the following courses.</i>		
MATH 165* <sup>2,4</sup>	Precalculus <sup>2,4</sup>	3
MATH 190* <sup>2,4</sup>	Calculus I <sup>2,4</sup>	3

*Electives: Select a minimum of 11 credits from Biology courses not specified above<sup>3,4,5</sup>.*

*Restricted General Studies Program electives<sup>6</sup>: Select a minimum of 18 credits from General Studies Program elective courses, distributed as follows: Area B1 (3 credits); Area B2 (3 credits); Area C (6 credits); and Area E (6 credits).*

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

<sup>3</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>4</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>5</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

<sup>6</sup>These course requirements meet General Studies Program requirements that are specific to this program and facilitate the timely completion of required courses at New Jersey City University prior to beginning the clinical program at UMDNJ.

***NJCU BS in Biology Undergraduate Affiliation with Jersey Shore Medical Center (JSMC), Medical Laboratory Science Specialization***

An alternate option for students interested in a career in Medical Laboratory Science is a 12-month clinical rotation at JSMC in Neptune, New Jersey. The curriculum below provides but do not guarantee access to this program. After successful completion of the recommended courses and clinical training, a BS degree is awarded by New Jersey City University.

These course requirements meet general studies requirements that are specific to this program and facilitate the timely completion of required courses at New Jersey City University prior to beginning the Medical Laboratory Science program at JSMC. Students must apply for acceptance to JSMC by October 15 of the year prior to beginning a clinical program the following summer. Acceptance to the JSMC program requires a minimum CGPA of 2.75.

Course requirements for completion of the major are listed below. Course Codes with asterisks (\*) have prerequisite and corequisite courses. Course prerequisites and corequisites are listed with the course descriptions that follow.

Each student applying for transfer into the BS in Medical Laboratory Science program will be individually evaluated according to established guidelines. Faculty advisor: Prof. Cynthia Egli, S328, 201-200-3314, cegli@njcu.edu.

Course Code	Course Title	Credits
BIOL 130 <sup>*.1,4</sup>	Principles of Biology I	4
BIOL 131 <sup>*.4</sup>	Principles of Biology II	4
BIOL 230 <sup>*.3,4</sup>	Cell Biology	4
BIOL 236 <sup>*.4</sup>	Anatomy & Physiology I	4
BIOL 237 <sup>*.4</sup>	Anatomy & Physiology II	4
BIOL 303 <sup>*.4,5</sup>	Microbiology	4
BIOL 404 <sup>*.4,5</sup>	Immunology	3
CHEM 105 <sup>*.2,4</sup>	General Chemistry I	3
CHEM 1105 <sup>*.4</sup>	General Chemistry I (Recitation/Laboratory)	2
CHEM 106 <sup>*.4</sup>	General Chemistry II	3
CHEM 1106 <sup>*.4</sup>	General Chemistry II (Recitation/Laboratory)	2
CHEM 207 <sup>*.4</sup>	Organic Chemistry I	4
CHEM 307 <sup>*.4</sup>	Biochemistry I	4
ENGL 101 <sup>2</sup>	English Composition I	3
ENGL 102 <sup>*.2</sup>	English Composition II	3
FYE 1XX <sup>2</sup>	First-Year Experience	3
GSC 101 <sup>*.2</sup>	Civilizations I	3
GSC 102 <sup>*.2</sup>	Civilizations II	3
MATH 140 <sup>*.2,4</sup>	Statistics	3
INTD 180 <sup>*.2</sup>	Computer Tools for Science & Math	3

*Restricted electives: Select a minimum of three credits from Biology courses not specified above<sup>3,4,5</sup>.*

*Restricted electives: Select a minimum of three credits from the following courses.*

MATH 165 <sup>*.2,4</sup>	Precalculus <sup>2,4</sup>	3
MATH 190 <sup>*.2,4</sup>	Calculus I <sup>2,4</sup>	3

*Restricted General Studies Program electives<sup>6</sup>: Select a minimum of 18 credits from General Studies Program elective courses, distributed as follows: Area B1 (3 credits); Area B2 (3 credits); Area C (6 credits); and Area E (6 credits).*

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

<sup>3</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>4</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>5</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

<sup>6</sup>These course requirements meet General Studies Program requirements that are specific to this program and facilitate the timely completion of required courses at New Jersey City University prior to beginning the clinical program at UMDNJ.

***BA/BS in Biology Affiliation with the University of Medicine and Dentistry of New Jersey School of Health-Related Professions (UMDNJ-SHRP): Advanced Dental Hygiene, Diagnostic Medical Sonography, Imaging Sciences, Nuclear Medicine Technology, Advanced Respiratory Care or Vascular Sonography Specializations***

These programs are designed for certified, Associate's degree-holding practitioners of several health-related professions who wish to extend their educational and professional credentials to the baccalaureate level. To meet the changing needs and demands of the health care system and workforce, New Jersey City University and UMDNJ-SHRP offer a program leading to a BA or BS in Biology, Specialization in Advanced Dental Hygiene, Diagnostic Medical Sonography, Imaging Sciences, Nuclear Medicine Technology, Advanced Respiratory Care or Vascular Technology. This BA/BS in Biology is designed for health-related professionals who seek career advancement in their professions. The program combines a broad background in the biological and health sciences with advanced, professional courses and clinical opportunities at New Jersey City University and UMDNJ. Applicants must possess an Associate's degree or professional certificate from a UMDNJ-affiliated New Jersey Community College and a New Jersey license in their fields of specialization (or be eligible for licensure in New Jersey), and must meet all New Jersey City University transfer requirements. Approximately 64 transfer credits will be granted.

Prospective students should consult with the faculty advisor to plan a sequence of Biology, associated science, and mathematics courses required for each area of specialization. Faculty advisor: Dr. Laura Pannaman, S335, 201-200-3054, lpannaman@njcu.edu.

***Graduate and Professional Affiliated Programs***

For the student interested in pursuing a career in biomedical research, dentistry, podiatric medicine, or osteopathic medicine, New Jersey City University has established formal affiliation agreements with the University of Medicine and Dentistry of New Jersey (UMDNJ) and New York College of Podiatric Medicine (NYCPM). These affiliation agreements provide, but do not

guarantee, access to these programs. A minimum grade of "B" must be attained in each Biology, Chemistry, Physics and Mathematics course to be eligible to remain in certain programs. Any student who withdraws from any of these program concentrations prior to graduation is required to complete University (AUR) and Department requirements applicable to the BA/BS degree in Biology including those previously waived for the aforementioned programs.

**1. BIOMEDICAL SCIENCES BS-PHD DUAL DEGREE OPTION WITH UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY GRADUATE SCHOOL OF BIOMEDICAL SCIENCES (UMDNJ-GSBS)**

Since 1994, New Jersey City University, in collaboration with the Graduate School of Biomedical Sciences of the University of Medicine and Dentistry of New Jersey (UMDNJ-GSBS), has offered a unique educational program in which qualified students prepare to pursue a PhD in the Biomedical Sciences. Students admitted to this undergraduate-graduate degree program are required to follow a course of study in Biology or Chemistry at New Jersey City University. During the BS phase of study, students are required to participate in the Summer Undergraduate Research Program at UMDNJ-GSBS. Upon successful completion of prescribed coursework at New Jersey City University, students continue their studies at UMDNJ-GSBS. In the PhD phase of study, students typically receive financial aid in the form of tuition waiver and a graduate fellowship. Upon completing the entire program, students will be awarded a BS degree from New Jersey City University and a PhD degree from UMDNJ-GSBS.

Several suggested course sequences were designed to facilitate the timely completion of required courses at New Jersey City University prior to the graduate phase of the program at UMDNJ-GSBS. Application for admission to the combined BS-PhD program should be made by March 1 of the sophomore year.

Each student applying for this degree option will be evaluated on an individual basis. Students must maintain a minimum CGPA of 3.0 in all coursework and in each science course required for admission to the PhD phase of study. Students should consult with the faculty advisor by end of the freshman year to determine how to best plan a curriculum for this program. Faculty advisor:

Dr. Laura Pannaman, S335, 201-200-3054, lpannaman@njcu.edu.

**2. BA-DMD DUAL DEGREE OPTION WITH UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY NEW JERSEY DENTAL SCHOOL (UMDNJ-NJDS)**

Dentistry deals with the prevention, diagnosis, and treatment of diseases and malformations of the teeth, gums and oral cavity. Highly motivated, entering first-year students are eligible to enter an accelerated program of study leading to the BA in Biology and the DMD in Dentistry. A student participating in this program typically spends three years at New Jersey City University as a Biology major pursuing a BA degree. During the third year, the student takes the Dental Admissions Test (DAT) and applies to UMDNJ-NJDS. If accepted, the student spends the following four years at UMDNJ-NJDS. After the successful completion of the first year at UMDNJ-NJDS, New Jersey City University will grant the student a BA degree in Biology. After completing the fourth year of study at UMDNJ-NJDS, the student is granted the degree of Doctor of Dental Medicine (DMD)

Prospective students should consult with the faculty advisor to plan a sequence of Biology, associated science and mathematics, and General Studies Program courses. Students may opt to complete BS degree requirements by fulfilling additional course requirements. Students must maintain a minimum CGPA of 3.5 in all coursework and attain minimum grades of "B" in all science courses to be eligible for admission to the DMD phase of study. Students will not be granted duplicate credit for courses taken at NJCU if the equivalent course is required at UMDNJ. NJCU courses that are not acceptable for UMDNJ credit are: Anatomy and Physiology I and II, Immunology, Histology, General Physiology, Biochemistry. Faculty advisor: Dr. Laura Pannaman, S335, 201-200-3054, lpannaman@njcu.edu.

**3. BA/DMD COLLABORATIVE DEGREE PROGRAMS WITH THE UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-SCHOOL OF HEALTH RELATED PROFESSIONS (UMDNJ-SHRP) AND THE UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-NEW JERSEY DENTAL SCHOOL (UMDNJ-NJDS)**

This program is designed for certified dental

hygienists who trained at UMDNJ-SHRP as part of a joint associate's (A.A.S.) degree program and who wish to complete baccalaureate degrees to position themselves to enter dental school. In 2001, New Jersey City University, the University of Medicine and Dentistry of New Jersey-School of Health Related Professions (UMDNJ-SHRP), and the University of Medicine and Dentistry of New Jersey-New Jersey Dental School (UMDNJ-NJDS), entered into an agreement to establish a program to permit UMDNJ-SHRP-trained dental hygienists to complete a BA program at New Jersey City University and four years of study in the Dental Education Program at UMDNJ-NJDS. The goal of the program is to advance and broaden the skills of dental health related professionals prepared at the Associate's-degree level. The program provides a pre-dental concentration.

Applicants must possess a joint associate's degree from UMDNJ-SHRP and one of its five academic partner institutions and a New Jersey license in dental hygiene (or be eligible for licensure in New Jersey). Approximately 86 transfer credits will be granted. Prospective students should consult with the faculty advisor to plan a sequence of Biology and related science and mathematics courses. Faculty advisor: Dr. Laura Pannaman, S335, 201-200-3054, lpannaman@njcu.edu.

#### 4. NJCU BS IN BIOLOGY COLLABORATIVE PROGRAM WITH NEW YORK COLLEGE OF PODIATRIC MEDICINE (NYCPM)

Podiatric Medicine specializes in the study and care of the foot, including its anatomy, pathology, and medical and surgical treatment. Students complete the equivalent of three years of study at New Jersey City University as a Biology major, following the BS degree course sequence. During the third year the student takes the Medical College Admissions test (MCAT) and applies to the New York College of Podiatric Medicine. If accepted, the student pursues a doctoral program at the NYCPM. After the successful completion of the first year at NYCPM, New Jersey City University will grant the student a BS degree in Biology. After completing the fourth year of study at NYCPM the student is granted the degree of Doctor of Podiatric Medicine (DPM).

Prospective students should consult with the faculty advisor to plan a sequence of Biology, associated science and mathematics, and General Studies Program courses.

Students must maintain a minimum CGPA of 3.5 in all coursework and attain minimum grades of "B" in all science courses to be eligible for admission to the DPM phase of study. Students will not be granted duplicate credit for courses taken at NJCU if the equivalent course is required at NYCPM. NJCU courses that are not acceptable for NYCPM credit are: Anatomy and Physiology I and II, Immunology, Histology, General Physiology, Biochemistry. Faculty advisor: Dr. Laura Pannaman, S335, 201-200-3054, lpannaman@njcu.edu.

#### 5. NJCU BS IN BIOLOGY COLLABORATIVE PROGRAM WITH UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-SCHOOL OF OSTEOPATHIC MEDICINE (UMDNJ-SOM)

New Jersey City University and the University of Medicine and Dentistry of New Jersey-School of Osteopathic Medicine established an articulation agreement to encourage students to pursue careers in Osteopathic Medicine. Osteopathic Medicine promotes health and prevention, diagnosis, and treatment of human illness, disease, and injury. Osteopathic Medicine focuses special attention on the biological mechanisms by which the musculoskeletal system interacts with all body organs and systems in both health and disease. The Doctor of Osteopathic Medicine (DO) is a fully trained and licensed physician who prescribes drugs, performs surgery, and selectively utilizes all accepted scientific modalities to maintain and restore health. Osteopathic physicians are active in all 50 states.

Prospective students should consult with the faculty advisor to plan a sequence of Biology, associated science and mathematics, and General Studies Program courses. Students must maintain a minimum CGPA of 3.5 in all coursework and attain minimum grades of "B" in all science courses to be eligible for admission to the DO phase of study. Students will not be granted duplicate credit for courses taken at NJCU if the equivalent course is required at UMDNJ. NJCU courses that are not acceptable for UMDNJ credit are: Anatomy and Physiology I and II, Immunology, Histology, General Physiology, Biochemistry. Faculty advisor: Dr. Laura Pannaman, S335, 201-200-3054, lpannaman@njcu.edu.

#### Minor in Biology (MINIMUM 26 CREDITS)

The Minor in Biology provides a broad-based education in modern life science to supplement study in another major program. Through consultation with a faculty advisor, students may select elective courses that focus on cell and molecular biology, biomedical sciences, organismal biology, or environmental studies. The Minor curriculum also includes a basic background in Chemistry. The Minor in Biology prepares students for careers in academic and industrial research; teaching, through the alternate pathway to certification; and for various careers in the publishing, pharmaceutical, biomedical and biotechnology industries. Students should consult with their major department advisor to determine how best to supplement their major field. Students are advised to complete at least CHEM 105/1105 (General Chemistry I, Lecture/Recitation/Laboratory) and CHEM 106/1106 (General Chemistry II, Lecture/Recitation/Laboratory) prior to beginning the junior year.

Course requirements for completion are listed below. Course Codes with asterisks (\*) have prerequisite and corequisite courses. Course prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
BIOL 130 <sup>*1,2,3</sup>	Principles of Biology I	4
BIOL 131 <sup>*2,3</sup>	Principles of Biology II	4
CHEM 105 <sup>*1,3</sup>	General Chemistry I	3
CHEM 1105 <sup>*3</sup>	General Chemistry I (Recitation/Laboratory)	2
CHEM 106 <sup>*3</sup>	General Chemistry II	3
CHEM 1106 <sup>*3</sup>	General Chemistry II (Recitation/Laboratory)	2

*Electives: Select a minimum of eight credits from Biology courses not specified above<sup>3,4</sup>.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."  
<sup>2</sup>Minimum grades of "C-" and a minimum cumulative grade point average (CGPA) of 2.0 in Principles of Biology I and Principles of Biology II must be attained in order to enroll in advanced Biology courses.

<sup>3</sup>A minimum grade of "C" must be attained in each Biology, Chemistry, Physics and Mathematics course in order to earn credit toward Biology Department requirements.

<sup>4</sup>General Chemistry I and General Chemistry II, including recitation/laboratory corequisites, are prerequisites for all 300- and 400-level Biology courses.

## Course Descriptions

### BIOL 100 GENERAL BIOLOGY (3)

This is an introductory course, designed for the nonscientist, in contemporary biology. Lecture.

### BIOL 101 ZOOLOGY (3)

This course studies the structure and function of selected invertebrate and vertebrate groups. Lecture.

### BIOL 102 THE PLANT KINGDOM (3)

This course covers the structure and function of selected plant groups. A major theme of the course is the relationship of plants to human welfare and the environment. Lecture.

### BIOL 103 HUMAN SEXUAL BIOLOGY (3)

This course offers a basic study of sexual expression, reproductive anatomy and physiology, conception, prenatal development and birth. Lecture.

### BIOL 104 THE HUMAN BODY (3)

This course examines the human body as a unit, including its tissues, organs, and organ systems. The correlation of function and structure is emphasized. Interrelationships of the parts to each other are explored in the understanding of homeostasis. Lecture.

### BIOL 106 PRACTICAL NUTRITION (3)

This course explores the application of nutritional principles to daily health maintenance as well as conditions that require special diet management. Lecture.

### BIOL 130 PRINCIPLES OF BIOLOGY I (4)

This course presents the study of the principles of life. Topics include scientific method, cell chemistry and the cell—its structure, function, metabolism and reproduction, and nucleic acid structure and function. Lecture/Recitation/Laboratory.

*Co-requisite:* ENG 101 English Composition I

### BIOL 131 PRINCIPLES OF BIOLOGY II (4)

This is a continuation of BIOL 130. Topics include Mendelian genetics, microbial genetics, chromosomes and sex determination, origin of life, evolution, and an overview of microorganisms, fungi, animals and plants. Lecture/Recitation/Laboratory.

*Prerequisite:* BIOL 130 Principles of Biology I

### BIOL 203 BIOLOGY OF THE ENVIRONMENT (3)

This course offers a study of the relationship between humans and their environment. Basic ecological concepts are developed in lectures and applied in fieldwork. Lecture.

### BIOL 206 LIFE IN THE SEA (3)

This course offers an introduction to plants

and animals found in the sea and life processes of the seashore and open ocean.

Lecture.

### BIOL 230 CELL BIOLOGY (4)

This is an introduction to the structure and function of prokaryotic and eukaryotic cells. The course offers an overview of the organization, physiology and reproduction of cells. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 131 Principles of Biology II

### BIOL 231 COMPARATIVE ANATOMY (4)

This course studies the major steps in chordate evolution through a comparison of structure, function, and adaptation in selected chordates. Emphasis is placed on vertebrates. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 131 Principles of Biology II

### BIOL 232 INVERTEBRATE ZOOLOGY (4)

This course examines the anatomy and physiology of invertebrates. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 131 Principles of Biology II

### BIOL 233 PRINCIPLES OF BOTANY (4)

This is a study of the structure, development and life cycles of algae and plants with emphasis on adaptations to the environment and evolutionary trends and relationships. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 131 Principles of Biology II

### BIOL 236 PRINCIPLES OF ANATOMY AND PHYSIOLOGY I (4)

This course is a comprehensive study of the structure and function of the human body, including the skeletal, muscular, nervous and endocrine systems. This is a required course for Clinical Laboratory Science, Allied Health Technologies and Nursing students. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 131 Principles of Biology II

### BIOL 237 PRINCIPLES OF ANATOMY AND PHYSIOLOGY II (4)

This is a continuation of BIOL 236 and includes the digestive, excretory, reproductive, circulatory, and respiratory systems. This is a required course for Clinical Laboratory Science, Allied Health Technologies and Nursing students. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 131 Principles of Biology II, BIOL 236 Principles of Anatomy and Physiology I

### BIOL 239 BIOLOGICAL EFFECTS OF HAZARDOUS WASTES (3)

This course is an introduction to the hu-

man and ecological systems affected by the major classes of hazardous materials. Their generation, use, and ultimate disposal are discussed. Lecture.

### BIOL 240 BIOLOGICAL ASPECTS OF AGING (3)

This course offers a study of the physiological and structural changes in cells and organisms. Various theories of aging are discussed. Lecture.

*Prerequisite:* BIOL 131 Principles of Biology II, or permission of the instructor

### BIOL 252 EVOLUTION (3)

This course explores the major concepts of evolution, the foundation that supports all of biology, and the experimental and analytical methods used to study evolutionary change. Lecture.

*Prerequisite:* BIOL 131 Principles of Biology II

### BIOL 301 GENERAL PHYSIOLOGY (4)

General Physiology is an integrated study of the mechanism of biological control and coordinated body function in vertebrates. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

### BIOL 302 PLANT PHYSIOLOGY (4)

Plant Physiology is a study of maintenance, growth, and reproduction in plants. Laboratories include techniques used in matter and energy relationships in plants. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

### BIOL 303 MICROBIOLOGY (4)

This course is a survey of microorganisms with emphasis on the bacteria and applications of microbiology. Laboratories stress isolation, cultivation, biochemical, and identification techniques of selected bacteria and other microorganisms. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

### BIOL 304 GENETICS (4)

This course studies the principles of inheritance including transmission genetics, the biochemical basis of inheritance, gene expression and regulation and mutation. Lecture/Recitation/Laboratory.

*Prerequisites:* BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

### BIOL 305 HISTOLOGY (4)

This course examines the microscopic

anatomy of the vertebrate animal, with particular emphasis on the human. A consideration of cell structure and an overview of the basic tissues serve as the basis for the analysis of the organ systems. Lecture/Recitation/Laboratory.

**Prerequisites:** BIOL 230 Cell Biology, BIOL 231 Comparative Anatomy or BIOL 236 Principles of Anatomy and Physiology I, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 306 LIMNOLOGY (4)**

This course is a study of the biology and physiochemistry of fresh water ecosystems such as lakes, ponds, and rivers. Laboratories and field trips are used to emphasize the relationships among fresh water organisms. Lecture/Recitation/Laboratory/Field Trips.

**Prerequisites:** BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 308 PLANT TAXONOMY (4)**

Plant Taxonomy is the study of the diversity of plants and their identification, nomenclature, classification and evolution. Activities include field collection and the preparation of a herbarium. Lecture/Recitation/Laboratory/Field trips.

**Prerequisites:** BIOL 230 Cell Biology II, BIOL 233 Principles of Botany

#### **BIOL 332 FIELD ECOLOGY (4)**

This course is a comparative community ecology course that includes a one-week field trip. Students will learn about the ecological factors responsible for the control and dynamics of plant and animal communities. Emphasis is on field study of selected biotic communities. A field fee is required for this course. Lecture/Recitation/Laboratory/Field Trip

**Prerequisites:** BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory, and consent of the instructor. Students must have prior authorization of the instructor to register for this course.

#### **BIOL 354 PROFESSORIAL ASSISTANT (2)**

This is an individual program arranged as a contract between student and professor. Working closely with the professor, students gain knowledge of and experience in various aspects of college teaching.

**Prerequisites:** Permission of instructor and approval of the Chair, sophomore, junior or senior status, a grade of B or higher in the course in which the student will PA.

#### **BIOL 401 DEVELOPMENTAL BIOLOGY (4)**

This course studies the fundamental con-

cepts underlying the process of development in animals. Patterns and processes of early development as well as the mechanisms of cell differentiation are covered. Lecture/Recitation/Laboratory.

**Prerequisites:** BIOL 230 Cell Biology, BIOL 231 Comparative Anatomy or BIOL 237 Principles of Anatomy and Physiology I, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 402 ECOLOGY (4)**

This course deals with general ecological concepts relevant to all habitats. Emphasis is on field study of biotic communities in various habitats. Lecture/Recitation/Laboratory/Field Trips.

**Prerequisites:** BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory, INTD 180 Computer Tools for Science & Math or MATH 140 Statistics I or MATH 190 Calculus I or PSYC 230 Statistics in the Social Sciences

#### **BIOL 403 RADIATION BIOLOGY (4)**

This course studies the biological effects of ionizing radiations. Laboratories include work with radionuclides and the effects of radiation on plants and animals. Lecture/Recitation/Laboratory.

**Prerequisites:** BIOL 230 Cell Biology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory, PHYS 130 College Physics I

#### **BIOL 404 IMMUNOLOGY (3)**

This course presents the study of mammalian immune system and immune response to infection, with particular emphasis on the human. An overview of immune cells, tissues and organs leads to a detailed discussion of the functions of each type of immune molecule and cell. The immune responses to infectious disease and cancer are examined, along with consideration of immune diseases. Lecture.

**Prerequisites:** BIOL 230 Cell Biology, and BIOL 237 Principles of Anatomy and Physiology II or BIOL 301 General Physiology or BIOL 303 Microbiology, CHEM 106 General Chemistry II and CHEM 1106 General Chemistry II Laboratory

#### **BIOL 405 ETHOLOGY (4)**

This course is a comparative study of the behavior of animals with emphasis on the structure, temporal sequence, and physiological basis of behavior. Lecture/Recitation/Laboratory/Field Trips.

**Prerequisites:** BIOL 230 Cell Biology, BIOL 231 Comparative Anatomy or BIOL

301 General Physiology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 407 CELL & MOLECULAR BIOLOGY I: MOLECULAR CELL BIOLOGY (4)**

This is a study of the form and function of prokaryotic and eukaryotic cells. The organization, physiology and reproduction of cells are examined. Laboratory experiences are designed to introduce classical and contemporary methods of cell study. Lecture/Recitation/Laboratory.

**Prerequisites:** BIOL 230 Cell Biology, BIOL 301 General Physiology or BIOL 303 Microbiology, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 408 CELL & MOLECULAR BIOLOGY II: MOLECULAR GENETICS (4)**

This course examines the physical and biological properties of nucleic acids. DNA replication, gene expression, recombination, mutation and DNA repair are presented. The laboratory component introduces students to the basic techniques of recombinant DNA technology. Lecture/Recitation/Laboratory.

**Prerequisites:** BIOL 230 Cell Biology, BIOL 304 Genetics or CHEM 307 Biochemistry I, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 409 BIOLOGICAL CHEMISTRY (3)**

This course is an overview of the chemical basis of life, with emphasis on biochemical processes. The structures of biomolecules and their nutrient precursors are introduced. Enzymes, nutrient utilization and photosynthesis are considered. Lecture.

**Prerequisites:** BIOL 230 Cell Biology, BIOL 301 General Physiology or BIOL 407 Cell & Molecular Biology I, CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 410 ELECTRON MICROSCOPY (4)**

This course offers a study of the functioning of the electron microscope and its use in biological research. Laboratories include use of the instrument and related techniques. Lecture/Recitation/Laboratory.

**Prerequisites:** BIOL 230 Cell Biology, BIOL 303 Microbiology or BIOL Histology 305; CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

#### **BIOL 440 BIOLOGY SEMINAR (1)**

This capstone course assesses students' abilities to undertake scientific communication. Each student selects a topic in

contemporary biological or medical science for research and presentation in oral and written forms. Discussion.

**Prerequisites:** Completion of five or more BIOL courses numbered 230 or higher; CHEM 106 General Chemistry II, CHEM 1106 General Chemistry II Laboratory

**BIOL 450 BIOLOGY RESEARCH (3)**

This is a course individually designed to provide the undergraduate training in biological research. A project is undertaken under the guidance and supervision of a faculty member. Written reports and a final paper are required.

**Prerequisites:** Permission of instructor and approval of the chairperson, and junior or senior status

**BIOL 454 PROFESSORIAL ASSISTANT (3)**

This is an individual program arranged as a contract between student and professor. Working closely with the professor, students gain knowledge of and experience in various aspects of college teaching.

**Prerequisites:** Permission of instructor and approval of the chairperson, sophomore, junior, or senior status, and a grade of B or higher in the course in which the student will PA.

## CHEMISTRY

Science Building, Rm. 425  
201-200-3066

<http://www.njcu.edu/dept/chemistry>

**Dr. Kenneth Yamaguchi, Chairperson**  
[kyamaguchi@njcu.edu](mailto:kyamaguchi@njcu.edu)

**Professor: Yamaguchi**  
**Assistant Professors: DiGiacomo,**  
**Haouari, He**

Faculty research includes studies in spectroscopic and chromatographic characterization of natural products, biochemistry, synthesis of pharmaceutical intermediates, material science, chemical aspects of art materials, and environmental and forensic issues. Instrumentation available in the department includes 300- and 400-MHz NMRs, LC-MS, laser Raman instruments, FTIR, AAS, IC, x-ray diffractometer, HPLC, GC-MS and capillary electrophoresis. The Chemistry Department is an active participant of the American Chemical Society and other chemical organizations. In addition, the Department has an active Chemistry Club and offers students opportunities to participate in original research and share their research projects.

The Chemistry Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained in detail below. General Studies Program requirements for graduation are listed on **page 26**—"Undergraduate Requirements."

Bachelor of Science in Chemistry, p. 93  
Bachelor of Science in Chemistry—Teacher Certification (Physical Science), p. 94  
Bachelor of Art in Chemistry p. 96  
Bachelor of Art in Chemistry—Teacher Certification (Physical Science), p. 97  
Minor in Chemistry, p. 98



## Bachelor of Science in Chemistry

### (MINIMUM 67 CREDITS)

Completion of this major program prepares one for a career as a quality control chemist, research chemist, process development chemist, forensic/toxicology scientist, or environmental scientist. Continued study may include a master's degree and doctorate in such areas of study as chemistry/biochemistry, medicine and/or dentistry, pharmacy/pharmaceutical.

There are no requirements for admission to this degree track, but students are encouraged to begin taking science and math courses as early as possible in their academic careers.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
CHEM 105* <sup>1</sup>	General Chemistry I	3
CHEM 1105*	General Chemistry I (Recitation/Laboratory)	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II (Recitation/Laboratory)	2
CHEM 205*	Analytical Chemistry	3
CHEM 2205*	Analytical Chemistry (Laboratory)	2
CHEM 207*	Organic Chemistry I	4
CHEM 208*	Organic Chemistry II	4
CHEM 305*	Physical Chemistry I	3
CHEM 306*	Physical Chemistry II	3
CHEM 3306*	Physical Chemistry II (Recitation/Laboratory)	2
CHEM 307	Biochemistry I	4
CHEM 316*	Instrumental Analysis	3
CHEM 3316*	Instrumental Analysis (Laboratory)	2
CHEM 405	Seminar	1
CHEM 416*	Inorganic Chemistry	3
INTD 180 <sup>2</sup>	Computer Tools for Science and Math	3
<i>Restricted electives: Select a minimum of nine credits as one of the following sequences of Calculus courses.</i>		
MATH 192*	Calculus and Analytic Geometry I (recommended)	4
MATH 193*	Calculus and Analytic Geometry II (recommended)	4
MATH 311*	Differential Equations for Engineering (recommended)	4
<i>or</i>		
MATH 190* <sup>2</sup>	Calculus I*	3
MATH 191*	Calculus II*	3
MATH 310*	Differential Equations	3
<i>Restricted electives: Select eight credits as one of the following sequences of Physics courses.</i>		
PHYS 140* <sup>2</sup>	Physics for Engineering I	3
PHYS 1140*	Physics for Engineering I (Recitation/Laboratory)	1
PHYS 141* <sup>2</sup>	Physics for Engineering II	3
PHYS 1141*	Physics for Engineering II (Recitation/Laboratory)	1
<i>or</i>		
PHYS 130* <sup>2</sup>	College Physics I	3
PHYS 1130*	College Physics I (Recitation/Laboratory)	1
PHYS 131* <sup>2</sup>	College Physics II	3
PHYS 1131*	College Physics II (Recitation/Laboratory)	1
<i>Electives: Select a minimum of six credits from the following courses.</i>		
CHEM 301	Medicinal Chemistry	3
CHEM 317*	Spectroscopic Identification of Organic Compounds (Lecture/Laboratory)	3
CHEM 406*	Polymer Chemistry (Lecture/Laboratory)	4
CHEM 412	Inorganic Chemistry Laboratory	2
CHEM 414*	Advanced Organic Chemistry (Lecture)	3
CHEM 420	Food Chemistry (Lecture/Laboratory)	4
CHEM 431*	Industrial Aspects of Chemistry (Lecture/Laboratory)	3
CHEM 492*	Chemical Research	2
CHEM 493*	Chemical Research	3

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

***Bachelor of Science in  
Chemistry with Teacher  
Certification in Physical Science  
(MINIMUM 67 CREDITS)***

Completion of this major prepares one for a career as a physical science teacher in elementary, middle, or high schools in which science is taught as a separate subject. Continued study may include a master's degree in chemistry, biology, biochemistry, education, geology or earth science. Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exams 20245 Chemistry: Content Knowledge and 10435 General Science: Content Knowledge prior to EDU 480 (Internship). Students who are interested in the education certification program must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of the certification program.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
CHEM 105* <sup>1</sup>	General Chemistry I	3
CHEM 1105*	General Chemistry I (Recitation/Laboratory)	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II (Recitation/Laboratory)	2
CHEM 205*	Analytical Chemistry	3
CHEM 2205*	Analytical Chemistry (Laboratory)	2
CHEM 207*	Organic Chemistry I	4
CHEM 208*	Organic Chemistry II	4
CHEM 305*	Physical Chemistry I	3
CHEM 306*	Physical Chemistry II	3
CHEM 3306*	Physical Chemistry II (Recitation/Laboratory)	2
CHEM 307*	Biochemistry	4
CHEM 316*	Instrumental Analysis	3
CHEM 3316*	Instrumental Analysis (Laboratory)	2
CHEM 405	Seminar	1
CHEM 416	Inorganic Chemistry	3
INTD 180	Computer Tools for Science and Math	3
<i>Restricted electives: Select a minimum of nine credits as one of the following sequences of Calculus courses.</i>		
MATH 192*	Calculus and Analytic Geometry I (recommended)	4
MATH 193*	Calculus and Analytic Geometry II (recommended)	4
MATH 311*	Differential Equations for Engineering (recommended)	4
<i>or</i>		
MATH 190* <sup>2</sup>	Calculus I*	3
MATH 191*	Calculus II*	3
MATH 310*	Differential Equations	3
<i>Restricted electives: Select eight credits as one of the following sequences of Physics courses.</i>		
PHYS 140* <sup>2</sup>	Physics for Engineering I	3
PHYS 1140*	Physics for Engineering I (Recitation/Laboratory)	1
PHYS 141* <sup>2</sup>	Physics for Engineering II	3
PHYS 1141*	Physics for Engineering II (Recitation/Laboratory)	1
<i>or</i>		
PHYS 130* <sup>2</sup>	College Physics I	3
PHYS 1130*	College Physics I (Recitation/Laboratory)	1
PHYS 131* <sup>2</sup>	College Physics II	3
PHYS 1131*	College Physics II (Recitation/Laboratory)	1
<i>Electives: Select a minimum of six credits from the following courses.</i>		
CHEM 301	Medicinal Chemistry	3
CHEM 317	Spectroscopic ID of Organic Compounds (Lecture/Laboratory)	3
CHEM 406	Polymer Chemistry (Lecture/Laboratory)	4
CHEM 420	Food Chemistry (Lecture/Laboratory)	4
CHEM 412	Inorganic Chemistry Lab	2
CHEM 414	Advanced Organic Chemistry	3
CHEM 431	Industrial Aspects of Chemistry	3
CHEM 493	Chemical Research	3
<i>Required General Studies Program courses</i>		
BIOL 130 <sup>2</sup>	Principles of Biology I	4
BIOL 131	Principles of Biology II	4
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
GEOS 111 <sup>2</sup>	Principles of Earth Science	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
PSYC 150 <sup>2</sup>	Developmental: Birth through Adolescence	3
<i>or (Continued on next page)</i>		

Course Code	Course Title	Credits
PSYC 152 <sup>2</sup>	Developmental: Adolescence through Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 3372*	Secondary Methods of Teaching Science	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management and Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

**Notes:** <sup>1</sup> General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

### *Bachelor of Arts in Chemistry* (MINIMUM 56 CREDITS)

The Bachelor of Arts degree program in chemistry provides a background in chemistry. This program will prepare one for a career in chemical and related industries, forensic and environmental science, and secondary science education. This program is also appropriate for medical, dental, optometric, osteopathic, law, and pharmacy schools.

There are no requirements for admission to this degree track, but students are encouraged to begin taking science and math courses as early as possible in their academic careers.

Course requirements for the completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
CHEM 105* <sup>1</sup>	General Chemistry I	3
CHEM 1105*	General Chemistry I (Recitation/Laboratory)	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II (Recitation/Laboratory)	2
CHEM 205*	Analytical Chemistry	3
CHEM 2205*	Analytical Chemistry (Laboratory)	2
CHEM 207*	Organic Chemistry I	4
CHEM 208*	Organic Chemistry II	4
CHEM 305*	Physical Chemistry I	3
CHEM 307	Biochemistry I	4
CHEM 316*	Instrumental Analysis	3
CHEM 3316*	Instrumental Analysis (Laboratory)	2
CHEM 405	Seminar	1
INTD 180 <sup>2</sup>	Computer Tools for Science and Math	3
<i>Restricted electives: Select a minimum of six credits as one of the following sequences of Calculus courses.</i>		
MATH 192*	Calculus and Analytic Geometry I (recommended)	4
MATH 193*	Calculus and Analytic Geometry II (recommended)	4
<i>or</i>		
MATH 190* <sup>2</sup>	Calculus I*	3
MATH 191*	Calculus II*	3
<i>Restricted electives: Select eight credits as one of the following sequences of Physics courses.</i>		
PHYS 140* <sup>2</sup>	Physics for Engineering I	3
PHYS 1140*	Physics for Engineering I, Recitation/Laboratory	1
PHYS 141* <sup>2</sup>	Physics for Engineering II	3
PHYS 1141*	Physics for Engineering II, Recitation/Laboratory	1
<i>or</i>		
PHYS 130* <sup>2</sup>	College Physics I	3
PHYS 1130*	College Physics I, Recitation/Laboratory	1
PHYS 131* <sup>2</sup>	College Physics II	3
PHYS 1131*	College Physics II, Recitation/Laboratory	1
<i>Elective: Select a minimum of three credits from the following courses.</i>		
CHEM 301	Medicinal Chemistry	3
CHEM 306*	Physical Chemistry II	3
CHEM 317*	Spectroscopic Identification of Organic Compounds (Lecture/Laboratory)	3
CHEM 406*	Polymer Chemistry (Lecture/Laboratory)	4
CHEM 412	Inorganic Chem Laboratory	2
CHEM 414*	Advanced Organic Chemistry	3
CHEM 416*	Inorganic Chemistry	3
CHEM 420	Food Chemistry (Lecture/Laboratory)	4
CHEM 431*	Industrial Aspects of Chemistry	3
CHEM 492*	Chemical Research	2
<i>or</i>		
CHEM 493*	Chemical Research	3

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

### ***Bachelor of Arts in Chemistry with Teacher Certification in Physical Science***

Completion of this major and New Jersey teacher certification prepares one for a career as a physical science teacher in elementary, middle, or high schools in which science is taught as a separate subject. Continued study may include a master's degree in education, geology or earth science.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and whatever minimum cumulative grade point average has been put into effect by the State at the time a graduate's application for certification arrives at the New Jersey Department of Education. Students who are interested in teacher certification as a physical science teacher must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of education certification program. All Teacher Certification candidates must take and pass the Writing Assessment prior to Field Experience II and the Praxis exams 20245 Chemistry: Content Knowledge and 10435 General Science: Content Knowledge prior to Internship.

Course requirements for the completion of major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
CHEM 105* <sup>1</sup>	General Chemistry I	3
CHEM 1105*	General Chemistry I (Recitation/Laboratory)	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II (Recitation/Laboratory)	2
CHEM 205*	Analytical Chemistry	3
CHEM 2205*	Analytical Chemistry (Laboratory)	2
CHEM 207*	Organic Chemistry I	4
CHEM 208*	Organic Chemistry II	4
CHEM 305*	Physical Chemistry I	3
CHEM 307*	Biochemistry	4
CHEM 316*	Instrumental Analysis	3
CHEM 3316*	Instrumental Analysis (Laboratory)	2
CHEM 405	Seminar	1
INTD 180	Computer Tools for Science and Math	3
<i>Restricted electives: Select a minimum of six credits as one of the following sequences of Calculus courses.</i>		
MATH 192*	Calculus and Analytic Geometry I (recommended)	4
MATH 193*	Calculus and Analytic Geometry II (recommended)	4
<i>or</i>		
MATH 190* <sup>2</sup>	Calculus I*	3
MATH 191*	Calculus II*	3
<i>Restricted electives: Select eight credits as one of the following sequences of Physics courses.</i>		
PHYS 140* <sup>2</sup>	Physics for Engineering I	3
PHYS 1140*	Physics for Engineering I (Recitation/Laboratory)	1
PHYS 141* <sup>2</sup>	Physics for Engineering II	3
PHYS 1141*	Physics for Engineering II (Recitation/Laboratory)	1
<i>or</i>		
PHYS 130* <sup>2</sup>	College Physics I	3
PHYS 1130*	College Physics I (Recitation/Laboratory)	1
PHYS 131* <sup>2</sup>	College Physics II	3
PHYS 1131*	College Physics II (Recitation/Laboratory)	1
<i>Electives: Select a minimum of three from the following courses.</i>		
CHEM 301	Medicinal Chemistry	3
CHEM 306*	Physical Chemistry II	3
CHEM 317	Spectroscopic ID of Organic Compounds (Lecture/Laboratory)	3
CHEM 406	Polymer Chemistry (Lecture/Laboratory)	4
CHEM 420	Food Chemistry (Lecture/Laboratory)	4
CHEM 412	Inorganic Chemistry Lab	2
CHEM 414	Advanced Organic Chemistry	3
CHEM 416	Inorganic Chemistry	3
CHEM 431	Industrial Aspects of Chemistry	3
CHEM 493	Chemistry Research	3
<i>Required General Studies Program courses</i>		
BIOL 130 <sup>2</sup>	Principles of Biology I	4
BIOL 131	Principles of Biology II	4
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
GEOS 111 <sup>2</sup>	Principles of Earth Science	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
PSYC 152 <sup>2</sup>	Adolescence to Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
PSYC 150 <sup>2</sup>	Developmental: Birth through Adolescence	3
<i>or (Continued on next page)</i>		

Course Code	Course Title	Credits
PSYC 152 <sup>2</sup>	Developmental: Adolescence through Adulthood	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 3372*	Secondary Methods of Teaching Science	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management and Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

### Minor in Chemistry (MINIMUM 26 CREDITS)

Students who minor in chemistry must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisite and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
CHEM 105* <sup>1</sup>	General Chemistry I	3
CHEM 1105*	General Chemistry I (Recitation/Laboratory)	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II (Recitation/Laboratory)	2
CHEM 205*	Analytical Chemistry	3
CHEM 2205*	Analytical Chemistry (Laboratory)	2
CHEM 207*	Organic Chemistry I	4
CHEM 208*	Organic Chemistry II	4

*Elective: Select a minimum of three additional credits from Chemistry courses.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

### Course Descriptions

#### CHEM 100 PREPARATION FOR GENERAL CHEMISTRY (3)

This lecture course, or a passing grade on a pre-test, is required before taking Chemistry 105. Measurement, exponential notation, problem solving, graphing and basic chemistry concepts are discussed. Credits are not included as part of major or minor.

**Pre- or corequisite:** MATH 112 Intermediate Algebra

#### CHEM 105 GENERAL CHEMISTRY I, LECTURE (3)

This course provides a qualitative and quantitative description of atomic and molecular structure, gas laws, stoichiometry, thermodynamics, and solution chemistry. This course meets the requirements for students majoring in biological or physical sciences.

**Prerequisite:** CHEM 100 Preparation for General Chemistry

**Corequisite:** CHEM 1105 General Chemistry I, Recitation/Laboratory

#### CHEM 1105 GENERAL CHEMISTRY I, RECITATION/LABORATORY (2)

Taken concurrently with Chemistry 105, this course provides experiences which allow the students to discover the empirical relationships which support the theoretical aspects of General Chemistry I.

**Corequisite:** CHEM 105 General Chemistry I, Lecture

#### CHEM 106 GENERAL CHEMISTRY II, LECTURE (3)

This course is a continuation of Chemistry 105. Topics discussed include equilibrium, acids and bases, precipitation reactions, kinetics, and electrochemistry.

**Prerequisite:** CHEM 105 General Chemistry I, Lecture

**Corequisite:** CHEM 1106 General Chemistry II, Recitation/Laboratory

#### CHEM 1106 GENERAL CHEMISTRY II, RECITATION/LABORATORY (2)

A continuation of Chemistry 1105, the course includes titrations, spectrophotometric work, the use of pH meters, and qualitative analysis. It is taken concurrently with Chemistry 106.

**Corequisite:** CHEM 106 General Chemistry II, Lecture

#### CHEM 111 CHEMISTRY AND CRIME DETECTION (3)

Scientific concepts important to forensics are taught in this course, with an emphasis on chemical theories. The work includes discussions and laboratory exercises on collecting and examining physical evidence.

**CHEM 112 EXAMINATION OF CRIMINAL EVIDENCE (3)**

This course includes the examination of hair, fibers, and paints. Several means of examining drugs are covered. The examination of evidence includes toxicological and serological materials. Death investigation and rape evidence are discussed. Arson, firearms, and evidence from explosions are also covered.

**CHEM 117 PRINCIPLES OF CHEMISTRY, LECTURE (3)**

This course includes basic principles of inorganic, organic and biochemistry. It is designed to meet the needs of students in nursing or allied health and science educators.

*Corequisite:* CHEM 1117 Principles of Chemistry, Laboratory

**CHEM 117 PRINCIPLES OF CHEMISTRY, LABORATORY (1)**

Laboratory work to accompany CHEM 117.

*Corequisite:* CHEM 117 Principles of Chemistry, Lecture

**CHEM 220 ENVIRONMENTAL CHEMISTRY (4)**

This course is intended to provide the student with an understanding of the key environmental issues our world faces, by exploring the chemistry of our air, water and soil and integrating this to describe human and ecological exposures to chemicals in the environment.

*Prerequisite:* Chem 106 General Chemistry II (Lecture) and CHEM 1106 General Chemistry II (Recitation/Laboratory)

**CHEM 205 ANALYTICAL CHEMISTRY, LECTURE (3)**

Precipitation reactions, acid-base phenomenon, spectral and chromatographic analysis, complex formation, and electrochemistry are discussed. The use of statistics in analytical chemistry is also covered.

*Prerequisites:* CHEM 106 General Chemistry II (Lecture), CHEM 1106 General Chemistry II (Recitation/Laboratory)

*Corequisite:* CHEM 2205 Analytical Chemistry, Laboratory

**CHEM 2205 ANALYTICAL CHEMISTRY, LABORATORY (2)**

This course, taken with Chemistry 205, includes gravimetric, volumetric, spectrophotometric, chromatographic, and potentiometric techniques.

*Corequisite:* CHEM 205 Analytical Chemistry, Lecture

**CHEM 207 ORGANIC CHEMISTRY I (4)**

This is a lecture-laboratory course covering the preparation, properties, structure and uses of carbon compounds. Hydrocarbons

of all types and their halogen derivatives are studied. The laboratory experiments utilizing modern instrumentation are integrated with the lecture material.

*Prerequisites:* CHEM 106 General Chemistry II, Lecture; CHEM 1106 General Chemistry II, Recitation/Laboratory

**CHEM 208 ORGANIC CHEMISTRY II (4)**

A continuation of CHEM 207 Organic Chemistry I, this course covers aromatics, alcohols, ethers, carbonyl compounds, and other functional classes. Laboratory work parallels the lecture material.

*Prerequisite:* CHEM 207 Organic Chemistry I

**CHEM 301 MEDICINAL CHEMISTRY, LECTURE (3)**

This course examines the properties and relationship of drug molecules, specific drug classes and structure, physico-chemical properties, Mechanism of drug interactions, synthesis of classes of drugs, interactions of drugs and receptors, and drug metabolism.

*Prerequisite:* CHEM 208 Organic Chemistry II

**CHEM 305 PHYSICAL CHEMISTRY I, LECTURE (3)**

Elementary aspects of thermodynamics with applications to gases, liquids, crystals, chemical equilibria, solutions, and electrochemistry are taught in this course.

*Prerequisites:* CHEM 205 Analytical Chemistry, Lecture; MATH 311 Differential Equations for Engineers or MATH 310 Differential Equations; PHYS 141 Physics for Engineering II, Lecture; and PHYS 1141 Physics for Engineering II, Recitation/Laboratory or PHYS 131 College Physics II, Lecture and PHYS 1131 College Physics II, Recitation/Laboratory

**CHEM 3305 PHYSICAL CHEMISTRY I, RECITATION/LABORATORY (2)**

This course looks at experimental determination of molecular and equilibrium properties of pure substances and solutions. The operation and calibration of instruments are considered. Recitation problem-solving is stressed.

*Corequisite:* CHEM 305 Physical Chemistry I, Lecture

**CHEM 306 PHYSICAL CHEMISTRY II, LECTURE (3)**

This course emphasizes microscopic properties, kinetic theory of gases, statistical mechanics, elementary quantum chemistry, and spectroscopic methods of molecular structure determination.

*Prerequisite:* CHEM 305 Physical Chemis-

try I, Lecture

*Corequisite:* CHEM 3306 Physical Chemistry II, Recitation/Laboratory

**CHEM 3306 PHYSICAL CHEMISTRY II, RECITATION/LABORATORY (2)**

A continuation of Chemistry 3305, the course emphasizes electrochemistry, calorimetry, and the kinetic properties of reactive systems. Recitation problem-solving is stressed.

*Corequisite:* CHEM 306 Physical Chemistry II, Lecture

**CHEM 307 BIOCHEMISTRY I (4)**

This course presents the structure and properties of proteins, fats, carbohydrates, nucleic acids, vitamins, and enzymes. Laboratory work includes methods for the identification of biological compounds.

*Prerequisite:* CHEM 208 Organic Chemistry II

**CHEM 308 BIOCHEMISTRY II (4)**

This course discusses the metabolism of carbohydrates, fats, and proteins. Photosynthesis, nitrogen fixation, cell regulation, regulatory genes, and hormones are also described. Laboratory work includes the isolation and analysis of cell constituents.

*Prerequisites:* CHEM 307 Biochemistry I

**CHEM 316 INSTRUMENTAL ANALYSIS, LECTURE (3)**

Theories of ultraviolet, visible and infrared spectroscopy, gas and liquid chromatography, mass spectrometry, electrochemistry, surface analysis and NMR analyses are presented in this course.

*Prerequisites:* CHEM 205 Analytical Chemistry, Lecture; CHEM 2205 Analytical Chemistry, Laboratory

*Corequisite:* CHEM 3316 Instrumental Analysis, Laboratory

**CHEM 317 SPECTROSCOPIC IDENTIFICATION OF ORGANIC COMPOUNDS (3)**

This course will provide a basis for a comprehensive understanding of molecular structural interpretation of organic compounds. This course will cover a variety of modern analytical instrumental techniques, such as GC-MS, LC-MS, IR,, and NMR. Laboratory work includes the separation, purification, and identification of organic compounds and mixtures.

*Prerequisites:* CHEM 316 Instrumental Analysis, Lecture

**CHEM 3316 INSTRUMENTAL ANALYSIS, LABORATORY (2)**

This course gives students practical experience in the use of modern instruments including ultraviolet, infrared, atomic absorption, nuclear magnetic resonance and

mass spectroscopy, gas and liquid chromatography, electrochemistry, and NMR.

**Corequisite:** CHEM 316 Instrumental Analysis (lecture)

**CHEM 405 SEMINAR (1)**

In this course students prepare a detailed presentation based on the chemical literature and independent research. Research results are presented to chemistry faculty and students at an end-of-year science symposium.

**Prerequisite:** CHEM 208 Organic Chemistry II

**CHEM 406 POLYMER CHEMISTRY (4)**

This course is a study of the organic and physical chemistry of high polymers, including methods of preparation, chemical and physical properties, and structure-property relationships.

**Prerequisites:** CHEM 208 Organic Chemistry II, CHEM 305 Physical Chemistry I, Lecture

**CHEM 412 INORGANIC CHEMISTRY LABORATORY (2)**

This course will provide a basic foundation in experimental inorganic and organometallic chemistry. Specialized synthetic techniques and modern instrumental methods will be used to synthesize and study a variety of these compounds. A variety of organometallic and coordination compounds, catalytic reactions, ligand exchange, and geometric isomerism will be studied using vacuum and inert atmospheres, sublimation, crystallization and evaporative techniques. Advanced NMR, visible and IR spectroscopic, magnetic susceptibility, and electrochemical techniques will be used to investigate these molecular systems.

**Prerequisites:** CHEM 316 Instrumental Analysis, Lecture; and CHEM 3316 Instrumental Analysis, Laboratory

**CHEM 414 ADVANCED ORGANIC CHEMISTRY (3)**

This course covers topics including stereochemistry and conformational analysis, free radicals, molecular rearrangements, and reaction mechanisms. Laboratory work includes selected studies in procedures of synthesis and instrumental techniques for the identification of synthesized materials.

**Prerequisites:** CHEM 208 Organic Chemistry II, CHEM 316 Instrumental Analysis, Lecture; and CHEM 3316 Instrumental Analysis, Laboratory

**CHEM 416 INORGANIC CHEMISTRY (3)**

Selected topics from inorganic chemistry at an advanced level are presented in this course. The stereochemistry, kinetics, and

mechanisms of inorganic reactions, symmetry, molecular orbital theory, and organometallic chemicals and reactions are emphasized.

**Corequisites:** CHEM 305 Physical Chemistry I, Lecture

**CHEM 420 FOOD CHEMISTRY (4)**

This course will provide students with an understanding of the key mechanistic and chemical transformations of foods. Constituents in food such as:

carbohydrates, lipids, proteins, vitamins and minerals, biochemical and functional properties, enzymes and food additives and texture are discussed.

**Prerequisites:** CHEM 205 Analytical Chemistry and CHEM 208 Organic Chemistry

**CHEM 431 INDUSTRIAL ASPECTS OF CHEMISTRY (3)**

This course is a study of the process for making industrial chemicals and the influences of energy, environment and safety regulations on industry. Rudiments of chemical engineering and business and economic practices which govern the management of chemical and pharmaceutical industries are discussed.

**Prerequisites:** CHEM 208 Organic Chemistry II

**CHEM 491: CHEMICAL RESEARCH (1)**

Chemistry majors are encouraged to participate in chemical research under the guidance and supervision of a faculty mentor. This course does not replace other chemistry requirements and a final written paper is required.

**Prerequisites:** The permission of the instructor and the approval of the chairperson and sophomore, junior, or senior status.

**CHEM 492: CHEMICAL RESEARCH (2)**

Chemistry majors are encouraged to participate in chemical research under the guidance and supervision of a faculty mentor. This course does not replace other chemistry requirements and a final written paper is required.

**Prerequisites:** The permission of the instructor and the approval of the chairperson and sophomore, junior, or senior status.

**CHEM 493: CHEMICAL RESEARCH (3)**

Chemistry majors are encouraged to participate in chemical research under the guidance and supervision of a faculty mentor. This course does not replace other chemistry requirements and a final written paper is required.

**Prerequisites:** The permission of the instructor and the approval of the chairperson and sophomore, junior, or senior status.

## COMPUTER SCIENCE

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**Associate Professors: Liu, Ngatchou**

**Assistant Professor: Schlafmitz**

The Computer Science Department offers the Bachelor of Science degree in Computer Science, the Computer Science minor program, and the Computer and Information Systems minor program. Students study and master state-of-the-art theories and applications that prepare them for careers in business, industry and education. The study of Computer Science provides each student with a competitive advantage as the knowledge gained is applicable in a wide range of environments.

The Computer Science curriculum is supported by four computer labs dedicated for use by students enrolled in Computer Science programs and courses that fulfill General Studies Program requirements. The labs provide an environment where faculty support instructional activities and students can implement projects in required course work. Lab activities include hands-on implementation of special projects and assignments that provide real-world experience. This facilitates the eventual transition to the professional environment or to advanced study in the discipline

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## Bachelor of Science in Computer Science

### (MINIMUM 54 CREDITS)

The Computer Science major program consists of 48 credits in Computer Science and 6 credits in Mathematics and Physics. The requirement for admission to this degree track is a minimum grade of C+ in MATH 165 (Precalculus) or its equivalent. To graduate with the B.S. in Computer Science, a student must maintain a 2.5 minimum average in all courses credited toward the major, including MATH 190 (Calculus I), and MATH 191 (Calculus II), and/or PHYS 103 (Physical Principles of Telecommunications) and/or PHYS 240 (Digital Techniques and Applications).

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
CS 101*	Fundamentals of Computer Science I	3
CS 102*	Fundamentals of Computer Science II	3
CS 202*	Discrete Structures I	3
CS 203*	Discrete Structures II	3
CS 204*	Introduction to Computer Organization	3
CS 206*	Concepts of Operating Systems	3
CS 209*	Data Structures	3
CS 300*	Introduction to Computer Architecture	3
CS 306*	Database Design	3
CS 350*	Software Engineering I	3
CS 351*	Software Engineering II/Capstone	3
MATH 190* <sup>1</sup>	Calculus I	3
<i>Restricted electives Select a minimum of three credits from the following courses.</i>		
MATH 191* <sup>1</sup>	Calculus II	3
PHYS 103 <sup>1</sup>	Physical Principles of Telecommunications	3
PHYS 240 <sup>1</sup>	Digital Techniques and Applications	3
<i>Electives: Select 15 credits from the courses below.</i>		
CS 302* <sup>2</sup>	Introduction to Programming Languages	3
CS 304*	Operating System Design	3
CS 307*	Microcomputer Maintenance and Repair***	3
CS 308* <sup>2</sup>	Advanced Microcomputers and Programming	3
CS 310*	Advanced IBM Assembly Language Programming***	3
CS 320 *	Intermediate ADA Language Programming	3
CS 355*	Visual Programming	3
CS 360* <sup>2</sup>	Principles of Computer Graphics	3
CS 365	JAVA Programming	3
CS 401*	Introduction of Algorithms	3
CS 402* <sup>2</sup>	Compiler Design	3
CS 404*	Artificial Intelligence	3
CS 405*	Theory of Computability	3
CS 406*	An Introduction to Expert Systems	3
CS 410*	Introduction to Telecommunications Networks	3
CS 417* <sup>2</sup>	Object-Oriented Methodologies	3
CS 430	Internet Multimedia Programming	3
SPFD XXXX	Seminar in Cooperative Education	3

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

<sup>2</sup>Hands on courses

### **Minor in Computer Science** (MINIMUM 21 CREDITS)

Students who minor in Computer Science must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
CS 101*	Fundamentals of Computer Science I	3
CS 102*	Fundamentals of Computer Science II	3
CS 202*	Discrete Structures I	3
CS 206*	Concepts of Operating Systems	3
CS 209*	Data Structures	3
<i>Restricted electives: Select six credits from the following courses.</i>		
CS 205*	Computational Methods	3
CS 210*	Fundamentals of Telecommunications and Networks	3
CS 232*	Introduction to Database Design and Distributed Searching	3
MATH 191* <sup>1</sup>	Calculus II	3
MATH 260*	Linear Algebra	3
INTD 180 <sup>1</sup>	Computer Tools for Science and Mathematics	3

*Elective: Select three credits from Computer Science courses numbered 300 or higher for which the student has completed the appropriate prerequisite(s).*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

### **Minor in Computer and Information Systems** (MINIMUM 21 CREDITS)

Students who minor in Computer and Information Systems must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
CS 107	Computers and Information Systems	3
CS 210*	Fundamentals of Telecommunications and Networks	3
CS 214 <sup>1</sup>	Business Applications on the Microcomputer I	3
CS 215* <sup>1</sup>	Business Applications on the Microcomputer II	3
CS 232*	Introduction to Database Design and Distributed Searching	3
CS 240	Systems Design and Analysis	3
<i>Restricted electives: Select three credits from the courses below.</i>		
BUSI 203*	Business Statistics	3
BUSI 251	Principles of Accounting I	3
BUSI 252*	Principles of Accounting II	3
BUSI 401*	Accounting Information Systems	3
BUSI 413*	Management Information Systems	3
ECON 220	Understanding Economic and Business Data	3
SECU 150	Introduction to Security	3

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

### **Course Descriptions**

#### **CS 101 FUNDAMENTALS OF COMPUTER SCIENCE I (3)**

This course covers fundamental principles of programming with emphasis on the Object-Oriented programming paradigm. The focus is on using programming for problem solving. Topics covered on programming principles include data types, selection and iterative statements, arrays, structures, input/output statements, and functions. Object-oriented concepts include abstract data types, encapsulation, data hiding, inheritance, polymorphism, objects, and classes.

**Prerequisite:** MATH 165 Pre-Calculus

#### **CS 102 FUNDAMENTALS OF COMPUTER SCIENCE II (3)**

This course is a continuation of CS 101 Fundamentals of Computer Science I and covers advanced topics in programming and object-oriented development. Topics include applets, graphical user interface (GUI), event handling, and exception handling. Additional foci for this course will be on learning basic design idioms and patterns and their use in problem solving. Students will be required to complete several significant programming projects.

**Prerequisite:** CS 101 Fundamentals of Computer Science I

#### **CS 107 COMPUTERS AND INFORMATION SYSTEMS (3)**

This is a general introduction to methods of processing information via modern computer systems. Topics covered include computer system components, primary and secondary storage, input/output devices, system and software development, end user application tools and the modern electronic data processing environment. Students are introduced to the Internet in this course.

#### **CS 115 MICROCOMPUTERS AND PROGRAMMING I (3)**

Students learn basic computer skills and have better understanding of Computer as a medium for representing, storing, manipulating and communicating information. The course covers the computer system: hardware and software. Concepts covered in this course will help student understand current technology.

#### **CS 202 DISCRETE STRUCTURES I (3)**

This course offers an introduction to mathematical concepts and theories used in the study of computer science. It covers topics in propositional and predicate calculus, relations and functions, proof techniques,

induction and recursion, and set theory. This course provides the mathematical foundation for reasoning and problem solving in computer science.

*Prerequisite:* MATH 165 Pre-Calculus

### **CS 203 DISCRETE STRUCTURES II (3)**

This is an introduction to advanced concepts in discrete structures. A continuation of Discrete Structures I, this course covers additional mathematical concepts applicable to problems in the computer science. Topics include graph theory, trees, Boolean algebra, languages and grammars, finite state and Turing machines.

*Prerequisite:* CS 202 Discrete Structures I

### **CS 204 INTRODUCTION TO COMPUTER ORGANIZATION (3)**

This course covers the foundational concepts of basic computer design by studying five major components of computer organization; processor and central processing, memory, control, input/output and software. The interaction between hardware and software is emphasized. Basic machine instruction sets of assembly language are included.

*Prerequisite:* CS 202 Discrete Structures I

### **CS 205 COMPUTATIONAL METHODS (3)**

This is an introduction to numerical methods. Topics may include error analysis, methods for solving simultaneous equations, polynomial approximation, interpolation, quadrature, solving differential equations with initial conditions and the Fast Fourier Transform.

*Prerequisites:* CS 202 Discrete Structures I and MATH 190 Calculus I

### **CS 206 CONCEPTS OF OPERATING SYSTEMS (3)**

This course provides an overview of functionality and design issues in operating systems. This course covers process management; synchronization, deadlock, job scheduling, interrupts, inter-process communications, multi-tasking, memory management; memory hierarchy, virtual memory, cache, associative, file management, I/O device management, concurrency, protection and security. Case Studies of Unix/Linux, Windows XP and other operating systems are included.

*Prerequisite:* CS 102 Fundamentals of Computer Science II

### **CS 209 DATA STRUCTURES (3)**

This course covers basic data structures including stacks, queues, lists, linked trees, graphs, and hash tables and an introduction to the role of such data structures in sorting, merging, searching and hashing.

*Prerequisite:* CS 102 Fundamentals of Computer Science II

### **CS 210 FUNDAMENTALS OF TELECOMMUNICATIONS AND NETWORKS (3)**

This course covers data communications concepts, hardware, and networks as they apply to computer systems. Topics include but are not limited to signal concepts, modulation, synchronous and asynchronous transmission, RS 232, multiplexing signals, modems, communication software protocols and network configuration, open system interconnect, and LAN products.

### **CS 212 ASSEMBLY LANGUAGE PROGRAMMING (VAX) (3)**

This course is designed for students who desire knowledge of DEC VAX assembly language programming.

*Prerequisite:* CS 101 Fundamentals of Computer Science I

### **CS 214 BUSINESS APPLICATIONS ON THE MICROCOMPUTER I (3)**

This is designed for students interested in using application software within a business environment. The focus of this course is Microsoft Office. Students learn to use Microsoft Word, Excel, PowerPoint and Access.

### **CS 215 BUSINESS APPLICATIONS ON THE MICROCOMPUTER II (3)**

This course is a continuation of CS 214. Advanced topics are covered.

*Prerequisite:* CS 214 Business Applications on the Microcomputer I

### **CS 218 MICROCOMPUTERS FOR ELEMENTARY TEACHERS (3)**

This course presents the functions and uses of microcomputers in the elementary school classroom and classroom.

### **CS 222 MICROCOMPUTERS FOR SECONDARY TEACHERS (3)**

This course presents the functions and uses of microcomputers in the secondary school classroom and curriculum.

### **CS 232 INTRODUCTION TO DATABASE DESIGN AND DISTRIBUTED SEARCH (3)**

This is a course designed as a non-technical introduction to database concepts and search methods for databases on the Internet. Topics covered may include relational databases, object-oriented databases, and sequential query languages.

*Prerequisite:* CS 107 Computer and Information Systems or CS 115 Microcomputers and Programming I

### **CS 240 SYSTEMS ANALYSIS AND DESIGN I (3)**

This is a basic course in information systems, focusing on the System Develop-

ment Life Cycle (SDLC). Topics include systems analysis, system environments and constraints, performance and processing, control measures, user requirements, hardware requirements, file design, project documentation and system testing.

*Prerequisite:* CS 107 Computer and Information Systems or CS 115 Microcomputers and Programming I

### **CS 241 SYSTEMS ANALYSIS AND DESIGN II (3)**

This course analyzes practical case problems in information systems design as part of the development of a management information system. General system design features are emphasized so that the course is independent of any particular programming language.

*Prerequisite:* CS 240 Systems Analysis and Design I

### **CS 250 INTRODUCTION TO PROGRAMMING IN ADA (3)**

This introduces and exposes the student to the Department of Defense-sponsored language Ada. It stresses the functionality of Ada as a system-designed language as well as a structured special-purpose language. Topics include basic Ada syntax and semantics, program units, specification, unit bodies, types and information hiding.

*Prerequisite:* CS 209 Data Structures

### **CS 300 INTRODUCTION TO COMPUTER ARCHITECTURE (3)**

Topics for discussion in this course may include arithmetic operations (adders, accumulators, multipliers, dividers), organization and control of computer and microcomputer architecture, machine language and systems principles, microprogramming and microprocessors, hardware-software tradeoffs, parallel computers and distributed processing, array processors, computer networks, registers, interfacing components, bus structures, input/output techniques, and priority interrupts.

*Prerequisite:* CS 204 Introduction to Computer Organization

### **CS 302 INTRODUCTION TO PROGRAMMING LANGUAGES (3)**

The course provides a study of formal languages in the context of computer programming, including a comparison of the syntax and semantics of languages with emphasis on imperative, object-oriented, and functional programming paradigms. Topics include the design and implementation of languages and their translators. A primary goal is the development of the necessary skills to critically evaluate features

of programming languages.

**Prerequisite:** CS 209 Data Structures

### **CS 304 OPERATING SYSTEM DESIGN (3)**

Topics covered in this course include translators, loaders, relocation, linkage editing, interrupt handling, input/output processing, file system organization, memory management, parallel processing, job scheduling, batch systems, semaphores, multiprogramming, multiprocessors and time-sharing networks.

**Prerequisite:** CS 206 Concepts of Operating Systems

### **CS 306 DATABASE DESIGN (3)**

This is an introduction to basic terminology associated with computer database technology. Topics covered may include classical data storage and retrieval methods, information needs within the business environment, access methods, data structures, database management systems, database design methodologies, and data normalization.

**Prerequisites:** CS 209 Data Structures

### **CS 307 MICROCOMPUTER MAINTENANCE AND REPAIR (3)\*\*\*** *Please see department for course description.*

### **CS 308 ADVANCED MICROCOMPUTERS AND PROGRAMMING (3)**

Discussion topics in this course may include the architecture of 16- and 32-bit microprocessors, and machine and assembly language programming for microcomputers.

**Prerequisite:** CS 204 Computer Organization

### **CS 310 ADVANCED IBM ASSEMBLY LANG. PROGRAMMING (3)\*\*\*** *Please see department for course description.*

### **CS 320 INTERMEDIATE ADA LANGUAGE PROGRAMMING (3)**

This course serves as a review of the basic syntax and semantics of Ada and covers advanced topics such as packages, encapsulation of data types and data objects, blocks, exceptions, generics, private types, records and tasking.

**Prerequisite:** CS 250 Introduction to Programming in ADA

### **CS 350 SOFTWARE ENGINEERING I (3)**

This course covers the general scientific principles commonly known as software engineering. It discusses the software development life-cycle, using large-scale software systems as a model. Topics include requirements, specification, design, development, integration, verification, validation, maintenance, and decommissioning. Prototyping, design language, re-engineering, reverse engineering are discussed, while project management, CASE tool and team-work

are stressed. Each team prepares a technical paper and demonstrates a web-based project.

**Prerequisite:** CS 209 Data Structures

### **CS 351 SOFTWARE ENGINEERING II (3)**

This course uses the concepts and techniques developed in CS350 Software Engineering I to allow students working in teams to develop an enterprise software system using all software engineering principles and phases. Advanced software engineering topics such as Client/Server, object-oriented life cycle method, formal methods, component-based, Client/Server using Java and CORBA, web engineering, reengineering, extreme programming, UML, CMM, interoperability and CASE tools are discussed. Projects include the preparation of a technical paper covering all life cycle phases and an in-class presentation using a home page.

**Prerequisite:** CS 350 Software Engineering I

### **CS 355 VISUAL PROGRAMMING (3)**

This course introduces the student to object-oriented/event-driven languages such as Visual BASIC, Visual C++, or Visual J++, focusing on the design of interactive Windows applications and graphical user interfaces (GUI).

**Prerequisite:** CS 102 Fundamentals of Computer Science II

### **CS 360 PRINCIPLES OF COMPUTER GRAPHICS (3)**

This course serves as an introduction to computer graphics hardware and software techniques and applications. Implementation may include OpenGL and DirectX. Students will develop and test graphics algorithms.

**Prerequisite:** CS 209 Data Structures

### **CS 365 ADVANCED JAVA PROGRAMMING (3)**

This course provides an in-depth study of Object Oriented Design (OOD) and advanced Java topics. It presents and applies a "Best Practices" approach to: exception handling, Java Database Connectivity (JDBC), multithreading and synchronization, networking, serialization and marshaling, Remote Method Invocation (RMI), Graphical User Interface (GUI) development using Swing, Enterprise JavaBeans, and server-side programming with servlets and JSP (Java Server pages).

**Prerequisites:** Strong fundamental knowledge of Object Oriented Design in Java, CS101 Fundamentals of Computer Science I and CS102 Fundamentals of Computer

Science II

### **CS 401 INTRODUCTION TO ALGORITHMS (3)**

This course provides intensive study of the design, analysis, and verification of algorithms. Applications are drawn from a wide variety of mathematical and computer science problems.

**Prerequisites:** CS 202 Discrete Structures I and CS 209 Data Structures

### **CS 402 COMPILER DESIGN (3)**

This course focuses on design and implementation concepts in the translation of programming languages. The course covers the architecture of multiphase compilers, including lexical analysis, parsing, and code generation. Tools used in the automatic generation of compilers are studied. A project involving the development of various phases of a compiler will be implemented.

**Prerequisite:** CS 209 Data Structures

### **CS 404 ARTIFICIAL INTELLIGENCE (3)**

This course is a survey of concepts and problems in artificial intelligence research, including natural language processing, knowledge representation, and automatic deduction.

**Prerequisite:** CS 202 Discrete Structures I

### **CS 405 THEORY OF COMPUTABILITY (3)**

This is a survey of theoretical models of computation, notably the Turing machine model, the Markov algorithm model and register machine model, as well as equivalence results relating those models. Considerations of efficiency (complexity theory) are also introduced with an emphasis upon the use of big-O notation to describe the time/space requirements of specific machines. Simulation software is used extensively, thereby enabling students to design and run their own abstract machines. This is an essential course for students interested in pursuing graduate study.

**Prerequisite:** CS 202 Discrete Structures I

### **CS 406 AN INTRODUCTION TO EXPERT SYSTEMS (3)**

Topics covered in the course include hands-on use of production based, rule-based, and frame-based expert system shells. The course discusses the current limitations of expert systems.

**Prerequisite:** CS 202 Discrete Structures I

### **CS 410 TELECOMMUNICATIONS AND NETWORKS (3)**

This course presents an overview of data communications and networking concepts. Topics include signal concepts, modulation, synchronous and asynchronous transmission, multiplexing signals, modems, hubs,

routers, gateways, error detection, network configurations, open system interconnect protocols, TCP/IP, IPv4/IPv6, LAN, ISDN, frame relay, ATM, SONET, Fast Ethernet, network security, DMZ, VLAN/VPN, compression and voice over IP. Medias such as coax, fiber, and wireless are discussed. Each student is assigned a project to present in class.

*Prerequisite:* CS 102 Fundamentals of Computer Science II

**CS 417 OBJECT-ORIENTED  
METHODOLOGIES (3)**

This course introduces students to object-oriented design and analysis contrasted with traditional approaches. The course focuses on the issues involved in the transition of object-oriented design.

*Prerequisite:* CS 209 Data Structures

**CS 505 MICROCOMPUTERS FOR  
ELEMENTARY TEACHERS I (3)**

*Please consult the Graduate Catalog for course description.*

**CS 506 MICROCOMPUTERS FOR  
ELEMENTARY TEACHERS II (3)**

*Please consult the Graduate Catalog for course description.*

**CS 510 MICROCOMPUTERS FOR  
SECONDARY SCHOOL TEACHERS I (3)**

*Please consult the Graduate Catalog for course description.*

**CS 511 MICROCOMPUTERS FOR  
SECONDARY SCHOOL TEACHERS II (3)**

*Please consult the Graduate Catalog for course description.*

**CS 515 STRUCTURED PROGRAMMING  
IN FORTRAN 77 (3)**

*Please consult the Graduate Catalog for course description.*

**CS 520 STRUCTURED PROGRAMMING  
IN PASCAL (3)**

*Please consult the Graduate Catalog for course description.*

**CS XXX STRUCTURED PROGRAMMING  
IN JAVA (3)**

*Please consult the Graduate Catalog for course description.*

**CS 531 ASSEMBLY LANGUAGE  
PROGRAMMING (3)**

*Please consult the Graduate Catalog for course description.*

**CS 535 PROGRAMMING METHODOLOGY  
USING ADA (3)**

*Please consult the Graduate Catalog for course description.*

## ECONOMICS

Karnoutsos Hall, Rm. 606  
201-200-3272  
<http://www.njcu.edu/dept/economics>

**Dr. Harris Hordon, Chairperson**  
[hhordon@njcu.edu](mailto:hhordon@njcu.edu)

**Professors: Hordon, Ghebrat**  
**Associate Professors: Steinberg, Vohra**  
**Assistant Professor: Anderson**

The study of economics provides an excellent preparation for the business of life as well as for a life and career in business, government, law and teaching. The Economics Department presents students with a flexible program of study that allows students to choose elective courses that are most relevant to their individual career and academic goals. Those wishing to pursue a graduate degree in economics or business will find our major program to be a very useful and motivating platform. Students are encouraged to meet with departmental faculty advisors to discuss their career and academic objectives and to select an appropriate program of study.

The Economics Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each of these are explained in detail below. General Studies Program requirements for graduation are listed on [page 26](#)—"Undergraduate Requirements."

Bachelor of Arts in Economics, p. 106  
Bachelor of Arts in Economics—Teacher Certification (Social Studies), p. 107  
Minor in Economics, p. 108

### *Bachelor of Arts in Economics* (MINIMUM 42 CREDITS)

Completion of this major prepares one for a career as a financial trainee, management trainee, or banking trainee. Continued study may include a master's degree in business or a master's and doctorate in economics or another field of the social sciences.

The requirement for admission to this degree is a minimum cumulative grade point average (CGPA) of 2.25.

Course requirements for the completion of major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
ECON 110 <sup>1</sup>	History of Economic Thought	3
ECON 207 <sup>1</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1</sup>	Principles of Economics: Micro	3
ECON 220	Understanding Economic and Business Data	3
ECON 353*	Labor Economics	3
ECON 362*	Intermediate Macroeconomics	3
ECON 363*	Intermediate Microeconomics	3
ECON 364*	Money and Banking	3
ECON 365*	Public Finance	3
MATH 140 <sup>2</sup>	Statistics I	3
<i>Restricted electives: Select a minimum of 12 credits from the following courses.</i>		
ECON 101 <sup>1</sup>	Introduction to Economics	3
ECON 102 <sup>1</sup>	Contemporary Economic Issues	3
ECON 105	Economics of Health Care	3
ECON 215	Personal Finance	3
ECON 271	Investment Principles and Practices	3
ECON 366*	International Trade and Finance	3
ECON 368*	Business and Government	3
ECON 369*	Business Fluctuations and Economic Growth	3
MATH 165 <sup>2,3</sup>	Pre-Calculus (Recommended)	3
MATH 190 <sup>2,3</sup>	Calculus I (Recommended)	3

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See [page 26](#)—"Undergraduate Requirements."

<sup>3</sup>Recommended courses that do not count toward major program credits.

### ***Bachelor of Arts in Economics with Teacher Certification in Social Studies***

#### **(MINIMUM 42 CREDITS)**

Completion of this major and New Jersey teacher certification program prepares one for a career as a social studies teacher in elementary, middle, and high schools in which social studies is taught as a separate subject. Continued study may include a master's degree in education or business or a master's and doctorate in economics or another field of the social sciences.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam and the minimum CGPA that is in effect at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must pass the College of Education Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 10081 Social Studies: Content Knowledge, prior to EDU 480 (Internship). Students who are interested in the education certification program should contact the College of Education for additional requirements necessary for admission to and completion of certification program.

Course requirements for the completion of major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education, as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
ECON 110 <sup>1</sup>	History of Economic Thought	3
ECON 207 <sup>1</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1</sup>	Principles of Economics: Micro	3
ECON 220	Understanding Economic and Business Data	3
ECON 353*	Labor Economics	3
ECON 362*	Intermediate Macroeconomic Analysis	3
ECON 363*	Intermediate Macroeconomic Analysis	3
ECON 364*	Money and Banking	3
ECON 365*	Public Finance	3
MATH 140 <sup>2</sup>	Statistics	3
<i>Restricted electives: Select a minimum of 12 credits from the following courses.</i>		
ECON 101 <sup>1</sup>	Contemporary Economic Issues	3
ECON 105	Economics of Health Care	3
ECON 215	Personal Finance	3
ECON 271	Investment Principles and Practices	3
ECON 366*	International Trade and Finance	3
ECON 368*	Business and Government	3
ECON 369*	Business Fluctuations and Economic Growth	3
MATH 165 <sup>2,3</sup>	Pre-Calculus (Recommended)	3
MATH 190 <sup>2,3</sup>	Calculus I (Recommended)	3
<i>Required General Studies Program courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
GEOS 111 <sup>2</sup>	Principles of Earth Science	3
PSYC 152 <sup>2</sup>	Development: Adolescence to Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
HIST 150 <sup>2</sup>	American History to 1865	3
HIST 152 <sup>2</sup>	American History Since 1865	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
<i>Restricted electives: Select a minimum of three credits from each of the following General Studies Program areas.</i>		
Physical Geography <sup>2</sup>		3
Anthropology <sup>2</sup>		3
Political Science <sup>2</sup>		3
European History <sup>2</sup>		3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301	Challenges in Urban Education	3
LTED 330	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 4372*	Secondary Methods of Teaching Social Studies	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management & Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement.

See **page 26**—"Undergraduate Requirements."

<sup>3</sup>Recommended courses that do not count toward major program credits.

**Minor in Economics****(MINIMUM 27 CREDITS)**

Students who minor in economics must complete the following requirements. A minimum CGPA of 2.25 in Economics courses is required. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
ECON 110 <sup>1</sup>	History of Economic Thought	3
ECON 207 <sup>1</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1</sup>	Principles of Economics: Micro	3
ECON 353*	Labor Economics	3
ECON 362*	Intermediate Macroeconomic Analysis	3
ECON 363*	Intermediate Macroeconomic Analysis	3
ECON 364*	Money and Banking	3
ECON 365*	Public Finance	3
ECON 366*	International Trade and Finance	3
MATH 140 <sup>2</sup>	Statistics I (Recommended)	3
MATH 165 <sup>2</sup>	Pre-Calculus (Recommended)	3

*Electives: Select a minimum of six credits from economics courses, with advice and permission of an Economics Department advisor.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

<sup>2</sup>Recommended courses that do not count toward major program credits.

**Course Descriptions****ECON 101 INTRODUCTION TO ECONOMICS (3)**

This course introduces basic economic concepts and institutions and their application in the American economy. The course focuses on economic decision-making processes of the consumer, business firms, and the government.

**ECON 102 CONTEMPORARY ECONOMIC ISSUES (3)**

This course presents an introduction to economic analysis and policy. Several current economic issues and problems such as energy pricing and availability, environment, quality, inflation, unemployment, and poverty are discussed. The course teaches the importance of modern economic theory.

**ECON 105 ECONOMICS OF HEALTH CARE (3)**

This course provides an economic analysis of the U.S. health care sector. The demand for health and medical care, the delivery of medical services, and the economic aspects of selected health policy issues including National Health insurance, competition between medical care providers, medical cost inflation and public health programs are covered.

**ECON 110 HISTORY OF ECONOMIC THOUGHT (3)**

A systematic study of the history of economic ideas from the pre-industrial era to the modern age is presented in this course. The intellectual and scientific contributions of the great economists are examined in the context of the prevailing social and economic institutions.

**ECON 207 PRINCIPLES OF ECONOMICS: MACRO (3)**

This course provides an introduction to the theory and analysis of the determination of levels of national income and employment, fluctuations of income, monetary and fiscal policy, inflation and growth.

**ECON 208 PRINCIPLES OF ECONOMICS: MICRO (3)**

This course introduces economic theory concerning the pricing of goods and services and the factors of production—land, labor and capital. The concepts and theories of competition, monopoly and other industrial structures are studied in detail.

**ECON 211 BUSINESS AND ECONOMIC STATISTICS (3)**

This survey covers methods to collect, analyze, and interpret data used in business and economic analysis. It provides emphasis



on frequency distribution, measurement of central tendency and dispersion, probability theory, hypotheses testing, correlation and index numbers.

**ECON 215 PERSONAL FINANCE (3)**

This course provides an introduction to the theory and practice of personal financial management and planning. Principles of wealth accumulation, management and disposition are discussed. Specific topics include the economics of insurance and housing, pensions, investments, retirement and estate planning.

**ECON 220 UNDERSTANDING ECONOMIC AND BUSINESS DATA (3)**

Students are introduced to the language and vocabulary of economics and to the world of economic and business quantitative information in this course. The meaning and interpretation of essential economic terminology and business statistics are the central focus of this course. Emphasis is placed on the practical significance and uses of basic economic and business data. Computer literacy and applications are also covered.

**ECON 271 INVESTMENT PRINCIPLES/PRACTICES (3)**

This course provides an introduction to the strategies, principles, and practices of modern investment analysis and the language and terminology of professional investors. A comprehensive overview of stocks, bonds, mutual funds, and other investment vehicles is presented. The concepts of risk, return, portfolio theory, and investment strategy and timing are also examined.

**ECON 353 LABOR ECONOMICS (3)**

This course examines American labor markets and theories of wage determination, the study of unemployment problems, the impact of automation and foreign competition, and current trends in labor markets.

*Prerequisites:* ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

**ECON 354 LABOR RELATIONS (3)**

This course offers a study of labor-management relations. It focuses on the collective bargaining process and the historical and legal foundations of American labor movement. Current case studies are examined.

*Prerequisites:* ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

**ECON 355 COMPARATIVE ECONOMIC SYSTEMS (3)**

This course examines the major modern world economic systems. It presents an analysis of past and present ideological

environments, and a comparison of the economic performance of the Soviet and American economic systems.

*Prerequisite:* ECON 207 Principles of Economics: Macro

**ECON 358 URBAN ECONOMICS: ANALYSIS AND POLICY (3)**

This course offers a comprehensive examination of the economic basis of urban centers, the evolution of urban form and function, patterns of industrial location, commerce and households, and current urban economic problems and trends.

*Prerequisite:* ECON 208 Principles of Economics: Micro

**ECON 359 ECONOMIC DEVELOPMENT THEORY (3)**

This course studies the basic concepts and methods of planning for economic development and the input-output analysis examination of economic development of urban and regional areas, including those of lesser-developed nations.

**ECON 360 BUSINESS ORGANIZATION AND FINANCE (3)**

This course introduces the theory and practice of organizing, conducting, and financing a business. Emphasis is placed on legal, institutional, and economic environments, including government regulation and taxation, in which businesses operate.

**ECON 362 INTERMEDIATE MACROECONOMIC ANALYSIS (3)**

This course offers an intensive examination of aggregate economic theory and focuses on national income determination and its components. Keynesian theories of employment, interest and money, as well as post-Keynesian cycle and growth models, are also covered.

*Prerequisite:* ECON 207 Principles of Economics: Macro

**ECON 363 INTERMEDIATE MICROECONOMIC ANALYSIS (3)**

This course examines the theories of value and price, consumer demand, factor pricing, and the operation of competitive and imperfectly competitive markets.

*Prerequisite:* ECON 208 Principles of Economics: Micro

**ECON 364 MONEY AND BANKING (3)**

This course is designed to introduce the theory of money to students majoring in business, accounting, and economics. The major analytical issues discussed in this course include how money is created, the role of money in the economy, and inflation and the money supply. The role of the dollar in international trade is also discussed.

*Prerequisites:* ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

**ECON 365 PUBLIC FINANCING (3)**

This course is a systematic study of the economic role and function of government-federal, state and local-in the United States economy. The rationale for government intervention in the economy, with regard to allocating resources, redistributing income, regulating industry and promoting economic growth, is examined. Tax theory and policy are also discussed.

*Prerequisite:* ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

**ECON 366 INTERNATIONAL TRADE AND FINANCE (3)**

International trade theory, current world trade patterns and barriers to trade, world monetary and banking systems, and balance of payments are topics covered in this course.

*Prerequisite:* ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

**ECON 368 BUSINESS AND GOVERNMENT (3)**

This course traces the historical and legal frameworks, and economic implications, of public policies towards competition. Analysis and in-depth examination of the anti-trust laws and other forms of regulations, including a study of leading Supreme Court decisions in the area, are covered.

**ECON 369 BUSINESS FLUCTUATIONS AND ECONOMIC GROWTH (3)**

This course is designed to introduce students of economics and of business administration to the study of economic cycles. Periods of expansion towards full employment and the downturn towards theories of the business cycle are presented with updated illustrations taken from contemporary experience. Modern versions of inflation and recession situations are also analyzed.

*Prerequisites:* ECON 207 Principles of Economics: Macro and ECON 208 Principles of Economics: Micro

## ENGLISH

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201- 200-3337  
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**Dr. Hilary Englert, Chairperson**  
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**Professors: Basile, Chadwick, Fisch, Garvey, Giunta, Hamburger, Hildner, Maini,**

**Associate Professors: Blackmore, Broderick, Bumas, Englert, Fausty, Lin, Marks, Wessman**

**Assistant Professors: Cunningham, Gharebghian, Louis, Lynch, McCollie-Lewis, Mohaghegh, Rotenberg-Schwartz, Wadenpfuhl, Wallace**

The mission of the English Department is to facilitate an exemplary education in the liberal arts by training students to read, write, and think critically about texts in a variety of modes and genres. The English program provides developmental and college-level composition course sequences, General Studies and First-Year Experience Program offerings, a major program with concentrations in Journalism, Creative Writing, Literature, and Literature and Writing (designed for students seeking teaching certifications), and a Minor program with Journalism, Creative Writing, and Literature options. The department prepares a diverse student population for success in college coursework, future careers, and roles as public and private citizens. In addition, the major concentrations provide specialized preparation for entry into graduate school, as well as for careers in education, journalism, and fields related to creative writing.

The English Department faculty is actively involved in scholarly research and publication, and the creative work of the faculty includes poetry, prose fiction and nonfiction, essays, and journalism. Each year the English Department publishes *Paths*, a student journal of creative writing. In addition, students publish their expository work in *Explorations: A Journey in Expository Writing*. Each spring, the Depart-

ment celebrates Shakespeare with its "New Jersey Shakespeare Scene Festival," based on the Folger Shakespeare model that has been in existence for more than 25 years. The Department also sponsors a chapter of Sigma Tau Delta, the International English Honors Society.

Students who enjoy reading and writing about literature and/or writing creatively are excellent candidates for the English Major. The English Department offers a rich variety of courses, from which are shaped four concentrations: Creative Writing, Journalism, Literature, and Combined Literature and Writing. The requirement for admission to all concentrations is a cumulative grade point average (CGPA) of 2.0 in General Studies Program courses. Only courses in which grades of "C" or higher are earned are applied to the major requirements. Students are assigned to an English faculty advisor as soon as they declare a major in English.

**First-Year Writing Program:** All matriculated students at the University must successfully complete ENGL 101 (English Composition I) and ENGL 102 (English Composition II), which are All-University Requirements (AURs). Students are admitted to ENGL 101 by earning a sufficient score on either the essay portion of the placement test or the Department's examination, the Writing and Reading Assessment Profile (WRAP). Students who enter the University without sufficient essay-writing skills must enroll in INTD 090/105 (Reading and Writing Across the Disciplines), a course designed to improve reading and writing skills and prepare students to pass the WRAP examination to proceed to ENGL 101. Students should remain continuously enrolled in the writing program until they have successfully completed ENGL 102.

Some fields of employment and areas of graduate study for which the various English concentrations prepare students are noted below. Course requirements for each concentration are explained in detail. The requirements for graduation, in addition to completion of the major area, are listed on **page 26**—"Undergraduate Requirements."

Bachelor of Arts in English—Creative Writing, p. 111

Bachelor of Arts in English—Journalism, p. 112

Bachelor of Arts in English—Literature, p. 113

Bachelor of Arts in English—Combined Literature and Writing Concentration, p. 114

Minors in English, p. 115

### Notes:

1. Successful completion of ENGL 102 (English Composition II) is required to enroll in all English courses numbered 200 or higher.
2. English majors in all concentrations must complete ENGL 213 (Introduction to the Study of Literature) within the first nine credits in the major, and must enroll in ENGL 412 (Capstone Seminar) in their final year of classes.
3. Only courses in which grades of C or higher are earned will be applied to the major.

### *Bachelor of Arts in English— Creative Writing*

#### **(MINIMUM 48 CREDITS)**

Completion of this concentration prepares one for a career as a creative writer, freelance magazine writer, corporate newsletter editor, public relations consultant, advertising copywriter, or speechwriter. Continued study may include a master's degree in creative writing, library science, or business administration, or a master's and doctorate in communications or law.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
ENGL 213*	Introduction to the Study of Literature	3
ENGL 349*	Workshop: Creative Writing	3
ENGL 412*	Capstone Seminar	3
<i>Restricted electives: Select a minimum of six credits in British and six credits in American literature courses. One British literature course must cover a period before 1789 and one course must be a survey. One American literature course must cover a period before 1900 and one must be a survey.</i>		
ENGL 333*	British Literature through the Early Renaissance (to 1603)	3
ENGL 334*	British Literature: Late Renaissance through Enlightenment (1603–1785)	3
ENGL 335*	British Literature: Romantic and Victorian Literature (1785–1901)	3
ENGL 336*	Modern and Contemporary British Literature (1901 to the present)	3
ENGL 337*	American Literature through the Romantic Period (to 1865)	3
ENGL 338*	American Literature: Realism to the Modern Age (1865–1929)	3
ENGL 339*	Modern and Contemporary American Literature (1929–present)	3
<i>Restricted electives: Select a minimum of nine credits from the following workshop courses.</i>		
ENGL 300*	Workshop: Women Writers	3
ENGL 301*	Workshop: Narrative	3
ENGL 376*	Workshop: Poetry	3
ENGL 383*	Workshop: Playwriting	3
ENGL 386*	Workshop: Memoir Writing	3
ENGL 395*	Workshop: Creative Non-fiction	3
<i>Restricted electives: Select a minimum of nine credits from the following advanced seminar courses.</i>		
ENGL 354*	Advanced Seminar: Narrative	3
ENGL 355*	Advanced Seminar: Poetry	3
ENGL 390*	Advanced Seminar: Prose	3
ENGL 392*	Advanced Seminar: Memoir Writing	3
<i>Restricted electives: Select a minimum of nine Literature Course credits.</i>		

***Bachelor of Arts in English—  
Journalism*****(MINIMUM 45 CREDITS)**

Completion of this concentration prepares one for a career as a newspaper reporter, staff radio/TV writer, corporate publications writer, speechwriter, public advocate, researcher, or online newswriter. Continued study may include a master's degree in journalism, creative writing or public administration, or a master's and doctorate in communication.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
ENGL 213*	Introduction to the Study of Literature	3
ENGL 412*	Capstone Seminar	3
<i>Restricted electives: Select a minimum of six credits in British and six credits in American literature courses. One British literature course must cover a period before 1789 and one course must be a survey. One American literature course must cover a period before 1900 and one must be a survey.</i>		
ENGL 333*	British Literature through the Early Renaissance (to 1603)	3
ENGL 334*	British Literature: Late Renaissance through Enlightenment (1603–1785)	3
ENGL 335*	British Literature: Romantic and Victorian Literature (1785–1901)	3
ENGL 336*	Modern and Contemporary British Literature (1901 to the present)	3
ENGL 337*	American Literature through the Romantic Period (to 1865)	3
ENGL 338*	American Literature: Realism to the Modern Age (1865–1929)	3
ENGL 339*	Modern and Contemporary American Literature (1929–present)	3
<i>Restricted electives: Select a minimum of three credits from the following language courses.</i>		
ENGL 341*	History of the English Language	3
ENGL 343*	Linguistics: Language, Culture and Communications	3
ENGL 359*	Grammar and Usage	3
<i>Restricted electives: Select a minimum of 21 credits from the following journalism courses.</i>		
ENGL 375*	Journalism Workshop	3
ENGL 377*	Writing Popular Criticism	3
ENGL 378*	Editing in Contemporary Media	3
ENGL 379*	History of U.S. Media	3
ENGL 381*	Writing the News Story	3
ENGL 382*	Sportswriting	3
ENGL 388*	Writing the Feature Story	3
ENGL 391*	Persuasive Writing	3
ENGL 393*	Public Relations	3
<i>Restricted electives: Select a minimum of three credits from the following journalism workshop courses.</i>		
ENGL 401*	Independent Study in Journalism	3
SPFD X320	Seminar in Cooperative Education	3

### *Bachelor of Arts in English— Literature*

#### **(MINIMUM 42 CREDITS)**

Completion of this concentration prepares one for a career as a book editor, copywriter, public relations staffer, paralegal, or personnel staffer. Continued study may include the pursuit of advanced degrees in business administration or public administration, or a master's and doctorate in communications, English literature, or law.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
ENGL 213*	Introduction to the Study of Literature	3
ENGL 412*	Capstone Seminar	3
<i>Restricted electives: Select a minimum of six credits in British and six credits in American literature courses. One British literature course must cover a period before 1789 and one course must be a survey. One American literature course must cover a period before 1900 and one must be a survey.</i>		
ENGL 333*	British Literature through the Early Renaissance (to 1603)	3
ENGL 334*	British Literature: Late Renaissance through Enlightenment (1603–1785)	3
ENGL 335*	British Literature: Romantic and Victorian Literature (1785–1901)	3
ENGL 336*	Modern and Contemporary British Literature (1901 to the present)	3
ENGL 337*	American Literature through the Romantic Period (to 1865)	3
ENGL 338*	American Literature: Realism to the Modern Age (1865–1929)	3
ENGL 339*	Modern and Contemporary American Literature (1929–present)	3
<i>Restricted electives: Select a minimum of three credits from the following language courses.</i>		
ENGL 341*	History of the English Language	3
ENGL 343*	Linguistics: Language, Culture and Communications	3
ENGL 359*	Grammar and Usage	3
<i>Restricted electives: Select a minimum of six credits from the following international literature courses, in consultation with advisor.</i>		
ENGL 211*	Asian Literature	3
ENGL 214* <sup>1</sup>	Science Fiction	3
ENGL 218* <sup>1</sup>	Short Story	3
ENGL 226* <sup>1</sup>	Women in Literature	3
ENGL 230*	Drama of Greece and Rome	3
ENGL 303* <sup>1</sup>	Development of the Novel	3
ENGL 308*	Satire	3
ENGL 309*	Epic	3
ENGL 311* <sup>1</sup>	The Short Novel	3
ENGL 318*	Postcolonial Literature	3
ENGL 320* <sup>1</sup>	Adolescent in Literature	3
ENGL 323*	World Poetry of the 20th Century	3
ENGL 324*	Irish Literature	3
ENGL 329*	Contemporary World Literature	3
ENGL 351*	African & Caribbean Women Writers	3
ENGL 406*	Mythological Themes in Literature	3
ENGL 420*	Major Cultural Conflicts in Literature	3
<i>Restricted electives: Select a minimum of three credits from the following courses in the literature of race, gender, or sexuality, in consultation with an advisor.</i>		
ENGL 205*	Lesbian and Gay Literature	3
ENGL 211*	Asian Literature	3
ENGL 214* <sup>1</sup>	Science Fiction	3
ENGL 215*	Multicultural U.S. Literature	3
ENGL 218* <sup>1</sup>	Short Story	3
ENGL 220*	Survey of African American Literature	3
ENGL 226*	Women in Literature	3
ENGL 320* <sup>1</sup>	Adolescent in Literature	3
ENGL 351*	African & Caribbean Women Writers	3
ENGL 420*	Major Cultural Conflicts in Literature	3
<i>Restricted electives: Select a minimum of three credits from the following Shakespeare courses.</i>		
ENGL 331*	Shakespeare: Early Works	3
ENGL 332*	Shakespeare: Later Works	3

*Restricted electives: Select a minimum of nine Literature Course credits to achieve a minimum of 42 total credits.*

**Note:** <sup>1</sup> Selected sections of this course may fulfill this requirement. Check with a faculty advisor.

***Bachelor of Arts in English—  
Combined Literature and  
Writing Concentration with  
Teacher Certification—  
Secondary Education (English)  
or K–5 Middle School***  
**(MINIMUM 42 CREDITS)**

Completion of this major prepares one for a career as a certified English teacher in elementary, middle, and high schools in which English is taught as a separate subject. Continued study may include a master's or doctoral degree in English literature, education, library science, communications or public administration.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam and the minimum cumulative grade point average that is in effect at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must pass the College of Education Writing Assessment prior to enrolling in EDU 331 (Field Experience II) and the Praxis exam 10041 English Language, Literature, and Composition: Content Knowledge, and/or 10014 Elementary Education: Content Knowledge and/or 10049 Middle School English Language Arts prior to EDU 480 (Internship). Students who are interested in teacher certification must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of the certification program. English Department requirements are listed below.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
ENGL 213*	Introduction to the Study of Literature	3
ENGL 412*	Capstone Seminar	3
<i>Restricted electives: Select a minimum of six credits in British and six credits in American literature courses. One British literature course must cover a period before 1789 and one course must be a survey. One American literature course must cover a period before 1900 and one must be a survey.</i>		
ENGL 333*	British Literature through the Early Renaissance (to 1603)	3
ENGL 334*	British Literature: Late Renaissance through Enlightenment (1603–1785)	3
ENGL 335*	British Literature: Romantic and Victorian Literature (1785–1901)	3
ENGL 336*	Modern and Contemporary British Literature (1901 to the present)	3
ENGL 337*	American Literature through the Romantic Period (to 1865)	3
ENGL 338*	American Literature: Realism to the Modern Age (1865–1929)	3
ENGL 339*	Modern and Contemporary American Literature (1929–present)	3
<i>Restricted electives: Select a minimum of six credits from the following language courses.</i>		
ENGL 341*	History of the English Language	3
ENGL 343*	Linguistics: Language, Culture, and Communications	3
ENGL 359*	Grammar and Usage	3
<i>Restricted electives: Select a minimum of six credits from the following international literature courses in the, in consultation with advisor.</i>		
ENGL 211*	Asian Literature	3
ENGL 214 <sup>*,1</sup>	Science Fiction	3
ENGL 218 <sup>*,1</sup>	Short Story	3
ENGL 226 <sup>*,1</sup>	Women in Literature	3
ENGL 230*	Drama of Greece and Rome	3
ENGL 303 <sup>*,1</sup>	Development of the Novel	3
ENGL 308*	Satire	3
ENGL 309*	Epic	3
ENGL 311 <sup>*,1</sup>	The Short Novel	3
ENGL 318*	Postcolonial Literature	3
ENGL 320 <sup>*,1</sup>	Adolescent in Literature	3
ENGL 323*	World Poetry of the 20th Century	3
ENGL 324*	Irish Literature	3
ENGL 329*	Contemporary World Literature	3
ENGL 351*	African & Caribbean Women Writers	3
ENGL 406*	Mythological Themes in Literature	3
ENGL 420*	Major Cultural Conflicts in Literature	3
<i>Restricted electives: Select a minimum of three credits from the following courses in the literature of race, gender, or sexuality, in consultation with advisor.</i>		
ENGL 205*	Lesbian and Gay Literature	3
ENGL 211*	Asian Literature	3
ENGL 214 <sup>*,1</sup>	Science Fiction	3
ENGL 215*	Multicultural U.S. Literature	3
ENGL 218 <sup>*,1</sup>	Short Story	3
ENGL 220*	Survey of African American Literature	3
ENGL 226*	Women in Literature	3
ENGL 320 <sup>*,1</sup>	Adolescent in Literature	3
ENGL 351*	African & Caribbean Women Writers	3
ENGL 420*	Major Cultural Conflicts in Literature	3
<i>Restricted electives: Select a minimum of three credits from the following Shakespeare courses.</i>		
ENGL 331*	Shakespeare: Early Works	3
ENGL 332*	Shakespeare: Later Works	3
<i>Restricted electives: Select a minimum of three credits from the following writing courses.</i>		
ENGL 300*	Workshop: Women Writers	3
ENGL 301*	Workshop: Narrative	3

**(Continued on next page)**

Course Code	Course Title	Credits
ENGL 349*	Advanced Seminar: Creative Writing	3
ENGL 354*	Advanced Seminar: Narrative	3
ENGL 355*	Advanced Seminar: Poetry	3
ENGL 376*	Workshop: Poetry	3
ENGL 377*	Writing Popular Criticism	3
ENGL 378*	Newspaper Editing and Design	3
ENGL 381*	Writing the News Story	3
ENGL 382*	Sportswriting	3
ENGL 386*	Workshop: Memoir Writing	3
ENGL 388*	Writing the Feature Story	3
ENGL 390*	Advanced Seminar: Prose	3
ENGL 392*	Advanced Seminar: Memoir Writing	3
ENGL 400*	Writing Internship	3
<i>Elective: Select three credits from English courses numbered 200 and higher.</i>		
<i>Required General Studies Program courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
GEOS 111 <sup>2</sup>	Principles of Earth Science	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
PSYC 150 <sup>2</sup>	Developmental: Birth through Adolescence	3
<i>or</i>		
PSYC 152 <sup>2</sup>	Developmental: Adolescence through Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 3372*	Secondary Methods of Teaching Science	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management and Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

**Notes:** <sup>1</sup>Selected sections of this course may fulfill this requirement. Check with a faculty advisor.

<sup>2</sup>Students who did not select ENGL 209 *Children's and Young Adult Literature as a General Studies Program area D elective may apply it toward English major program requirements.*

### **Minors in English** (MINIMUM 18 CREDITS)

A minor in English may concentrate in Creative Writing, Journalism, or Literature. Students minor in English by completing 18 credits in English courses numbered 200 or higher. Students pursuing a minor in English must work closely with a faculty advisor to design a coherent program.

### **Course Descriptions**

#### **ENGL 101 ENGLISH COMPOSITION I (3)**

English Composition I prepares students to meet the requirements of writing for university course work. This course introduces students to the basic communicative skills of reading, writing, speaking, and listening as well as provides an introduction to research skills.

**Prerequisite:** Successful completion of the university's placement examination or English 090/105.

#### **ENGL 102 ENGLISH COMPOSITION II (3)**

English Composition II introduces students to writing about literature and to the research paper. Students learn to identify and to write critically about literary forms including fiction, nonfiction, narrative, poetry, and drama.

**Prerequisite:** ENGL 101 English Composition I

#### **ENGL 106 WRITING LABORATORY (1)**

This course, taken concurrently with English Composition I, offers students individualized help with grammar, punctuation, spelling, and vocabulary.

#### **ENGL 107 WRITING LABORATORY II (1)**

This course, which may be taken concurrently with English Composition II, offers students individualized help with grammar, punctuation, spelling, and vocabulary.

#### **ENGL 108 ADVANCED ESSAY WRITING (3)**

While primarily intended for students seeking teacher certification, this course is open to all students wishing to improve their ability to write clearly, coherently, and without grammatical errors.

**Prerequisites:** ENGL 101 English Composition I and ENGL 102 English Composition II

#### **ENGL 187 SHAKESPEARE FOR EVERYONE (3)**

This introduction to Shakespeare's works, life, and times closely examines the writer's greatest plays and poems. It sets Shakespeare's writing in its dramatic, historical, and intellectual contexts to develop students' familiarity with and understanding of Shakespeare. This course fulfills a general studies requirement and is not an English elective.

#### **ENGL 188 STORIES OF IMMIGRATION (3)**

Why are journeys, voyages, and quests so important in literature of many countries? What do stories about real voyages tell us about internal travels? Course readings—epics, autobiographies, and other narratives

on emigration/immigration, expatriation, exile, and diaspora—reveal connections between private experience and public, mythic, and historical experiences. This course fulfills a general studies requirement and is not an English elective.

**ENGL 190 LITERATURE AND FILM (3)**

What happens when literary works are adapted as films? Point of view, technique, voice, and style are all translated and transformed in the process. This course examines similarities and differences between works in the two mediums. This course fulfills a general studies requirement and is not an English elective.

**ENGL 192 AMERICAN DREAM IN LITERATURE (3)**

American experience and aspirations are reflected in the readings for this course. Readings may include historical documents as well as more obviously literary works, and will reach back before the twentieth century to provide breadth and context to this exploration. This course fulfills a general studies requirement and is not an English elective.

**ENGL 199 CREATIVE WRITING (3)**

Practice, guidance, and criticism are provided for students wishing to develop their talents for writing poetry, plays, scenarios, or fiction of any length. This course fulfills a general studies requirement and is not an ENGL elective.

**ENGL 200 WRITING FOR BUSINESS (3)**

This course gives students an understanding and appreciation of the purposes, methods, and forms of written communication employed in business, corporate enterprise, and agencies of government. Students practice appropriate forms of communication in a series of writing assignments throughout the semester.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 204 MODERN AMERICAN LITERATURE (SINCE 1890) (3)**

This course provides an in-depth survey of American literature from the turn of the century to the present.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 205 LESBIAN AND GAY LITERATURE (3)**

This course examines literary texts by and about lesbians and gay men. The course concentrates on the portrayal in literature of same-sex love and desire and relates questions of sexuality to issues of aesthetics, gender, race, and class.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 207 MODERN BRITISH LITERATURE (SINCE 1890) (3)**

This course is an in-depth survey of British literature from the turn of the century to the present.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 209 CHILDREN'S AND YOUNG ADULT LITERATURE (3)**

A wide variety of multicultural children's and young adolescent literature is examined in this course. Students engage in rigorous literary and critical analysis of this literature in different genres. Note: This course fulfills an Area D, General Studies Program elective for students in the Bachelor of Arts-Combined Literature Track, Teacher Certification Secondary Education (English), or K-8 and English as a Dual Major.).

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 211 ASIAN LITERATURE (3)**

This course provides a study of Asian literature and may include works by Asian American authors.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 213 INTRODUCTION TO THE STUDY OF LITERATURE (3)**

Students will learn the necessary advanced skills to major in English. Those skills include but are not limited to close reading, demonstrating knowledge and application of literary terms, demonstrating the skills of summary/paraphrasing, analyzing poetry, acquiring a working knowledge of literary criticism, and possessing a clear understanding of documentation skills.

*Prerequisites:* ENGL 102 English Composition II.

**ENGL 214 SCIENCE FICTION (3)**

This course provides an analysis of modern speculative fiction and examines the attitudes towards both current and future worlds.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 215 MULTIETHNIC U.S. LITERATURE (3)**

This course engages students in a comprehensive study of U.S. minority writers, including works by African American, Latino/a, Asian American, Native American, and immigrant authors.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 216 WESTERN LITERATURE TO 1620 (3)**

This course is a survey of literary masterpieces from the ancient world and medieval and renaissance Europe.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 217 WESTERN LITERATURE FROM 1620 (3)**

This survey course focuses on literary masterpieces of the Western world from the seventeenth to the end of the nineteenth century.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 218 THE SHORT STORY (3)**

This course is designed to provide students with a study of the development and techniques of the short story.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 220 SURVEY OF AFRICAN-AMERICAN LITERATURE (3)**

This course is an introduction to the works of major African American writers. Some of the featured authors may include Douglass, Hughes, Wright, Larson, and Morrison.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 223 AMERICAN ROMANTICISM: 1800-1865 (3)**

This course offers an in-depth study of the works of the American Romantic period with emphasis on major writers like Emerson, Hawthorn, Melville, and Poe.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 224 AMERICAN REALISM AND NATURALISM: 1865-1890 (3)**

This course is an in-depth study of the works of American realism and naturalism authors with emphasis on major writers like Twain, James, Howells, and Crane.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 226 WOMEN IN LITERATURE (3)**

Students examine the female literary tradition and the characterization and role of women in literature.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 227 SURVEY OF DRAMATIC LITERATURE TO 1620 (3)**

This course examines several genres of drama including the English Comedy of Manners and the major comedies of Moliere and tragedies of Racine, while drawing an evolutionary line to the development of modern realism in the works of Ibsen,



Strindberg, Shaw, and Chekhov.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 228 SURVEY OF DRAMATIC LITERATURE FROM 1620 (3)**

The course examines the major plays and the theatrical movements of the 20th century and beyond, including works by Brecht, O'Neill, Williams, Miller, Beckett, Pinter, Fugard, Wilson, and Hwang—and the cultural contexts that inspired Surrealism, Impressionism, and Absurdism.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 230 CLASSICAL DRAMA OF GREECE AND ROME (3)**

This course examines the origins of Western Drama through the major tragedies and comedies of Classical Greece and Rome, including works by Aeschylus, Sophocles, Euripides, Aristophanes, Plautus, and Seneca. The cultural and historical contexts that generated these plays are also addressed.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 300 WORKSHOP: WOMEN WRITERS (3)**

This is a workshop that focuses on writing by and about women in a variety of forms.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 301 WORKSHOP: NARRATIVE (3)**

This course deals with the writing of imaginative prose: fictional essays, expository essays, documentaries, autobiography, and narrative writing.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 303 DEVELOPMENT OF THE NOVEL (3)**

In this course students study the development of the novel as a literary form from its beginnings to the experimental novels of modern times.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 306 MODERN POETRY (3)**

This course is the study of the techniques, forms, and themes of modern poets of the English speaking world.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 308 SATIRE (3)**

This course is a comprehensive study of the methods and tools the satirists use to ridicule human vice and folly. Authors include Swift, Shaw, Voltaire, Aristophanes, Chaucer, and Austen.

*Prerequisite:* ENGL 102 English Composi-

tion II.

**ENGL 309 EPIC (3)**

As a study of the epic period, students survey works dating from the time of Homer. Some emphasis is on the elements of epic narrative and style.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 310 MEDIEVAL AND RENAISSANCE DRAMA (3)**

This course examines the development of British Drama from the Early Middle Ages through the Jacobean era, charting the evolution from the theologically inspired Mystery Cycles and Moralities to the popular, secular plays of, among others, Marlowe, Shakespeare, and Webster.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 311 THE SHORT NOVEL (3)**

Students study the development and techniques of the short novel, emphasizing its special characteristics and its relation to the short story on the one hand and the novel proper on the other.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 313 STORIES OF TEACHING AND LEARNING (3)**

What do teachers and students from different countries, times, and challenges reveal about their expectations and learning styles? Reading narratives from areas including Iran, the Philippines, Europe, and the Americas lets us--as students and future teachers--analyze how power, class, cultural difference, and colonial domination affect literacy and education.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 318 POSTCOLONIAL LITERATURE (3)**

This course will examine a range of literatures in previously colonized countries in Africa, Asia, Australia, Latin America, and the Caribbean. The course will explore colonial legacies in postcolonial works from a variety of literary genres as they relate to themes, ideas, form, technique, and style focusing on the hybridization of cultures as a result of colonialization. The bulk of class time will be spent reading, discussing, and analyzing the form and content of postcolonial writing within historical, social, and cultural contexts. Current postcolonial theories and the discourse of power and domination will also be analyzed and critiqued.

*Prerequisite:* ENGL 102 English Composi-

tion II.

**ENGL 320 ADOLESCENT IN LITERATURE (3)**

The critical examination of a diverse selection of adolescent narratives that focus on growing up makes up the work of this course. Students will analyze these stories of growth, development, and identity formation within, but not limited to, the following contexts: race, class, gender, and/or sexual orientation.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 323 WORLD POETRY OF THE TWENTIETH CENTURY (3)**

This survey covers the techniques, forms, and themes of twentieth century poets of the English and non-English speaking worlds. Non-English works are read in translation.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 324 IRISH LITERATURE (3)**

Major writers in Irish Literature are presented in this course.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 325 CLASSICAL LITERATURE IN TRANSLATION (3)**

This is a study of the great works of classical antiquity, mainly from Greece and Rome.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 326 EIGHTEENTH-CENTURY BRITISH LITERATURE (3)**

An in-depth study of British literature in the late seventeenth and eighteenth centuries featuring works of major writers like Swift and Pope is pursued in this course. The course builds on the work of the surveys.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 327 ROMANTICISM IN ENGLAND (3)**

This course offers an in-depth study of British literature from 1798 to 1832 featuring major writers like Wordsworth, Coleridge, Keats, and Mary Shelley. This course builds on the work of the survey courses on British literature.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 329 CONTEMPORARY WORLD LITERATURE (3)**

This course surveys works written in the twentieth century by significant writers of both the English speaking and non-English speaking worlds.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 330 ELIZABETHAN LITERATURE (3)**

Significant literary works and authors are examined in historical context of the age of Elizabeth, a golden age of English prosperity and experimentation in language and literary forms. This course also includes major poets and playwrights other than Shakespeare and builds on the work of the surveys.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 331 SHAKESPEARE:**

**EARLY WORKS (3)**

In this course plays and sonnets from the first half of Shakespeare's career (to approximately 1600) are studied.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 332 SHAKESPEARE:**

**LATER WORKS (3)**

This course focuses on selected plays from the second half of Shakespeare's career (from approximately 1601-1612).

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 333 BRITISH LITERATURE THROUGH THE EARLY RENAISSANCE (3)**

This course offers a broad overview of British literature from the Anglo-Saxon age to the death of Elizabeth I in 1603.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 334 BRITISH LITERATURE: LATE RENAISSANCE THROUGH THE ENLIGHTENMENT (1603-1785) (3)**

This course presents an overview of British literature from the late Renaissance through the Enlightenment.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 335 BRITISH LITERATURE: ROMANTIC AND VICTORIAN LITERATURE (1785-1901) (3)**

This course provides an overview of British literature during the Romantic and Victorian periods.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 336 MODERN AND CONTEMPORARY BRITISH LITERATURE (1901 TO PRESENT) (3)**

An overview of the modern and contemporary periods is examined in this course.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 337 AMERICAN LITERATURE THROUGH THE ROMANTIC PERIOD (3)**

This course presents an overview of American literature from its beginning until 1865.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 338 AMERICAN LITERATURE: REALISM TO THE MODERN AGE (1865-1929) (3)**

This course presents an overview of American literature from the time of American Realism to the Modern period.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 339 MODERN AND CONTEMPORARY AMERICAN LITERATURE (1929 TO PRESENT) (3)**

This course provides an overview of the modern and contemporary periods in U.S. literature from 1929 to the present.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 341 HISTORY OF THE ENGLISH LANGUAGE (3)**

This course focuses on the historical development of the English language from its beginnings to the present day. The primary concern is the analysis of language change, with examples from relevant literary periods.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 343 LINGUISTICS: LANGUAGE, CULTURE, AND COMMUNICATION (3)**

This course is an in-depth study of the effect of culture and language on communication.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 347 EFFECTIVE SPEAKING (3)**

This is a study of the elements of effective speaking: the preparation, delivery, and evaluation of oral communication. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 349 ADVANCED SEMINAR: CREATIVE WRITING (3)**

This is a writing course for students interested in doing advanced creative writing in poetry, fiction, and creative non-fiction. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 350 AGE OF CHAUCER (3)**

This is a Chaucer-centered study of medieval literature, exclusive of drama. The course builds on the work of ENGL 333

British Literature through the Early Renaissance.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 351 AFRICAN AND CARIBBEAN WOMEN WRITERS (3)**

This course is an introduction to women writers from West Africa and the Caribbean. The works of the West African and Caribbean women writers are compared to and contrasted with each other.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 354 ADVANCED SEMINAR: NARRATIVE (3)**

This is a writing course for students interested in doing advanced writing in narrative styles. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 355 ADVANCED SEMINAR: POETRY (3)**

This is a writing course for students interested in doing advanced writing in poetry. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 356 THE VICTORIAN AGE (3)**

Building on the work of the other survey courses, an in-depth study of British literature of the Victorian age, featuring such writers as Browning, Wilde, Dickens, the Brontes, and George Eliot is pursued in this course.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 359 GRAMMAR AND USAGE (3)**

This course provides an intensive study of the structure and usage of contemporary English.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 361 TECHNICAL WRITING (3)**

Emphasis is given to developing the skills needed for effective writing in the natural and social sciences. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 370 CREATIVE NONFICTION (3)**

Creative Nonfiction includes personal essay, interview, travel writing, nature writing, and biography. It covers the historical dimension and contemporary ramifications of creative nonfiction for students writing in this genre. Readings include a mixture of canonical and contemporary writers to help students understand the tradition in which they are participating.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 372 ADVANCED EXPOSITORY WRITING (3)**

Students in this course do advanced work in expository writing such as persuasion, analysis, and description. The course may be useful to students not only in the humanities but also in the physical and social sciences and the arts. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 375 JOURNALISM WORKSHOP (3)**

This workshop offers practical experience in newsgathering and reporting, feature and editorial writing, and editing. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 376 WORKSHOP: POETRY (3)**

This workshop is for students interested in writing poetry and understanding its various forms and elements. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 377 WRITING**

**POPULAR CRITICISM (3)**

Techniques of writing reviews of entertainment forms (e.g., books, films, television programs, plays, and music) are studied in this introductory course.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 378 EDITING IN CONTEMPORARY MEDIA (3)**

Newspaper deskwork—headline writing, makeup and typography and selecting, editing, and rewriting news and feature copy will be studied as well as the skills necessary for effective desktop publishing. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 379 HISTORY OF JOURNALISM (3)**

American journalism, from its inception to the present, will be covered including such issues as confidentiality of sources, privacy and ethical standards.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 381 WRITING THE NEWS STORY (3)**

Advanced news writing and information-gathering skills are taught in this course. Students study in depth the different types of news stories and alternative ways of writing those stories. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 382 SPORTSWRITING (3)**

This course trains students to write about sports and explores the role of sports in American society. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 383 PLAYWRITING WORKSHOP (3)**

This course combines a playwriting workshop format with the study of dramatic literary history and dramatic readings. It provides theoretical and historical background of performance and writing and introduces students to playwriting.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 385 VOICE AND DICTION (3)**

Students will focus on improving their techniques of speaking in this course—their diction, articulation, and pronunciation. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 386 WORKSHOP: MEMOIR WRITING (3)**

Designed as a process-oriented workshop on memoir writing, the course explores the differences between memoir and autobiography. It also examines strategies for memoir writing, the creative process underlying the genre, and the contexts in which the contemporary memoir has emerged. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 388 WRITING**

**THE FEATURE STORY (3)**

This introductory course in interpretive journalism focuses on writing columns, editorials, and reviews, interviewing public figures, and understanding some press law and ethics. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 390 ADVANCED SEMINAR:**

**PROSE (3)**

In this advanced prose seminar, students work on professional and/or creative writing projects designed with the assistance of the class and the instructor. Enrollment is limited to 15.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 391 PERSUASIVE WRITING (3)**

The study and practice of persuasive writing is designed to convince an audience in a

compelling fashion. Particular attention is paid to emotional, ethical, and logical appeals to the reader. Enrollment is limited to 15 students.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 392 ADVANCED SEMINAR: MEMOIR WRITING (3)**

Advanced students of creative writing will further develop and experiment with the strategies of memoir writing in this process-oriented advanced workshop.

*Prerequisites:* ENGL 102 English Composition II; ENGL 386 Workshop: Memoir Writing or permission of instructor

**ENGL 393 PUBLIC RELATIONS (3)**

In order to acquaint students with the varied and innovative methods used by organizations and individuals to gain the attention of the press and public, this course covers the history of public relations and analyzes its role in contemporary society, both negative and positive. Students learn how to write press releases, newsletters, speeches and how to plan print and television publicity campaigns.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 396 TRANSLATION WORKSHOP (3)**

This English elective course is open to all majors at the undergraduate level. Translation Workshop facilitates students' acquisition of critical reading, writing, and analytic skills required to prepare a text for translation and to recreate that text in another language.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 400 WRITING INTERNSHIP (3)**

This internship provides an opportunity for qualified students to receive training and practice as peer tutors by tutoring other students who seek help with their writing.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 406 MYTHOLOGICAL THEMES IN LITERATURE (3)**

Orpheus, Prometheus, Oedipus, and Christ represent major mythological themes dealing with love, temptation, salvation, and transcendence. The employment of these themes in major works of literature is also discussed.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 409 LITERARY THEORY (3)**

This course is an historical introduction to the great critics and schools of criticism from antiquity to the present day.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 410 THEMATIC STUDIES IN ENGLISH (3)**

Thematic Studies in English is a specialized literature and language course offered on an experimental basis.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 412 CAPSTONE SEMINAR: CURRENT ISSUES IN THE DISCIPLINE OF ENGLISH (3)**

The capstone is a research-intensive, culminating seminar that affords students in the last semester of the English major the opportunity to examine a critical issue current within the discipline of English studies and to participate in a rigorous exchange about this issue with their peers and with published scholars.

*Prerequisite:* ENGL 102 English Composition II, ENGL 213 Introduction to the Study of Literature, Minimum 90 credits; Minimum 32 credits in English.

**ENGL 420 MAJOR CULTURAL CONFLICTS IN LITERATURE (3)**

Students pursue an historical analysis of the major ideological conflicts reflected in American literature that have contributed to contemporary mores.

*Prerequisite:* ENGL 102 English Composition II.

**ENGL 501 ENGLISH CONTENT PRAXIS REVIEW (1)**

This course prepares students to take the English Content PRAXIS, the subject assessment in English required to obtain certification to teach secondary language arts in New Jersey. The course offers a broad review of different topics in English as well as strategies for effective test taking and time management.

*Prerequisite:* ENGL 102 English Composition II.

## ENGLISH AS A SECOND LANGUAGE (Academic Support Programs — see p.44)

Karnoutsos Hall, Rm. 205  
201-200-3087  
<http://web.njcu.edu/sites/dept/ESL>

**Dr. Anne Mabry, Coordinator**  
[amabry@njcu.edu](mailto:amabry@njcu.edu)

**Professors: Coreil, Haber**  
**Associate Professor: Mabry**  
**Assistant Professors: Holley,**  
**Martinez-Guzman, Monroe**  
**Testing Administrator: Leonor**

The English as a Second Language program at New Jersey City University is committed to serving the educational and cultural needs of a highly diverse urban student population. The Department's courses primarily aim to teach academic writing and reading, and are designed to equip students with the English language, literature, and research skills that are required to perform effectively in courses leading to a bachelor's degree, as well as in their future careers.

The program consists of many levels of coursework, which include ESL equivalents of the All-University Requirements of English Composition I and II. The program also provides academic support services for its students by offering free one-on-one tutoring and making available materials from its lending library.

In association with the Multicultural Center, the ESL Program houses the Center for Imagination in Language Learning (CILL), which periodically sponsors the Conference on the Role of the Imagination in Language Learning. Many of the presentations at the conference are published in *The Journal of the Imagination in Language and Learning and Teaching*.

*Note:* The ESL program is currently under review and revision. Please check with the ESL Coordinator for the latest curriculum requirements and course credit information.

\*Effective January 2012, ESL 100 will become ESL 098 for 6 non-degree hours. Also offered for non-matriculated students through Continuing Education.

\*\*Effective January 2012, ESL 107 will become ESL 100

### Course Descriptions

**ESL 096 BEGINNING ESL  
(6 NON-DEGREE HOURS)**

The beginner learns fundamental listening, speaking, reading, and writing skills. The emphasis is on the basic foundations of English grammar, oral language skills, and pre-composition skills.

**ESL 097 ELEMENTARY ESL  
(6 NON-DEGREE HOURS)**

Elementary ESL is for those students who already have some oral and written skills in English. The focus is on the acquisition of basic grammar, conversation, pronunciation, academic writing, and increased reading ability in English.

**ESL 100 INTERMEDIATE EXPOSITORY WRITING I: ESL (6)\***

The primary focus of this course is on the basic concept and techniques of expository writing. A secondary focus is on listening comprehension and oral skills. Expository and literary readings are assigned. An ongoing review is made of grammar relevant to course activities.

**ESL 107 INTERMEDIATE**

**EXPOSITORY WRITING II: ESL (6)\*\***

This course is designed to teach non-native speakers of English how to move beyond the basics of composition writing to more advanced academic writing. Students learn essential features of academic writing, such as how to structure paragraphs for greater cohesion, how to write theses for variety of rhetorical structures, and how to develop theses. Readings are grouped around several themes. Students also develop greater accuracy in grammar and vocabulary, and are introduced to the principles of effective oral presentations.

**ESL 101 ENGLISH COMPOSITION I:  
ESL (6)**

This course is designed to develop the reading, writing, and critical thinking skills for university coursework. Students develop academic writing in a variety of rhetorical styles. Readings include fiction, poetry, expository writing, editorials, newspaper articles, scientific texts, and reference materials. Grammatical accuracy is emphasized. Preparation for research is included. *Note:* Successful completion of this course satisfies the All University Requirement (AUR) ENGL 101 English Composition I.

**ESL 102 ENGLISH COMPOSITION II:****ESL (6)**

Students are introduced to the various genres of literature and expository writing. They develop communications skills for academic purpose and the skills necessary for writing in a variety of rhetorical modes including definition and example, comparison and contrast, cause and effect, and persuasive essays. The second half of the course is devoted to the development and organization of the research paper. Note: Successful completion of this course satisfies the All University Requirement (AUR) ENGL 102 English Composition II.

*Prerequisite:* ESL 101 English Composition I: ESL

**ESL 104 ADVANCED EXPOSITORY****WRITING: ESL (3)**

This course is designed to teach students how to produce advanced level expository essays, a short documented research paper, and strengthen their critical thinking and note-taking skills in order to analyze university-level written and spoken materials.

**ESL 105 ACCENT REDUCTION I: ESL (3)**

This course is designed for intermediate students of English as a Second Language who still need help with their oral comprehension and production skills. The focus of the class is to review the English sound system which includes stress, intonation, and rhythm patterns.

**ESL 106 ACCENT REDUCTION II: ESL (3)**

This course is designed for the more advanced students who still need to develop and refine advanced oral skills. The focus of this course is the improvement of listening and speaking skills.

**ESL 108 AMERICAN CULTURE ESL (3)**

This supplemental course, designed for high intermediate ESL students, has a twofold purpose. It is designed to 1) be a systematic introduction to the vitality and complexity of the United States—its values, beliefs, geography, and inhabitants; and 2) strengthen academic study skills especially in reading and writing.

**INTD 121 COMPUTER AS A TOOL: ESL (2)**

This two credit course is designed to: 1) present an overview of the personal computer, 2) familiarize students with current versions of those applications with the most direct impact on the student's college experience; and 3) introduce the use of e-mail and the Internet. The course helps English as a Second Language students to develop their own overall language skills (reading,

listening, writing, and speaking) so they can function in an academic environment.

**ESL 125 VIDEO AND FILM****IN THE STUDY OF ENGLISH (3)**

This course surveys audio-visual materials now available for the teaching of English as a second or foreign language. The course reviews educational and non-educational media such as films, videos, audiotapes, radio programs, and computer-driven technology to make students aware of possibilities for their own study and to explore images of the United States conveyed through these media. Students perceive and develop an interactive relationship between the above materials and their special areas of interest.

**ESL 126 TOPICS AND THEMES****IN USA MYTHOLOGY (3)**

This course focuses on legends, fairy tales, nursery rhymes, special events, fictional characters, and historical personalities that together constitute American mythology. Students are taught techniques of determining the meaning of such references and of using them in their conversations and writing. The course also provides a review of current controversies concerning language. Each offering of the course concentrates on a different topic or theme.

**ESL 301 ESL TUTORING INTERNSHIP (1)**

This one-credit course provides a faculty-supervised opportunity for undergraduates in any major to receive training and experience in tutoring students enrolled in English as a Second Language classes. Note: Interns are paid for their tutoring work.

## ETHNIC AND IMMIGRATION STUDIES

Karnoutsos Hall, Rm. 505  
201-200-3251

Dr. Rosemary Fox Thurston,  
Dr. Anne Mabry, Coordinators  
rthurston2@njcu.edu;  
amabry@njcu.edu

This multidisciplinary, interdepartmental minor is organized around the theme of pluralism and ethnic diversity in American life and culture. It is designed to help students develop a recognition and understanding of the contributions of the different ethnic groups that make up American society. New Jersey City University provides a unique opportunity for the study of immigration and ethnicity because of its proximity to Ellis Island and its own ethnic diversity. The minor in Ethnic and Immigration Studies will be of service to those students whose career interests include social services, teaching, health services, law enforcement and counseling.

### *Minor in Ethnic and Immigration Studies* (18 CREDITS)

Course Code	Course Title	Credits
<i>Required courses (9 credits):</i>		
ETHN 114 <sup>1</sup>	Immigration in American History	3
ETHN 201	Ethnic and Racial Stereotypes in Film and Television (MED 335 Film Genre: Race and Ethnicity in Film satisfies this requirement)	3
ETHN 221	Cultural Assimilation of America's Ethnic Groups	3
<i>Elective courses (9 credits):</i>		
AFRO 106 <sup>1</sup>	Black Identity and Culture	3
ART 107	African-American Workshop	3
ART 108	African and African-American Art	3
ENGL 188 <sup>1</sup>	Stories of Immigration	3
ETHN 115 <sup>1</sup>	The Asian American Experience	3
MDT 105	African and African American Music	3
MDT 106 <sup>1</sup>	Jazz History	3
ENGL 215	U.S. Minority Writers	3
LATI 204	Latin American and Caribbean Communities in the U.S.	3
MDT 255	Music in an Urban Setting	3
MDT 295	Black Dance	3
SOC 244	Ethnic Families in America	3
SOC 254	Urban Sociology	3
SOC 265	Racial and Ethnic Minorities	3
HIST 402	Social Aspects of American History	3

*Note:* <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26** — "Undergraduate Requirements."

### Course Descriptions

#### **ETHN 114 IMMIGRATION IN AMERICAN HISTORY (3)**

The focus of this course is the study and analysis of the impact of immigration on the development of modern America. The experiences and contributions of ethnic immigration groups are stressed. (Cross-listed with History.)

#### **ETHN 115 THE ASIAN AMERICAN EXPERIENCE (3)**

This survey deals with the experience of Asian Americans, particularly immigration and the problems encountered, integration into the broader American society, relations with other ethnic groups, and achievements and aspirations. (Cross-listed with History.)

#### **ETHN 201 ETHNIC AND RACIAL STEREOTYPES IN FILM AND TELEVISION (3)**

This course focuses on ethnic stereotyping by analyzing major films and television programs. The evolution of ethnic stereotypes of various groups (Blacks, Hispanics, Native Americans, Asians, Italians, Poles and Slavs, Irish, Germans and Jews) is traced from the birth of motion pictures to film and television programs of today.

#### **ETHN 221 CULTURAL ASSIMILATION OF AMERICA'S ETHNIC GROUPS (3)**

This course is concerned with the sociological phenomena associated with the movement of people from one cultural world to another. It considers the impact of migration to a land with different norms and values both on the individuals involved as well as on the society receiving the immigrants.

## GEOSCIENCE/GEOGRAPHY

Rossey Hall, Rm. 608  
201-200-3161  
<http://web.njcu.edu/dept/geoscience>

**Dr. William Montgomery, Chairperson**  
[wmontgomery@njcu.edu](mailto:wmontgomery@njcu.edu)

**Professors: Abend, Montgomery, O'Brien**  
**Associate Professors: Freile, Aydin**

The Geoscience/Geography faculty and students are involved in many areas of research, especially those involving urban environments. Faculty and students make significant contributions to the community by bringing scientific methods and high technology to bear upon problems of local concern such as aging infrastructure, urban redevelopment and sprawl, and environmental contamination. Our mission is to train and equip our students with the skills and knowledge needed for success as science teachers, technical professionals, and managers. The Department also hosts the Geoscience Club and encourages its majors to participate in field studies in the Caribbean, the western U.S., and other areas.

The Geoscience/Geography Department offers more than one degree track that focus on three subject areas: Earth Science, Environmental Science, and Geology. Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained below. General Studies Program requirements for graduation are listed on **page 26**—"Undergraduate Requirements."

Bachelor of Arts in Geoscience—  
Environmental Science, p. 123  
Bachelor of Arts in Geoscience—  
Elementary or Early Childhood  
Education, p. 124  
Bachelor of Arts in Geoscience  
Teacher Certification (Earth Science  
Secondary Education), p. 125  
Bachelor of Science in Geoscience—  
Environmental Science, p. 126  
Bachelor of Science in Geoscience—  
Geology, p. 127  
Bachelor of Science in Geoscience—  
Teacher Certification (Earth Science  
Secondary Education), p. 128  
Minor in Geography, p. 129  
Minor in Geoscience, p. 129  
Certificate in Geographic Information  
Science (GIS), p. 129

### *Bachelor of Arts in Geoscience—Environmental Science* **(MINIMUM 56 CREDITS)**

Completion of this major prepares one for a non-technical career in non-profit and/or government service. Continued study may include a master's degree in business or a doctoral degree in law.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.5 and a minimum GPA of 2.0 in General Studies Program courses.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOS 109	Principles of Environmental Science	3
GEOS 112 <sup>1</sup>	Introduction to Geology	3
GEOS 221*	Essential Methods in Geology	3
GEOS 246*	Earth Materials	4
GEOS 340*	Hydrology I	3
GEOS 348*	Environmental Geology	3
GEOS 434*	Earth Surface Processes	4
CHEM 117 <sup>2</sup>	Principles of Chemistry	3
CHEM 1117	Principles of Chemistry Lab	2
MATH 140 <sup>2</sup>	Statistics	3
MATH 165 <sup>2</sup>	Precalculus	3
PHYS 101 <sup>2</sup>	Basic Concepts of Physics	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
GEOS 211*	Geology of the Bahamas	3
GEOS 540*	Geology of New Jersey	3
GEOS 550*	Geology of National Parks	4
<i>Electives: Select a minimum of 16 credits from Geoscience and/or Geography course numbered 200 or higher. The following courses are especially recommended.</i>		
GEOS 241*	Historical Geology	4
GEOS 317*	Structural Geology	4
GEOS 334*	Sedimentology & Stratigraphy	4
GEOS 336*	Field Methods in Geoscience	4
GEOG 350*	GIS II: Analysis with GIS	3
GEOS 446*	Introduction to Geochemistry	3
GEOS 447*	Introduction to Geophysics	4
GEOG 455*	GIS III: Modeling with GIS	3

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

***Bachelor of Arts in Geoscience  
with Teacher Certification in  
Elementary or Early Childhood  
Education***

**(MINIMUM 42 CREDITS)**

Completion of this dual degree program prepares one for a career as a certified teacher in preschool through 3rd grade (P-3) or K-5/Middle School. Continued study may include a master's and/or doctoral degree in early childhood education, English as a second language, special education, and literacy education.

Admission to the education certification program requires a minimum CGPA of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 10439 Middle School Science and 10014 Elementary Education: Content Knowledge or 10022 Early Childhood: Content Knowledge prior to EDU 480 (Internship).

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
GEOS 109	Principles of Environmental Science	3
GEOS 112 <sup>1</sup>	Introduction to Geology	3
GEOS 114 <sup>1</sup>	Introduction to Meteorology	3
GEOS 115 <sup>1</sup>	Introduction to Oceanography	3
GEOS 221*	Essential Methods in Geology	3
GEOS 241*	Historical Geology	4
GEOS 246*	Earth Materials	4
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
GEOS 211*	Geology of the Bahamas	3
GEOS 540*	Geology of New Jersey	3
GEOS 550*	Geology of National Parks	4
<i>Electives: Select a minimum of 16 credits from Geoscience and/or Geography course numbered 200 or higher. The following courses are especially recommended.</i>		
GEOS 242*	Global Tectonics	3
GEOG 250* <sup>1</sup>	GIS I: Applications of GIS	3
GEOS 317*	Structural Geology	4
GEOS 334*	Sedimentology and Stratigraphy	4
GEOS 336*	Field Methods in Geoscience	4
GEOS 340*	Hydrology	3
GEOS 348*	Environmental Geology	3
GEOS 434*	Earth Surface Processes	4
<i>Required General Studies Program courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 1042	The Human Body	3
CHEM 100	Prep for General Chemistry (Elementary/ Middle School Certification candidates)	3
ENGL 209 <sup>2</sup>	Children's and Young Adult Literature	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
MATH 165 <sup>2</sup>	Precalculus	3
MATH 205 <sup>2</sup>	Problem Solving	3
PHYS 101 <sup>2</sup>	Basic Concepts of Physics	3
PHYS 113 <sup>2</sup>	Introduction to Astronomy	3
PSYC 150 <sup>2</sup>	Birth to Adolescence	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 3372*	Secondary Methods of Teaching Science	3
LTED 370*	Secondary Reading and Language Workshop	2
Phase IV (Taken concurrently)		
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8
EDU 485*	Classroom Management and Assessment	2

**Notes:** <sup>1</sup> General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See page 26— "Undergraduate Requirements."



***Bachelor of Arts in Geoscience with Teacher Certification in Earth Science/Secondary Education***

**(MINIMUM 54 CREDITS)**

Completion of this major and New Jersey teacher certification program prepares one for a career as an earth science teacher in elementary schools, middle schools, and high schools in which science is taught as a separate subject. Continued study may include a master's degree in geology or earth science.

Admission to the education certification program requires a minimum CGPA of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 20571 Earth and Space Sciences: Content Knowledge and 10435 General Science: Content Knowledge prior to EDU 480 (Internship).

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOS 109	Principles of Environmental Science	3
GEOS 112 <sup>1</sup>	Introduction to Geology	3
GEOS 114 <sup>1</sup>	Introduction to Meteorology	3
GEOS 115 <sup>1</sup>	Introduction to Oceanography	3
GEOS 221*	Essential Methods in Geology	3
GEOS 241*	Historical Geology	4
GEOS 246*	Earth Materials	4
CHEM 117 <sup>2</sup>	Principles of Chemistry	3
PHYS 101 <sup>2</sup>	Basic Concepts of Physics	3
MATH 165 <sup>2</sup>	Precalculus	3
INTD 180 <sup>2</sup>	Computer Tools for Science & Math	3
<i>or</i>		
GEOG 250* <sup>1</sup>	GIS I: Applications of GIS	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
GEOS 211*	Geology of the Bahamas	3
GEOS 540*	Geology of New Jersey	3
GEOS 550*	Geology of National Parks	4
<i>Electives: Select 16 a minimum of credits from Geoscience and/or Geography course numbered 200 or higher. The following courses are especially recommended.</i>		
GEOS 242*	Global Tectonics	3
GEOG 250* <sup>1</sup>	GIS I: Applications of GIS	3
GEOS 317*	Structural Geology	4
GEOS 334*	Sedimentology and Stratigraphy	4
GEOS 336*	Field Methods in Geoscience	4
GEOS 340*	Hydrology	3
GEOS 348*	Environmental Geology	3
GEOS 434*	Earth Surface Processes	4
<i>Required General Studies Program Courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
PSYC 152 <sup>2</sup>	Adolescence to Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 3372*	Secondary Methods of Teaching Science	3
LTED 370*	Secondary Reading and Language Workshop	2
Phase IV (Taken concurrently)		
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8
EDU 485*	Classroom Management and Assessment	2

**Notes:** <sup>1</sup> General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

***Bachelor of Science  
in Geoscience—  
Environmental Science***  
**(MINIMUM 66 CREDITS)**

Completion of this major prepares one for a career as an environmentalist, hydrologist, mining engineer, geologist, or geological technician. Continued study may include a master's degree in earth science, geology or engineering.

The requirements for admission to this degree track are a minimum CGPA of 2.5 and a minimum GPA of 2.0 in General Studies Program courses.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOS 109	Principles of Environmental Science	3
GEOS 112 <sup>1</sup>	Introduction to Geology	3
GEOS 221*	Essential Methods in Geology	3
GEOS 246*	Earth Materials	4
GEOS 340*	Hydrology I	3
GEOS 348*	Environmental Geology	3
GEOS 434*	Earth Surface Processes	4
CHEM 105*	General Chemistry I	3
CHEM 1105*	General Chemistry I,, Recitation & Laboratory	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II, Recitation & Laboratory	2
PHYS 130*/1130*	College Physics I, Lecture, Recitation & Laboratory	4
<i>or</i>		
BIOL 130	Principles of Biology I	4
PHYS 131*/1131*	College Physics II, Lecture, Recitation & Laboratory	4
<i>or</i>		
BIOL 131	Principles of Biology II	4
MATH 190*	Calculus I	3
MATH 191*	Calculus II	3
<i>or</i>		
MATH 140	Statistics	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
GEOS 211*	Geology of the Bahamas	3
GEOS 540*	Geology of New Jersey	3
GEOS 550*	Geology of National Parks	4
<i>Electives: Select a minimum of 16 credits from Geoscience and/or Geography course numbered 200 or higher. The following courses are especially recommended.</i>		
GEOS 241*	Historical Geology	4
GEOS 317*	Structural Geology	4
GEOS 334*	Sedimentology & Stratigraphy	4
GEOS 336*	Field Methods in Geoscience	4
GEOG 350* <sup>1</sup>	GIS II: Analysis with GIS	3
GEOS 446*	Introduction to Geochemistry	3
GEOS 447*	Introduction to Geophysics	4
GEOG 455*	GIS III: Modeling with GIS	3

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—“Undergraduate Requirements.”

**Bachelor of Science in  
Geoscience—Geology**

**(MINIMUM 66 CREDITS)**

Completion of this major prepares one for a career as a mineralogist, paleontologist, petrologist, structural geologist, or geophysicists. Continued study may include a master's degree in mineralogy, geology, or geophysics.

The requirements for admission to this degree track are a minimum CGPA of 2.5 and a minimum CGPA of 2.0 in General Studies Program courses.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOS 112	Introduction to Geology	3
GEOS 221*	Essential Methods In Geology	3
GEOS 241*	Historical Geology	4
GEOS 246*	Earth Materials	4
GEOS 317*	Structural Geology	4
GEOS 334*	Sedimentology and Stratigraphy	4
GEOS 336*	Field Methods in Geoscience	4
CHEM 105*	General Chemistry I	3
CHEM 1105*	General Chemistry I, Recitation & Laboratory	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II, Recitation & Laboratory	2
PHYS 130*	College Physics I	3
PHYS 1130*	College Physics I, Recitation & Laboratory	1
PHYS 131*	College Physics II	3
PHYS 1131*	College Physics II, Recitation & Laboratory	1
MATH 190*	Calculus I	3
MATH 191*	Calculus II	3
<i>or</i>		
MATH 140	Statistics	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
GEOS 211*	Geology of the Bahamas	3
GEOS 540*	Geology of New Jersey	3
GEOS 550*	Geology of National Parks	4
<i>Electives: Select a minimum of 13 credits from Geoscience and/or Geography course numbered 200 or higher. The following courses are especially recommended.</i>		
GEOS 242*	Global Tectonics	3
GEOS 340*	Hydrology I	3
GEOG 350*	GIS II Contemporary Analysis w/GIS	3
GEOS 431*	Petrology	4
GEOS 434*	Earth Surface Processes	4
GEOS 446*	Introduction to Geochemistry	3
GEOS 447*	Introduction to Geophysics	4
GEOS 448*	Stellar Astronomy	3
GEOS 449*	Solar System Astronomy	3
GEOG 455*	GIS III: Modeling with GIS	3

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

***Bachelor of Science in  
Geoscience—Teacher  
Certification in Earth Science/  
Secondary Education***  
**(MINIMUM 66 CREDITS)**

Completion of this major and New Jersey teacher certification prepares one for a career as an earth science teacher in elementary schools, middle schools, or high schools in which science is taught as a separate subject. Continued study may include a master's degree in geology or earth science.

Admission to the education certification program requires a minimum CGPA of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 20571 Earth and Space Sciences: Content Knowledge and 10435 General Science: Content Knowledge prior to EDU 480 (Internship).

Course requirements for completion include the following. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOS 109 <sup>1</sup>	Principles of Environmental Science	3
GEOS 112 <sup>1</sup>	Introduction to Geology	3
GEOS 114 <sup>1</sup>	Introduction to Meteorology	3
GEOS 115 <sup>1</sup>	Introduction to Oceanography	3
GEOS 221*	Essential Methods in Geology	3
GEOS 241*	Historical Geology	4
GEOS 246*	Earth Materials	4
CHEM 105*	General Chemistry I	3
CHEM 1105*	General Chemistry I, Recitation & Laboratory	2
CHEM 106*	General Chemistry II	3
CHEM 1106*	General Chemistry II, Recitation & Laboratory	2
INTD 180 <sup>2</sup>	Computer Tools for Science & Math	3
<i>or</i>		
GEOG 250* <sup>2</sup>	GIS I: Applications of GIS	3
MATH 190* <sup>2</sup>	Calculus I	3
MATH 191*	Calculus II	3
<i>or</i>		
MATH 140 <sup>2</sup>	Statistics	3
PHYS 130*	College Physics I	3
PHYS 1130*	College Physics I, Recitation & Laboratory	1
PHYS 131*	College Physics II	3
PHYS 1131*	College Physics II, Recitation & Laboratory	1
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
GEOS 211*	Geology of the Bahamas	3
GEOS 540*	Geology of New Jersey	3
GEOS 550*	Geology of National Parks	4
<i>Required General Studies Program Courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
PSYC 152 <sup>2</sup>	Adolescence to Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
<i>Electives: Select a minimum of 13 credits from Geoscience and/or Geography course numbered 200 or higher. The following courses are especially recommended.</i>		
GEOS 242*	Global Tectonics	3
GEOG 250*	GIS I: Applications of GIS	3
GEOS 317*	Structural Geology	4
GEOS 334*	Sedimentology and Stratigraphy	4
GEOS 336*	Field Methods in Geoscience	4
GEOS 340*	Hydrology	3
GEOS 348*	Environmental Geology	3
GEOS 434*	Earth Surface Processes	4
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 3372*	Secondary Methods of Teaching Science	3
LTED 370*	Secondary Reading and Language Workshop	2
Phase IV (Taken concurrently)		
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8
EDU 485*	Classroom Management and Assessment	2

**Notes:** <sup>1</sup>General Studies Program elective course that does not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

**Minor in Geography  
(MINIMUM 18 CREDITS)**

Students who minor in Geography must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisite and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOG 111 <sup>1</sup>	Physical Geography	3
GEOG 112 <sup>1</sup>	Cultural Geography of the Developing World	3
<i>Restricted electives: Select a minimum of six credits from the courses below.</i>		
GEOG 113 <sup>1</sup>	Human Impact on the Environment	3
GEOG 114	Problems of Modern Cities	3
GEOG 211*	Conservation & Management of Natural Resources	3
GEOG 250* <sup>1</sup>	GIS I: Applications of GIS	3
<i>Electives: Select a minimum of six credits from Geoscience or Geography courses numbered 200 and above.</i>		
<b>Notes:</b> <sup>1</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See <b>page 26</b> —“Undergraduate Requirements.”		

**Minor in Geoscience  
(MINIMUM 18 CREDITS)**

Students who minor in Geoscience must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisite and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOS 112 <sup>1</sup>	Introduction to Geology	3
GEOS 221*	Essential Methods in Geology	3
GEOS 241*	Historical Geology	4
<i>Electives: Select a minimum of eight credits from Geoscience courses numbered 200 and above.</i>		
<b>Notes:</b> <sup>1</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See <b>page 26</b> —“Undergraduate Requirements.”		

**Certificate in Geographic Information Science (GIS)**

GIS was developed in the 1960s and 1970s in response to the need for computer-based, mapping, analysis and decision, this 12-credit GIS Certificate program equips students with critical skills and knowledge through rigorous, hands-on coursework, followed by a capstone research/problem-solving experience. NJCU GIS-based projects (80+ since 1999) are frequently funded for our students, evidence of the value that organizations place upon those students able to use GIS.

The requirements for admission to this degree track are Basic Computer Skills (Pre-Program Assessment) and Basic Math Proficiency (AUR Math requirement). Course codes with asterisks (\*) have prerequisite or corequisite courses, listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
GEOG 250* <sup>1</sup>	GIS I: Applications of GIS	3
GEOG 350* <sup>1</sup>	GIS II: Analysis with GIS	3
GEOG 455*	GIS III: Modeling with GIS	3
<i>Elective: Select a minimum of three credits of SPFD X320 (Seminar in Cooperative Education), Independent Study, or other research-based course, in consultation with a faculty advisor.</i>		
<b>Notes:</b> <sup>1</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See <b>page 26</b> —“Undergraduate Requirements.”		

## Course Descriptions

### GEOGRAPHY COURSES

#### **GEOG 111 PHYSICAL GEOGRAPHY (3)**

This course presents an introduction to the influence of the natural environment on human's activities. This is accomplished through the study of world climate patterns, landforms, soils, natural vegetation and water. Map-reading techniques are also strongly emphasized.

#### **GEOG 112 CULTURAL GEOGRAPHY OF THE DEVELOPING WORLD (3)**

A study of present-day cultures and their physical environment, with emphasis on economic development, technology levels, and population is the main focus in this course. Emphasis is primarily placed on the developing world.

#### **GEOG 113 HUMAN IMPACT ON THE ENVIRONMENT (3)**

This course offers an examination of human impact on the environment with particular emphasis on the processes of ecological change, the immediate and extended effects on the environment, and the trends in time and space of these processes and effects.

#### **GEOG 114 PROBLEMS OF MODERN CITIES (3)**

A study of present-day cultures and their physical environment, with emphasis on economic development, technology levels, and population is introduced in this course. Emphasis is especially placed on the study of mature industrial countries.

#### **GEOG 211 CONSERVATION AND MANAGEMENT OF NATURAL RESOURCES (3)**

A survey of conservation and management of resources is presented in this course. Special attention is directed at food production, mineral shortages, pollution, water management and soil potentials, along with the energy crisis, the how ancient plate geometries can be inferred and how global tectonic processes have operated in the past.

*Prerequisite:* GEOS 112 Introduction to Geology or GEOS 115 Introduction to Oceanography

#### **GEOG 250 GIS I: APPLICATIONS OF GIS (3)**

Geographic Information Systems (GIS) computer technology allows one to store, retrieve, map, and analyze different types of data (scientific, political, cultural, and economic). GIS skills are utilized in a variety of job settings. This course presents the basic theory behind GIS and its applications in various disciplines.

*Prerequisite:* MATH 112 Intermediate Algebra

#### **GEOG 350 GIS II: ANALYSIS WITH GIS (3)**

This course trains students in techniques needed to analyze spatial and non-spatial data. Computer lab exercises provide practical, hands-on experience.

*Corequisite:* GEOG 250 GIS I: Applications of GIS

#### **GEOG 455 GIS III: MODELING WITH GIS (3)**

This course introduces advanced GIS users to geodatabase design and modeling techniques/applications.

*Prerequisite:* GEOG 250 GIS I: Applications of GIS

### GEOSCIENCE COURSES

#### **GEOS 109 PRINCIPLES OF ENVIRONMENTAL SCIENCE (3)**

This course explores the major principles of environmental science and focuses upon environmental challenges and potential solutions in the 21st century.

#### **GEOS 111 PRINCIPLES OF EARTH SCIENCE (3)**

This course is an interdisciplinary study of the major areas of Geoscience. It does not count towards a major or minor in Geoscience and/or Geography, but is taken by many Education majors and those interested in a broad introduction to our planet.

#### **GEOS 112 INTRODUCTION TO GEOLOGY (3)**

This course focuses on the exciting discoveries that have led to the current understanding of Earth. It details the origin and significance of minerals, rocks, fossils, volcanoes and earthquakes and their relationship to continental drift and plate tectonics. It also discusses the relationship of geological processes to human activities and environmental challenges.

#### **GEOS 114 INTRODUCTION TO METEOROLOGY (3)**

Offered in this course is a study of meteorological science through the analysis of atmospheric circulation of air masses and fronts, micrometeorology, cloud physics, as well as other energy relationships. Laboratory work and measurements of weather components are an integral part of the course.

#### **GEOS 115 INTRODUCTION TO OCEANOGRAPHY (3)**

This course examines the physical, chemical, geological, and biological aspects of the oceans and their importance to humanity.

#### **GEOS 116 NATURAL DISASTERS: CAUSES AND RESULTS (3)**

This course studies natural disasters such as earthquakes, volcanoes, hurricanes, tornadoes, and other special storms that affect humans and influence our survival. The

course consists of lectures, discussions and audiovisual coverage of natural phenomena and their aftermaths. The course also includes the influence and the recording of disasters in ancient and modern literature.

#### **GEOS 211 FIELD STUDIES IN GEOSCIENCE/GEOGRAPHY: MODERN CARBONATE PROCESSES —GEOLOGY OF THE BAHAMAS (1-3)**

This is a field-oriented, 8- to 10-day course offered during Winter Intersession (alternate years). It examines the geology and biology associated within modern and ancient reef environments and the natural history of their surrounding coastal areas. Emphasis is placed upon human Impacts to this fragile ecosystem. The role that reefs play in global systems-change will also be explored.

*Prerequisite:* GEOS 115 Introduction to Oceanography

#### **GEOS 212 FIELD STUDIES IN GEOSCIENCE/GEOGRAPHY II (1-3)**

#### **GEOS 213 FIELD STUDIES IN GEOSCIENCE/GEOGRAPHY III (1-3)**

#### **GEOS 214 FIELD STUDIES IN GEOSCIENCE/GEOGRAPHY IV (1-3)**

#### **GEOS 220 PHYSICAL GEOLOGY (4)**

The course covers the study of minerals, rock classification, water influence, glaciation, weathering and erosion, earthquakes, and the earth's chemistry. This is a recommended first course in geology for the geoscience major or geoscience concentration.

#### **GEOS 221 ESSENTIAL METHODS IN GEOLOGY (3)**

This course details the hand-specimen properties, identification and interpretation of minerals as well as their crystal chemistry and crystallography. In addition, the course covers the basic principles involved in producing, reading, and interpreting topographic and geologic maps, contour diagrams, and other types of image surfaces.

*Prerequisite:* GEOS 112 Introduction to Geology

#### **GEOS 225 EXPERIMENTAL METEOROLOGY AND OCEANOGRAPHY (2)**

This interdisciplinary research and field experience course extends and complements the concepts introduced in GEOS 114 and 115. Lab and field exercises introduce students to modern data collection and interpretation techniques used to understand and predict the behavior of these complex systems.

*Corequisite:* GEOS 114 Introduction to Meteorology or GEOS 115 Introduction to Oceanography

**GEOS 241 HISTORICAL GEOLOGY (4)**

This course investigates geological and biological aspects of earth history as developed through the use of fossil evidence and the principles of stratigraphy, geochronology, and the geology of structures. Laboratory work and on-site field experiences are integral parts of the course.

*Prerequisites:* GEOS 221 Essential Methods in Geology

*Recommended:* MATH 140 Statistics I

**GEOS 242 GLOBAL TECTONICS (3)**

This class traces the development of modern concepts in plate tectonics and related models of the Earth's interior. It also discusses the methods used to delineate recent plate motions and geological and oceanographic features associated with different types of plate boundaries. Further, it demonstrates how ancient plate geometries can be inferred and how global tectonic processes have operated in the past.

*Prerequisite:* GEOS 112 Introduction to Geology or GEOS 115 Introduction to Oceanography

**GEOS 246 EARTH MATERIALS (4)**

This course deals with the description, analysis, and interpretation of Earth Materials. It details the methods used to identify the mineralogy and texture of volcanic, plutonic, and metamorphic rocks, their classification and interpretation, and the formation of major Igneous and metamorphic rock associations in relationship to plate tectonics.

*Prerequisites:* GEOS 221 Essential Methods in Geology

**GEOS 248 HISTORY OF SCIENCE (3)**

This course presents a humanistic study of the origins and development of scientific thought. An analysis of the contributions of scientific findings to society and the interdependence between society and scientific advancement are included.

**GEOS 317 STRUCTURAL GEOLOGY (4)**

This course focuses on linear, planar and three-dimensional deformation features in rocks, including folds and faults. It details their recognition, geometrical properties, classification, and genesis. The course covers the kinematic and dynamic processes that produce such features and their relationships to local, regional and global tectonic patterns through time. Laboratories and field projects allow students to refine techniques for representing structures and for inferring the stresses and strains that generated them.

*Prerequisites:* GEOS 246 Earth Materials, MATH 165 Pre-Calculus

*Recommended:* PHYS 130 College Physics I, Lecture and PHYS 1130 College Physics I, Recitation/Laboratory

**GEOS 320 SEMINAR IN GEOSCIENCE I (1)**

This is an ongoing research seminar for Geoscience majors.

*Prerequisite:* Junior status

**GEOS 331 MINERALOGY (4)**

This course focuses on the crystal structures, chemical compositions and recurring associations of minerals--the major components of the Earth. It also discusses, in depth, the processes that generate and are recorded by mineral associations and their relationship to plate tectonics. Laboratory studies are designed to clarify and elaborate important concepts and analytical techniques related to the recognition and interpretation of individual minerals, their structure and composition as well as their association within the Earth.

*Prerequisites:* GEOS 112 Introduction to Geology, or GEOS 220 Physical Geology

**GEOS 332 OPTICAL MINERALOGY (4)**

Offered in this class is an intensive study of the light transmitting properties of minerals. Laboratories are devoted to learning a variety of microscopic techniques in order to identify mineral samples using light-transmitting properties.

*Prerequisite:* GEOS 246 Earth Materials

**GEOS 334 SEDIMENTOLOGY AND STRATIGRAPHY (4)**

This course deals with the description, classification, and interpretation of sedimentary rocks within a context for their spatial and temporal distribution. Emphasis is placed on the processes affecting their composition, textures, and sedimentary structures as well as on methods useful in inferring sedimentary processes and environments of deposition from the rock record. Laboratories and field trips emphasize concepts learned in the classroom.

*Prerequisites:* GEOS 241 Historical Geology, GEOS 246 Earth Materials, MATH 140 Statistics I

**GEOS 335 GEOMORPHOLOGY (4)**

This course is designed to give students an in-depth knowledge of the origin of major landforms. A detailed study is made of the physiographic provinces of the United States to illustrate their history, geological structures and landform evolution. Laboratories are devoted to landform interpretation from topographic maps and aerial photographs.

*Prerequisites:* GEOS 112 Introduction to Geology or GEOS 220 Physical Geology

**GEOS 336 FIELD METHODS IN GEOSCIENCE (4)**

In this field-oriented course, both traditional and modern methods of locating, describing, and mapping field data are introduced. Lectures introduce concepts and techniques, and field exercises allow the student to de-

velop mapping abilities that can be utilized in both urban and rural areas, in the field and in the office.

*Prerequisites:* GEOS 221 Essential Methods

**GEOS 338 PHYSICAL OCEANOGRAPHY (4)**

Tides, waves, currents, salinity, characteristics of sea water, T-S diagrams, fluid mechanics, gulf stream, storm surges, methods of current measurement, advective and convective processes are covered in this course.

*Prerequisites:* GEOS 115 Introduction to Oceanography and GEOS 224 Experimental Oceanography

*Recommended:* PHYS 130 College Physics I, Lecture and PHYS 1130 College Physics I, Recitation/Laboratory

**GEOS 340 HYDROLOGY I (3)**

This course offers a study in the hydrological cycle, the physical, optical, and general characteristics of water and uses. Major types of pollution and their effect on the user, water supply, water resources, floods, and water management are covered.

*Prerequisite:* GEOS 221 Essential Methods in Geology, Math 112 Intermediate Algebra

**GEOS 341 HYDROLOGY II (3)**

This course is a continuation of GEOS 340 with emphasis on aquifer hydraulics including principles of groundwater flow, geology of groundwater occurrence, regional groundwater flow, well hydraulics, groundwater quality and groundwater contamination, field methods and groundwater modeling techniques. Regulatory applications to groundwater are also studied.

*Prerequisite:* GEOS 340 Hydrology I or permission of instructor

**GEOS 342 SEDIMENTOLOGY (4)**

This course deals with the description, classification and interpretation of sedimentary rocks. Emphasis is placed on the processes affecting their composition, textures, structures, and distribution, and methods useful in inferring sedimentary processes and environments from the rock record are studied. Laboratories and field trips support a solid grounding in the description, classification, and interpretation of sedimentary rocks in their regional and global tectonic contexts.

*Prerequisite:* GEOS 241 Historical Geology

**GEOS 348 ENVIRONMENTAL GEOLOGY (3)**

This course investigates the relationship between humanity and the geological environment. Emphasis is placed on humans as geologic agents and the consequences of human value systems with respect to earth resources.

*Prerequisites:* GEOS 221 Essential Methods in Geology, MATH 112 Intermediate Algebra

**GEOS 420 SEMINAR IN GEOSCIENCE II (1)**

This is an advanced-level research seminar for Geoscience majors.

*Prerequisite:* GEOS 320 Seminar in Geoscience I

**GEOS 431 PETROLOGY (4)**

This course examines the composition, texture, classification and interpretation of igneous and metamorphic rocks. It covers the major processes responsible for the evolution of major volcanic, plutonic and metamorphic rock association and their relationships to regional and global tectonic patterns. Laboratories and field trips emphasize techniques used to represent and more fully understand the processes that generate rock association through time.

*Prerequisite:* GEOS 246 Earth Materials

**GEOS 434 EARTH SURFACE PROCESSES (4)**

This course explores a variety of landscapes and focuses upon the processes that have shaped, and continue to alter, the Earth's surface. It is an integrated, systems-oriented view of the evolution and properties of sedimentary systems and landscapes. Students study the interactions between landscapes and sediments, and how those systems respond to a range of both naturally- and anthropogenically-induced disturbance events.

*Prerequisites:* GEOS 246 Earth Materials, MATH 140 Statistics I

**GEOS 436 THE COASTAL ZONE: PROBLEMS AND SOLUTIONS (3)**

This interdisciplinary course provides natural and social scientists with tools to manage intersecting and sometimes divergent interests of their respective fields in addressing complex contemporary environmental issues and challenges. The multiproblem coastal zone is the principal focus. Guest lecturers, government publications, attendance at and participation in public meetings, and field visits complement the classroom work.

*Prerequisite:* Junior or senior status, or permission of instructor

**GEOS 440 ECONOMIC GEOLOGY (3)**

This course studies the origin, detection, and development of economically valuable mineral deposits.

*Prerequisite:* GEOS 331 Mineralogy or permission of instructor

**GEOS 445 REMOTE SENSING AND AERIAL PHOTO INTERPRETATION (4)**

This course deals with interpretations of conventional aerial photos as well as satellite imagery such as Landsat and Seasat. Applications of remote sensing to geology, geography, oceanography, and environmental problems are discussed as well as numerical analysis of digital satellite data via computer. Laboratories deal with interpretation of aerial photos, NASA aircraft imagery, and satellite imagery of visible, infrared, thermal, radar, and microwave scanners.

*Prerequisite:* GEOG 250 GIS I

**GEOS 446 INTRODUCTION TO GEOCHEMISTRY (3)**

This course is an in-depth study of the origin of the elements, the principles governing their presence in minerals, and the application of chemistry to mineral exploration.

*Corequisite:* GEOS 246 Earth Materials, CHEM 105 General Chemistry I

**GEOS 447 INTRODUCTION TO GEOPHYSICS (4)**

This field-oriented course introduces the student to the application of principles of physics to mapping and interpretation of the subsurface. Field exercises in different environments with modern geophysical equipment enable students to gain experience in the emerging discipline of "non-invasive site characterization", an increasingly important method for decision-making in the 21st century.

*Corequisites:* GEOS 221 Essential Methods in Geology, MATH 165 Pre-Calculus

**GEOS 450 GUIDED STUDY IN GEOSCIENCE (4)**

This course offers students the opportunity to engage in advanced study or research in which they develop and report on major individual research projects.

*Prerequisite:* Permission of instructor

**GEOS 451 GUIDED STUDY IN GEOSCIENCE (3)**

This course offers students the opportunity to engage in advanced study or research in which they develop and report on major individual research projects.

*Prerequisite:* Permission of instructor

**GEOS 452 GUIDED STUDY IN GEOSCIENCE (2)**

This course offers students the opportunity to engage in advanced study or research in which they develop and report on major individual research projects.

*Prerequisite:* Permission of instructor

**GEOS 453 GUIDED STUDY IN GEOSCIENCE (1)**

This course offers students the opportunity to engage in advanced study or research in which they develop and report on major individual research projects.

*Prerequisite:* Permission of instructor

**GEOS 492 INDEPENDENT STUDY IN GEOSCIENCE (1-3)**

This course offers students the opportunity to undertake independent laboratory oriented projects. This course does not replace other major requirements.

*Prerequisites:* Advanced level standing, permission of instructor and chairperson, minimum 3.0 cumulative grade point average

**GEOS 540 GEOLOGY OF NEW JERSEY (3)**

This course studies the geological features of New Jersey. Topics include the state's geologic history, physiography and economic earth resources including water resources and waste management. An investigative course of geological and fossil aspects of New Jersey's geologic history as developed through the use of rock and fossil evidence and the principles of stratigraphy, geochronology, and geologic structures. Collecting and identifying fossils, minerals and rocks will be a major part of the course. All field trips are REQUIRED. Taught in the summer session.

*Prerequisites:* GEOS 112 Introduction to Geology

**GEOS 550 GEOLOGY OF NATIONAL PARKS (4)**

This course explores the geologic framework that underlies the geologic processes and principles of mountain-building, volcanism, stream erosion, glacial and shoreline processes and explains the geological history and features of selected National Parks, Monuments, and National Seashores. Lectures are supplemented with an 8- to 10-day field trip to localities of interest. Taught during the summer.

*Prerequisites:* GEOS 112 Introduction to Geology



# HISTORY

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**Dr. Rosemary Fox Thurston,**  
Chairperson  
[rthurston2@njcu.edu](mailto:rthurston2@njcu.edu)

**Associate Professors: Morales, Thurston**  
**Assistant Professors: Hooper-Hamersley,**  
**Martinek, White**

The History Department offers a comprehensive program in American history and the history of world regions and nations. The Department sponsors the Rho Rho Chapter of Phi Alpha Theta, the national history honor society.

The Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

Bachelor of Arts in History, p. 133  
Bachelor of Arts in History—Teacher  
Certification (Social Studies), p. 134  
Minor in History, p. 135

## *Bachelor of Arts in History* (MINIMUM 36 CREDITS)

The study of history prepares students for many interesting and rewarding careers, including law, civil service, journalism, historical research and teaching. Continued study may include a master's or doctoral degree in history or education or a doctoral degree in law.

There are requirements for admission to this degree track.

Course requirements for completion of the major follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
HIST 418	The Study of History	3
<i>Restricted electives: Select a minimum of three credits from three of the following groups of regional history courses (nine credits total).</i>		
United States		
HIST 150 <sup>1</sup>	American History to 1865	3
HIST 152 <sup>1</sup>	American History since 1865	3
Europe		
HIST 156	Western Civilization to 1648	3
HIST 158 <sup>1</sup>	Early Modern Europe	3
HIST 160 <sup>1</sup>	Europe in the 20th Century	3
Latin America		
HIST 162	Introduction to Latin American Civilizations	3
Africa		
AFRO/HIST 164 <sup>1</sup>	Introduction to African Civilizations	3
Middle East		
HIST 168	Middle East, Past and Present	3
Asia		
HIST 166	Introduction to Asian Civilizations	3

*Restricted electives: Select a minimum of 15 credits from History courses numbered 200 or higher.*

*Electives: Select a minimum of 9 credits from History courses at any level. With the approval of the chairperson, students may apply up to six credits earned in SPFD X320 (Seminar in Cooperative Education) credit toward the completion of the History major.*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in History  
with Teacher Certification  
(K–12) in Social Studies***  
**(MINIMUM 36 CREDITS)**

Completion of this major prepares one to assume the responsibilities of a social studies teacher in elementary schools, middle schools, and high schools in which social studies is taught as a separate subject. Continued study may include a master's and/or doctoral degree in history or a similar field.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 10081 Social Studies: Content Knowledge prior to EDU 480 (Internship). Students who are interested in the education certification program must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of the certification program.

Course requirements for completion include the following. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
HIST 150	American History to 1865	3
HIST 152	American History since 1865	3
HIST 418	The Study of History	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
HIST 156	Western Civilization to 1648	3
HIST 158 <sup>1</sup>	Early Modern Europe	3
HIST 160 <sup>1</sup>	Europe in the 20th Century	3
<i>Restricted elective: Select a minimum of three credits from the following regional History courses.</i>		
HIST 162	Introduction to Latin American Civilizations	3
AFRO/HIST 164 <sup>1</sup>	Introduction to African Civilizations	3
HIST 168	Middle East, Past and Present	3
HIST 166	Introduction to Asian Civilizations	3
<i>Restricted electives: Select a minimum of 15 credits from History courses numbered 200 or higher.</i>		
<i>Electives: Select a minimum of six credits from History courses at any level.</i>		
<i>Required General Studies Program courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
GEOG 111 <sup>2</sup>	Physical Geography	3
<i>or</i>		
GEOS 111 <sup>2</sup>	Principles of Earth Science	3
PSYC 150 <sup>2</sup>	Developmental: Birth through Adolescence	3
<i>or</i>		
PSYC 152 <sup>2</sup>	Developmental: Adolescence through Adulthood	3
SOC 114 <sup>2</sup>	Sociology of the Family	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
<i>Restricted General Studies Program electives: Select a minimum of three credits from each of the following General Studies Program elective areas.</i>		
Political Science (The study of the U.S. government is recommended.) <sup>2</sup>		3
Anthropology <sup>2</sup>		3
Physical Geography <sup>2</sup>		3
Economics <sup>2</sup>		3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 4372*	Secondary Methods of Teaching Social Studies	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management and Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Minor in History****(MINIMUM 24 CREDITS)**

Students who minor in history must complete the following requirements. Course requirements for completion include the following. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required: Select six credits from two of the following groups of regional history courses.</i>		
United States		
HIST 150 <sup>1</sup>	American History to 1865	3
HIST 152 <sup>1</sup>	American History Since 1865	3
Europe		
HIST 156	Western Civilization to 1648	3
HIST 158 <sup>1</sup>	Early Modern Europe	3
HIST 160 <sup>1</sup>	Europe in the 20th Century	3
Latin America		
HIST 162	Introduction to Latin American Civilizations	3
Africa		
AFRO/HIST 164 <sup>1</sup>	Introduction to African Civilizations	3
Middle East		
HIST 168	Middle East, Past and Present	3
Asia		
HIST 166	Introduction to Asian Civilizations	3

*Restricted electives: Select nine credits from History courses numbered 200 or higher. HIST 418\* (The Study of History) is recommended.*

*Electives: Select nine credits from History courses at any level.*

**Note:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Course Descriptions****HIST 108 AFRICAN AMERICAN HISTORY (3)**

This course surveys important themes in the history of African Americans including African life before the slave trade, the Atlantic slave trade, the struggle for emancipation and independence, and the struggle for civil rights. (Cross-listed with African-Afro/American Studies)

**HIST 114 IMMIGRATION IN AMERICAN HISTORY (3)**

This course is a study and analysis of the impact of immigration on the development of modern America. The experiences and contributions of immigrant/ethnic groups will be stressed. (Cross-listed with Ethnic and Immigration Studies.)

**HIST 115 THE ASIAN-AMERICAN EXPERIENCE (3)**

This survey deals with the experience of Asian Americans, particularly immigration and the problems encountered, integration into the broader American society, relations with other ethnic groups, and achievements and aspirations. (Cross-listed with Ethnic and Immigration Studies.)

**HIST 150 AMERICAN HISTORY TO 1865 (3)**

This course is a study of the United States from colonization through the American Civil War period emphasizing the diplomatic, political, economic and social developments of the nation.

**HIST 152 AMERICAN HISTORY SINCE 1865 (3)**

As a continuation of American History to 1865, this course looks at the United States from the post-Civil War period to the present day emphasizing the political, economic, and social developments of the nation.

**Note:** HIST 150 American History to 1865 is not a prerequisite for HIST 152.

**HIST 154 HISTORY OF WOMEN IN THE U.S. (3)**

This course traces the role and status of women in America from the colonial period to contemporary times. It emphasizes the contributions of women to and their participation in the nation's various institutions and social movements. (Cross-listed with Women's and Gender Studies)

**HIST 156 WESTERN CIVILIZATION TO 1648 (3)**

This course surveys major topics in western civilization from the fall of the ancient western Roman Empire to the Peace of Westphalia. Readings from original docu-

ments are emphasized.

**HIST 158 EARLY MODERN EUROPE (1648-1914) (3)**

Aspects of European history from 1648 to the outbreak of World War I, especially as they relate to the “Westernization” of the world, are examined in this course. Particular emphasis is placed on the scientific, intellectual, industrial and political revolutions.

**HIST 160 EUROPE IN THE 20TH CENTURY (3)**

The First World War is examined critically along with Europe’s changing role in world affairs. Special emphasis is placed on the rise of fascism, the Second World War, the polarization of Europe and the Cold War.

**HIST 162 INTRODUCTION TO LATIN AMERICAN CIVILIZATIONS (3)**

This course offers a survey of the colonial and national periods in Latin America and Brazil.

**HIST 164 INTRODUCTION TO AFRICAN CIVILIZATIONS (3)**

This course offers students a survey of African civilizations from earliest times to the present. The course highlights the important civilizations of Ancient Egypt, Nubia, Sudan, Ghana, Mali, Songhai, Zimbabwe, and others.

*Note:* Cross-listed with AFRO 164

**HIST 166 INTRODUCTION TO ASIAN CIVILIZATIONS (3)**

This course is a survey of some of the major historical and cultural developments in Asia. The focus is on China and its influence on various places such as Japan, Korea, and Southeast Asia.

**HIST 168 MIDDLE EAST, PAST AND PRESENT (3)**

A cultural, political, and historical approach is used to explore this vital region. Topics include selected ancient civilizations, the Byzantine period, the rise of Islam, and specific studies of modern Turkey, Iran, Israel and Egypt.

**HIST 202 RENAISSANCE AND REFORMATION (1350-1648) (3)**

This course focuses on the revival of civic virtue and faith redefined in the era between the High Middle Ages and the Enlightenment. Topics include Humanism, the Reformation, the art of the Renaissance, and the religious wars of the 16th and 17th centuries that raged throughout Europe.

**HIST 203 HISTORY THROUGH FILM (3)**

A selected-topics approach to studying history utilizing the visual in the form of film as the primary medium is used in

this course. The historic content of feature films, and documentaries are subjected to criticism.

**HIST 205 ANCIENT CIVILIZATION (3)**

A selective coverage of the ancient civilizations that have had the greatest influence on the development of Western and modern world civilization, including Mesopotamia, Egypt, Greece, and Rome, is offered in this course.

**HIST 209 HISTORY OF PUNISHMENT (3)**

Against its European background this course examines the changing nature of crime and punishment from colonial America to the present. Special emphasis is on penal institutions and the effect of environment upon personality.

**HIST 211 AMERICAN MILITARY HISTORY (3)**

The American military experience from the colonial period to the present is studied in this course. Emphasis is placed on the changing relationship between military policy, organization and technology, and the nation’s political, social and economic institutions.

**HIST 212 HISTORY OF NEW JERSEY (3)**

This course is a survey of the history of the state and its people from the colonial era to the present. Political, economic and social events in the development of the state are emphasized.

**HIST 213 SELECT TOPICS IN AMERICAN HISTORY (3)**

In this course, students will look at American history through a specific thematic lens. In the past, instructors have examined the history of 9/11, American popular culture, and the concept of self-help.

**HIST 215 WORLD WAR II: PACIFIC AND ASIA (3)**

This course is a survey of World War II with emphasis on the war between the United States and Japan. Political, diplomatic, and military events are emphasized in conjunction with important social topics such as the American home front, the role of minorities and women, and the use of nuclear weapons.

**HIST 216 WORLD WAR II: EUROPE AND NORTH AFRICA (3)**

This course is a survey of World War II with emphasis on the involvement of the United States, total war, and the Holocaust. Political, diplomatic, and military events will be emphasized in conjunction with important social topics such as the American home front, and the role of minorities and women.

**HIST 305 CIVIL WAR AND RECONSTRUCTION (3)**

A topical approach is used not only to understand the main developments of these significant historic events but also to comprehend their larger role in shaping subsequent U.S. History, socially, politically, and economically.

**HIST 307 HISTORY OF MODERN RUSSIA (3)**

In this survey of Russian history from Tsar Alexander I (1801-1825) to the present, continuity and changes between the Tsarist autocratic and the Soviet totalitarian systems are examined and analyzed as well as selected political, cultural, socio-economic, and intellectual themes.

**HIST 309 HISTORY OF MODERN FRANCE (3)**

A cultural and political approach is used to study the main themes of French history from the accession of Francis I (1515) to the suppression of the Commune (1871)—the period of the zenith of French power and influence.

**HIST 310 DIPLOMATIC HISTORY OF THE UNITED STATES (3)**

This course presents a topical and chronological examination of U.S. diplomacy from the early Federalist period to the present, stressing aspects that have affected the transition of the U.S. from a regional to a global power.

**HIST 311 EMERGENCE OF MODERN GERMANY (3)**

This course offers an in-depth coverage of a century of German history that changed the course of Western and world history: from the beginning of the movement toward national unity in 1848 to the collapse of Hitler’s “Thousand Year Empire” in 1945.

**HIST 312 POLITICAL DISSENT IN MODERN AMERICA (3)**

This comparative study explores voices and movements of dissent in the U.S. beginning with the post Civil War period, ranging from the far right to the far left.

**HIST 313 URBAN AMERICA: THE CITY IN AMERICAN HISTORY (3)**

Beginning with the cities built by Native Americans and finishing with the most recent challenges of sprawl, smog, and post-industrial change, this course explores a wide range of urban history topics. Walking tours and field trips will be included if possible.

**HIST 316 AMERICAN SPORTS HISTORY (3)**

An examination of the origins, develop-

ment and changing nature of contemporary American sports, including the roles of violence, the fan, commercialism, ethics, amateurism, and professionalism is presented in this course. (Cross-listed with Sports and Leisure Studies)

**HIST 318 HISTORY AND CULTURE OF CUBA AND PUERTO RICO (3)**

A survey approach to the histories and cultures of these two Caribbean states from their establishment as colonies to their present-day status is presented.

**HIST 319 PRESIDENTIAL ELECTIONS (3)**

This course is offered on a rotating basis coinciding with the election of the U.S. President. Included is background history on the role of the Electoral College, the development of political parties, the influence of pressure groups, and partisan politics.

**HIST 321 COLONIAL AMERICA (1550-1789) (3)**

This survey explores the major political, social, economic, and intellectual developments in America from the early colonial settlements through the making of the Constitution. The emphasis is on formative institutions.

**HIST 322 EARLY AMERICA (3)**

This course surveys the early national period from the launching of the new nation under the 1789 Constitution through the Age of Jackson. The emphasis is placed on the beginnings of American politics, diplomacy, social reforms and westward movement.

**HIST 323 AMERICAN INDUSTRY AND EMPIRE (3)**

This course examines the turbulent and productive period from the end of the Civil War through World War I—a period which shaped much of the modern American ideology.

**HIST 324 TWENTIETH CENTURY AMERICA (1945-PRESENT) (3)**

This is a survey of postwar American history, including the Cold War, the 1960s, the Civil Rights Movement and political developments of the mid and late twentieth century.

**HIST 329 PROGRESSIVISM (3)**

This survey focuses on the political, social and economic reforms necessary to effect the transition of the U.S. from a rural to an urban society in the decades before the First World War.

**HIST 330 EARLY ENGLAND (3)**

This course is a study of England from the time of the Celts to the War of the Roses. Medieval England will be emphasized.

Political, social and cultural themes will be considered.

**HIST 332 MODERN ENGLAND (3)**

The significance of the political, social, and cultural factors that have shaped English society and character in its transformation to an industrial democracy is studied.

**HIST 345 COMPARATIVE HISTORIES OF SLAVERY IN THE AMERICAS (3)**

This course will examine the historical development of the institution of slavery in the Western Hemisphere from the Conquest until abolition in the late nineteenth century. Emphasis will be placed on variants of the institution among European colonies and the southern United States.

**HIST 350 THE MAKING OF**

**THE MIDDLE AGES (3)**

The fusion of Roman Civilization, Christianity and Germanic institutions into a medieval culture during the years between the decline of the Roman Empire and 1050 is the focus of this course. Topics include German tribes, monasticism, the Carolingian Empire, feudalism, the emergence of Islam and Justinian's Byzantium.

**HIST 363 MEDIEVAL HERITAGE (3)**

This course explores the political, social, economic, and intellectual developments of Europe between 1050 and 1350. Topics include the emergence of national monarchies, the crisis of church, and the crusades; and the growth and evolution of the university.

**HIST 401 INTELLECTUAL HISTORY OF THE UNITED STATES (3)**

This course examines the values, institutions, ideas, and ideals held by the American people from the colonial period to the present.

*Recommended:* Two previous courses in U.S. History

**HIST 402 SOCIAL ASPECTS OF AMERICAN HISTORY (3)**

An interdisciplinary exploration of selected themes in U.S. social history such as religious experience as social phenomenon; patterns of political leadership in a democracy; the changing role of women and the family; the development of social structure and modes of response to racial and ethnic diversity.

**HIST 403 HISTORY OF IDEAS (3)**

A selective approach is used to explore ideas ranging from the individualism of Ancient Greece to the communalism of modern Marxism that have had the greatest impact on molding the Western and the world mind.

*Recommended:* HIST 156 Western Civilization to 1648 and/or HIST 158 Early Modern Europe (1648-1914)

**HIST 410 SEMINAR IN HISTORY (3)**

A research seminar for history majors with primary interest in either American or European history.

**HIST 418 THE STUDY OF HISTORY (3)**

This course is required of all history majors. Students examine various schools of historical interpretation and learn to apply the research tools used in the writing of historical essays, book reviews, and research papers.

## INTERNATIONAL STUDIES

Karnoutsos Hall, Rm. 640  
201-200-3231

Dr. Diana Lieb, Coordinator  
dlieb@njcu.edu

The Political Science Department hosts the  
minor program in International Studies.

Minor in International Studies, p. 138

***Minor in International Studies*****(MINIMUM 24 CREDITS)**

Students who minor in International Studies must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. Please see the appropriate departmental listings for course descriptions, prerequisites and corequisites.

Course Code	Course Title	Credits
<i>Restricted electives: Select a minimum of nine credits from the following courses.</i>		
AFRO 101 <sup>1</sup>	The African Diaspora	3
AFRO 283	Organization of African Unity Model Assembly	3
AFRO 285	Modern Africa	3
HLTH 502	Public Health Issues of Immigration	3
LATI 105 <sup>1</sup>	Introduction to Latin American, Caribbean and Latino Studies	3
POLI 110 <sup>1</sup>	Introduction to World Politics	3
POLI 224	Politics of the Middle East	3
POLI 226	Politics of Central Asia	3
POLI 550*	United Nations Workshop	3
SOCI 257	Comparative Cultures	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
BUSI 241	International Business	3
BUSI 243	International Management	3
POLI 307*	International Law	3
<i>Restricted electives: Select a minimum of six credits from the following courses with the approval of the coordinator.</i>		
ART 108	African and African American Art	3
ART 130 <sup>1</sup>	World Art I	3
ART 131 <sup>1</sup>	World Art II	3
ART 267	Art of Spain and Latin America	3
ENGL 323	World Poetry of the 20th Century	3
ENGL 329	Contemporary World Literature	3
MDT 104 <sup>1</sup>	Music of the World's People	3
MDT 255	Music in an Urban Setting	3
MEDI 335	Film Genre: Race and Ethnicity in Film	3
MEDI 215	Introduction to International Cinema	3
PHIL 106 <sup>1</sup>	Comparative Religion	3
SOCI 141 <sup>1</sup>	Cultural Anthropology	3
<i>Language elective: Select a minimum of six credits from the following pairs of courses. Students are advised to consult the Modern Languages Department to determine whether their preferred language courses will be available during the time frame they are considering for completion of the minor.</i>		
LANG 103 <sup>1</sup> /104 <sup>1</sup>	Elementary Spanish I & II	6
LANG 105 <sup>1</sup> /106 <sup>1</sup>	Elementary French I & II	6
LANG 107 <sup>1</sup> /108 <sup>1</sup>	Elementary Italian I & II	6
LANG 117 <sup>1</sup> /118 <sup>1</sup>	Elementary Japanese I & II	6
LANG 119 <sup>1</sup> /120 <sup>1</sup>	Elementary German I & II	6
LANG 123 <sup>1</sup> /124 <sup>1</sup>	Elementary Russian I & II	6
LANG 131 <sup>1</sup> /132 <sup>1</sup>	Elementary Arabic I & II	6
LANG 141 <sup>1</sup> /142 <sup>1</sup>	Elementary Chinese I & II	6

**Note:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

# LATIN AMERICAN, CARIBBEAN, AND LATINO STUDIES

Karnoutsos Hall, Rm. 505  
201-200-3412

Dr. Mirtha Quintanales, Coordinator  
mquintanales@njcu.edu

## *Minor in Latin American, Caribbean and Latino Studies*

**(MINIMUM 21 CREDITS)**

Students who minor in Latin American, Caribbean and Latino Studies must complete the following requirements.

Associate Professor: Quintanales

The Latin American, Caribbean, and Latino Studies Department is involved in research in various aspects of Latin American and Caribbean studies.

Minor in Latin American, Caribbean, and Latino Studies, p. 139

Course Code	Course Title	Credits
<i>Required</i>		
LATI 105 <sup>1</sup>	Introduction to Latin American, Caribbean and Latino Studies	3
<i>Restricted elective: Select a minimum of six credits from the courses below.</i>		
LATI 201 <sup>1</sup>	Peoples and Cultures of the Caribbean	3
LATI 202	Peoples and Cultures of Mexico and Central America	3
LATI 203	Peoples and Cultures of South America	3
LATI 204	Latin American & Caribbean Communities in the US	3
<i>Restricted electives: Select a minimum of six credits from the courses below.</i>		
LATI 120 <sup>1</sup>	Latin American Issues in Cultural Perspective	3
LATI 125 <sup>1</sup>	Socio-Cultural Changes in Latin America	3
LATI 205	Impact of Modern Technology on Latin America & the Caribbean	3
LATI 206	Cuba and Puerto Rico in Historical Perspective	3
LATI 207	Seminar: Topics in U.S. Latino Studies	3
LATI 208	Seminar: Topics in Latin American and Caribbean Studies	3
LATI 209 <sup>1</sup>	Sex and Gender in Latin America	3
LATI 210	The Latin American Novel as History	3
LATI 302	Social Movements in Latin America and the Caribbean	3
LATI 303	Challenges of Development: Latin Amer., Africa, Asia	3
LATI 407	Seminar: Latin America and the Caribbean in Global Context	3
LATI 412	Seminar for Minors in Latin American, Caribbean and Latino Studies	3
LATI 415	Latin American, Caribbean and Latino Studies Internship	3
LATI 503	Latin American and Caribbean Studies Travel Program	3
<i>Electives: Select a minimum of six credits in courses related to Latin American, Caribbean and Latino Studies from courses in other departments and programs, in consultations with the Program Coordinator. The courses listed below are recommended.</i>		
ART 327	Art of Latin America	3
ENGL 351	African and Caribbean Women Writers	3
POLI 209	Government and Politics of South America	3
POLI 210	Government and Politics of Mexico and Caribbean	3

**Note:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

### *Course Descriptions*

#### **LATI 105 INTRODUCTION TO LATIN AMERICAN, CARIBBEAN AND LATINO STUDIES (3)**

A general investigation of the Latin American and Caribbean cultures in their uniqueness and diversity is pursued in this course. Topics include Latin America's historical development, its contributions to world art and literature, U.S.-Latin American relations, race and class systems in Ibero-American nations, and the role of Latin Americans and their descendants in the United States.

#### **LATI 120 LATIN AMERICAN ISSUES IN CULTURAL PERSPECTIVE (3)**

This course embarks on a critical examination of the multi-faceted cultural realities of Latin Americans throughout the continent as reflected in the humanities texts of literature, music, art, philosophy, and history.

#### **LATI 125 SOCIO-CULTURAL CHANGE IN LATIN AMERICA (3)**

This course examines the economic, political, psychological, and social aspects of the Latin American societies from the past to the present.

#### **LATI 201 PEOPLES AND CULTURES OF CARIBBEAN (3)**

This course offers an examination of the Caribbean region as a cultural area with common historical patterns of conquest, colonization, peonage or slavery, and the development of multiracial and multicultural societies. Some of the topics of study include: the European, African and Asian cultural roots; the rise, growth and impact of the plantation economy; family organization; the tensions of gender, race, and class; and popular religion and everyday life. The focus of this course is on cultural, socio-economic and political developments in the 20th century, particularly the past several decades.

#### **LATI 202 PEOPLES AND CULTURES OF MEXICO AND CENTRAL AMERICA (3)**

This course studies present-day cultures and societies in Mexico and Central America (Nicaragua, Guatemala, Honduras, El Salvador, Costa Rica, Panama, and Belize). Among the issues covered are the impact of modernization, urbanization, and rural-urban migration; ethnic and racial tensions; war, revolution, and the struggle for national identity; and the impact of the U.S. border, policies, and media presence.

#### **LATI 203 PEOPLES AND CULTURES OF SOUTH AMERICA (3)**

This course broadly examines three major cultural areas in South America: the Andean region (Ecuador, Peru and Bolivia; Venezuela, Colombia); the Southern Cone (Chile, Argentina, Uruguay and Paraguay); and Brazil. Present-day societies and their processes of development and social change during the past several decades are explored within the larger historical context of conquest, colonization, slavery, migration and political intervention and upheaval. The struggles of marginalized Native American populations (e.g., in Brazil and Venezuela) and other racial, ethnic and special-interest groups are given attention.

#### **LATI 204 LATIN AMERICAN AND CARIBBEAN COMMUNITIES IN THE UNITED STATES (3)**

This course examines the cultural and socio-economic backgrounds and present life-conditions of Latin American and Caribbean immigrants (and/or their descendants) residing in the U.S. Group migration histories are reviewed as well as the history of the U.S. annexation of Mexican territory and its impact on the lives of Mexican Americans. Theories of migration, acculturation and assimilation into North American society are critically analyzed, utilizing specific migrant groups as case studies.

#### **LATI 205 IMPACTS OF MODERN TECHNOLOGY ON LATIN AMERICA AND THE CARIBBEAN (3)**

This course is designed to explore the environmental, economic, social, and political impact of modern technology on Latin American countries. Selected case histories are presented to provide the student with a comprehensive view of the phenomenon.

#### **LATI 206 CUBA AND PUERTO RICO IN HISTORICAL PERSPECTIVE (3)**

This course undertakes a thematic and chronological investigation of these two island nations from the pre-Columbian era to the present, with an emphasis on the 19th and 20th centuries. Topics include the genesis of plantation societies, slavery, and socio-economic/political relationship with the United States.

#### **LATI 207 SEMINAR TOPICS IN U.S. LATINO STUDIES (3)**

In-depth analyses of selected issues in Latino communities throughout the United States, such as literary traditions, religion, health and politics are studied in this course.

#### **LATI 208 SEMINAR: TOPICS IN LATIN AMERICAN AND CARIBBEAN STUDIES (3)**

In-depth analyses of selected issues within the region, such as literary traditions, religion, health, ecology and politics are studied in this course.

#### **LATI 209 SEX AND GENDER IN LATIN AMERICA (3)**

This course examines theories and debates in the field of gender and sexuality studies, and explores and evaluates scholarly and artistic works (literature, drama, film, video, and television) dealing with Latin American/U.S. Latino gender and sexuality issues.

#### **LATI 210 THE LATIN AMERICAN NOVEL AS HISTORY (3)**

This course presents a critical analysis of the diverse historical development in Latin American and the Caribbean through literature. Issues examined include slavery, conquest, ethnicity, migration, and dictatorship. Focus is on the nineteenth and twentieth centuries.

#### **LATI 302 SOCIAL MOVEMENTS IN LATIN AMERICA AND THE CARIBBEAN (3)**

This course surveys the histories, ideologies, strategies and tactics of social and political movements such as revolutions, racial/ethnic nationalists, religious and similar movements in Latin America and the Caribbean and among Latinos in the United States. Special emphasis is given to the emergence of new identities, individual and collective, and the creation of new communities and sub-cultures.

#### **LATI 303 CHALLENGES OF DEVELOPMENT: LATIN AMERICA, AFRICA, ASIA (3)**

This course deals with the critical problems of the two-thirds of humanity living in Latin America, Africa, and Asia. The emphasis of the course is on population growth, problems of food, water, energy, cities, poverty, and the environment. It examines the roles of science and technology to solve these problems and bring development to these areas.

#### **LATI 407 SEMINAR: LATIN AMERICA AND THE CARIBBEAN IN GLOBAL CONTEXT (3)**

This course examines the many facets of Latin American patterns and institutions resulting from interactions with other regions and states in the international community. The focus is on the crisis-solving capabilities of the region within a global context.

#### **LATI 412 SEMINAR FOR MINORS IN LATIN AMERICAN AND CARIBBEAN STUDIES (3)**

The purpose of this seminar is to provide



juniors and seniors the opportunity to explore academic and other professional options for the utilization of their minor in Latin American and Caribbean Studies.

**LATI 415 LATIN AMERICAN STUDIES INTERNSHIP (3)**

The internship offers students practical experience, under supervision, in an organization, institution, or agency regionally, nationally, or internationally.

**LATI 503 LATIN AMERICAN AND CARIBBEAN STUDIES TRAVEL PROGRAM (3)**

Please see the Graduate Catalog for course description.

# MATHEMATICS

Karnoutsos Hall, Rm. 506  
201-200-3201  
<http://www.njcu.edu/dept/math>

**Dr. Beimnet Teclezghi, Chairperson**  
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**Professors: Bennett, Ding, Guillen,  
Michnowicz, Riggs, Robbins**  
**Associate Professors: Camacho, Misir,  
Teclezghi**  
**Assistant Professors: Caravella, Chen, Ivy**

The Mathematics Department is a member of the Mathematical Association of America and the National Council of Teachers of Mathematics. Faculty scholarship includes research ranging from methods for teaching mathematics to historical and analytical studies of mathematics. The Department hosts an annual Mathematics Awareness Day. The Mathematics Department also sponsors a club for mathematics majors and a chapter of Kappa Mu Epsilon, the national mathematics honor society.

The Mathematics Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained below. General Studies Program requirements for graduation are listed on [page 26](#)—"Undergraduate Requirements."

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## *Bachelor of Arts in Mathematics* (MINIMUM 36 CREDITS)

Completion of this major prepares one for a career as a statistician, actuarial assistant, mathematics teacher, research assistant, or analyst. Continued study may include a master's degree in mathematics education, mathematics, or computer science, environmental science, business administration, or other related fields.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.0 and a minimum grade of C in MATH 165 (Precalculus) or its equivalent. Accepted majors must maintain a minimum CGPA of 2.0 for all mathematics courses counted toward the major. No grade below a C- in a required course or more than two Ds in elective courses may be counted towards the major requirements. Required courses include Linear Algebra, Survey of Modern Math, Math Statistics I, Abstract Algebra I, and a Calculus sequence. Majors may not backtrack for recomputation of grade for sequence courses. A sequence exists when one major course is a prerequisite for another.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow. Bachelor

of Arts in Mathematics (minimum 36 credits)

Completion of this major prepares one for a career as a statistician, actuarial assistant, mathematics teacher, research assistant, or analyst. Continued study may include a master's degree in mathematics education, mathematics, or computer science, environmental science, business administration, or other related fields.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.0 and a minimum grade of C in MATH 165 (Precalculus) or its equivalent. Accepted majors must maintain a minimum CGPA of 2.0 for all mathematics courses counted toward the major. No grade below a C- in a required course or more than two Ds in elective courses may be counted towards the major requirements. Required courses include Linear Algebra, Survey of Modern Math, Math Statistics I, Abstract Algebra I, and a Calculus sequence. Majors may not backtrack for recomputation of grade for sequence courses. A sequence exists when one major course is a prerequisite for another.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
MATH 260*	Linear Algebra	3
MATH 295*	Survey of Modern Math	3
MATH 330*	Math Statistics I	3
MATH 370*	Abstract Algebra I	3
<i>Restricted electives: Select 12 credits as one of the following sequences of Calculus courses.</i>		
MATH 190* <sup>1</sup>	Calculus I	3
MATH 191*	Calculus II	3
MATH 290*	Calculus III	3
MATH 291*	Calculus IV	3
<i>or</i>		
MATH 192*	Calculus & Analytical Geometry I	4
MATH 193*	Calculus & Analytical Geometry II	4
MATH 292*	Calculus & Analytical Geometry III	4

*(Continued on next page)*

Course Code	Course Title	Credits
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*Restricted electives: Select a minimum of 12 credits from the following courses. At least six credits must be selected from courses numbered 300 or higher. Undergraduates with at least 85 credits, at least 24 credits in math major courses through Calculus III, and a minimum CGPA of 3.0 may take 500-level electives with the permission of the department chair. No more than two courses numbered 508–518 may be counted towards the Mathematics major.*

MATH 140* <sup>1</sup>	Statistics I	3
MATH 141*	Statistics II	3
MATH 165* <sup>1</sup>	Precalculus	3
MATH 166*	Elementary Functions	3
MATH 220*	Applications of Math	3
MATH 240*	Readings in Mathematics	3
MATH 310*	Differential Equations	3
MATH 311*	Differential Equations for Engineers	4
MATH 320*	Modern Geometry I	3
MATH 321*	Modern Geometry II	3
MATH 331*	Mathematical Statistics II	3
MATH 350*	Elements of Numerical Analysis	3
MATH 371*	Abstract Algebra II	3
MATH 380*	Real Analysis	3
MATH 410*	History of Mathematics	3
MATH 430*	Topology	3
MATH 440*	Number Theory	3
MATH 450*	Advanced Calculus I	3
MATH 451*	Advanced Calculus II	3
MATH 501*	Math Content Praxis Review	1
MATH 502*	Concepts of Computer Science	3
MATH 503*	Computers in Mathematics	3
MATH 508*	Professionalized Subject Matter in Arithmetic	3
MATH 510*	Professionalized Subject Matter in Algebra	3
MATH 511*	Professionalized Subject Matter in Middle School Mathematics	3
MATH 512*	Professionalized Subject Matter in Geometry	3
MATH 514*	Professionalized Subject Matter in Pre-calculus Mathematics	3
MATH 515*	Math Manipulatives 1	3
MATH 516*	Math Manipulatives 2	3
MATH 517*	Calculators in the K-8 Classroom	3
MATH 518*	Calculators in the Secondary Classroom	3
MATH 526*	Algorithmic Number Theory	3
MATH 527*	Probability and Statistics	3
MATH 529*	Selected Topics in Topology	3
MATH 531*	Numerical Analysis	3
MATH 536*	Mathematical Modeling	3
MATH 540*	Graph Theory	3
MATH 598*	Mathematical Principles of Computer Graphics	3
MATH 599*	Structured Programming in C Language	3

**Note:** <sup>1</sup> General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

*This major track may be followed, upon graduation, with application for the alternate route to NJ math teacher certification. See the Mathematics Department Chair for details.*

***Bachelor of Arts in  
Mathematics with Teacher  
Certification in Mathematics***  
**(MINIMUM 36 CREDITS)**

Completion of this major program prepares one for a career as a math teacher in elementary, middle, and high schools, in which math is taught as a separate subject. Continued study may include a master's degree in mathematics, mathematics education, computer science, environmental science, business administration, or other related fields.

Admission to the education certification program requires a minimum CGPA of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 10061 Mathematics: Content Knowledge prior to EDU 480 (Internship). Students who are interested in the education certification program must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of the certification program.

Course requirements for completion include the following. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
MATH 140* <sup>1</sup>	Statistics I	3
MATH 166*	Elementary Functions	3
MATH 260*	Linear Algebra	3
MATH 295*	Survey of Modern Math	3
MATH 320*	Modern Geometry I	3
<i>or</i>		
MATH 512*	Professionalized Subject Matter in Geometry	3
MATH 330*	Math Statistics I	3
MATH 370*	Abstract Algebra	3
<i>Restricted electives: Select 12 credits from the following sequences of Calculus courses.</i>		
MATH 190* <sup>1</sup>	Calculus I	3
<i>and</i>		
MATH 191*	Calculus II	3
<i>and</i>		
MATH 290*	Calculus III	3
<i>and</i>		
MATH 291*	Calculus IV	3
<i>or</i>		
MATH 192*	Calculus & Analytical Geometry I	4
<i>and</i>		
MATH 193*	Calculus & Analytical Geometry II	4
<i>and</i>		
MATH 292*	Calculus & Analytical Geometry III	4
<i>Restricted electives: Select a minimum of 3 credits from the following courses numbered 300 or above. Undergraduates with at least 85 credits, at least 24 credits in math major courses through MATH 291 (Calculus III) and a CGPA of at least 3.0 may take 500-level electives with the permission of the department chair. No more than two courses numbered 508–518 may be counted towards the major.</i>		
MATH 321*	Modern Geometry II	3
MATH 331*	Mathematical Statistics II	3
MATH 350*	Elements of Numerical Analysis	3
MATH 371*	Abstract Algebra II	3
MATH 380*	Real Analysis	3
MATH 410*	History of Mathematics	3
MATH 430*	Topology	3
MATH 440*	Number Theory	3
MATH 450*	Advanced Calculus I	3
MATH 451*	Advanced Calculus II	3
MATH 501*	Math Content Praxis Review	1
MATH 502*	Concepts of Computer Science	3
MATH 503*	Computers in Mathematics	3
MATH 508*	Professionalized Subject Matter in Arithmetic	3
MATH 510*	Professionalized Subject Matter in Algebra	3
MATH 511*	Professionalized Subject Matter in Middle School Mathematics	3
MATH 512*	Professionalized Subject Matter in Geometry	3
MATH 514*	Professionalized Subject Matter in Pre-calculus Mathematics	3
MATH 515*	Math Manipulatives 1	3
MATH 516*	Math Manipulatives 2	3
MATH 517*	Calculators in the K-8 Classroom	3
MATH 518*	Calculators in the Secondary Classroom	3
MATH 526*	Algorithmic Number Theory	3
MATH 527*	Probability and Statistics	3
MATH 529*	Selected Topics in Topology	3
MATH 531*	Numerical Analysis	3

*(Continued on next page)*

Course Code	Course Title	Credits
MATH 536*	Mathematical Modeling	3
MATH 540*	Graph Theory	3
MATH 598*	Mathematical Principles of Computer Graphics	3
MATH 599*	Structured Programming in C Language	3
<i>Required General Studies Program courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
PSYC 152 <sup>2</sup>	Developmental: Adolescence through Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
INTD 180 <sup>2</sup>	Computer as a Tool for Science and Math	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301	Challenges in Urban Education	3
LTED 330	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 2372*	Secondary Methods of Teaching Mathematics	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management & Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

**Notes:** <sup>1</sup> General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.  
<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement.  
 See **page 26**—“Undergraduate Requirements.”

**Minor in Mathematics**

Students who minor in mathematics must complete the following requirements.

Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Restricted electives: Select a minimum of six credits from the following sequences of Calculus courses.</i>		
MATH 190* <sup>1</sup>	Calculus I	3
MATH 191*	Calculus II	3
<i>or</i>		
MATH 192*	Calculus and Analytic Geometry I	4
MATH 193*	Calculus and Analytic Geometry II	4
<i>Electives: Select a minimum of 18 credits from the courses below, at least 12 of which must be numbered 200 or higher.</i>		
CS 202*	Discrete Structures I	3
CS 203*	Discrete Structures II	3
MATH 140* <sup>1</sup>	Statistics I	3
MATH 141*	Statistics II	3
MATH 165* <sup>1</sup>	Pre-Calculus	3
MATH 166*	Elementary Functions	3
MATH 220*	Applications of Math	3
MATH 240*	Readings in Mathematics	3
MATH 260*	Linear Algebra	3
MATH 290*	Calculus III	3
MATH 291*	Calculus IV	3
MATH 292*	Calculus & Analytic Geometry III	4
MATH 295*	Survey of Modern Math	3
MATH 310*	Differential Equations	3
MATH 311*	Differential Equations for Engineers	4
MATH 320*	Modern Geometry I	3
MATH 321*	Modern Geometry II	3
MATH 330*	Mathematical Statistics I	3
MATH 331*	Mathematical Statistics II	3
MATH 350*	Elements of Numerical Analysis	3
MATH 370*	Abstract Algebra I	3
MATH 371*	Abstract Algebra II	3
MATH 380*	Real Analysis	3
MATH 410*	History of Mathematics	3
MATH 430*	Topology	3
MATH 440*	Number Theory	3
MATH 450*	Advanced Calculus I	3
MATH 451*	Advanced Calculus II	3

**Note:** <sup>1</sup> General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

**Course Descriptions****MATH 095 BASIC COLLEGE MATH (3)**

This course develops computational skills involving operations and applications of whole numbers, integers, and rational numbers with an emphasis on use of calculators. Short introductions to the areas of algebra, geometry, statistics, and graphical interpretation are included. Selected students may have the opportunity to complete the requirements of both MATH 095 and MATH 098 in this course. This is a 3-hour, 3 non-degree credit course.

**MATH 097 MATH EXPRESS (1)**

This course is designed for students who received a grade of "R" in MATH 095 and failed to pass by less than 20% of the minimum passing score. Instructor recommendation is required. This course can also be taken by other students who failed to pass a placement test by less than 20% of the required passing score. Recommendation from the Testing Office or the Math Academic Foundations Coordinator is required. This is an intensive, one-week course which is usually offered in mid-August.

**MATH 098 ALGEBRA FOR COLLEGE (4)**

This course is an introduction to algebra that concentrates on graphic representation, problem solving, and the use and manipulation of polynomials and other algebraic expressions to model and interpret real-life situations. The central themes are the applications of linear and quadratic relationships. This is a 4-hour, 4 non-degree credit course.

**Prerequisite:** MATH 095 Basic College Math or Comp Exam

**MATH 099 ALGEBRA EXPRESS (1)**

This course is designed for students who received a grade of "R" in Math 098 and failed to pass by less than 20% of the minimum passing score. Instructor recommendation is required. This course can also be taken by other students who failed to pass a placement test by less than 20% of the required passing score. Recommendation from the Testing Office or the Math Academic Foundations Coordinator is required. This is an intensive, one-week course which is usually offered in mid-August.

**MATH 102 FUNDAMENTALS OF MATH I (3)**

Students seeking a general knowledge of mathematics should take this course. Topics included are: set theory, mathematical logic, number theory, number systems, algebra and geometry. This course may fulfill an All University Requirement.

*Prerequisite:* MATH 098 Algebra for College or equivalent in high school

**MATH 112 INTERMEDIATE ALGEBRA (3)**

This course contains many topics usually taught in a second-year algebra course including functions and relations. It is an advanced review of algebra designed for students who desire sufficient knowledge for Pre-Calculus and Calculus. It is a useful aid for increasing one's ability to solve problems in business, nursing, education, and science. This course fulfills an All University Requirement.

*Prerequisite:* MATH 098 Algebra for College or its equivalent in high school

**MATH 140 STATISTICS I (3)**

Statistics I is a study of mode, median, mean, standard deviation, various descriptive techniques, the binomial and normal distributions, and an introduction to statistical inference. Statistical concepts are applied primarily to the natural and social sciences, business administration, and criminal justice using packaged software such as Minitab.

*Prerequisite:* MATH 112 Intermediate Algebra or its equivalent

**MATH 141 STATISTICS II (3)**

Statistics II continues the study of statistics and inference. Topics covered in this course include sampling theory, estimation, tests of hypotheses, regression, least squares, chi-square, and analysis of variance. This course may be used as an elective for any minor or major in math and may be useful to all other students in natural and social sciences, business administration, and criminal justice. Computer software such as Minitab or Systat is utilized where appropriate.

*Prerequisite:* MATH 140 Statistics I or its equivalent

**MATH 165 PRE-CALCULUS (3)**

Selected topics from algebra, exponential and logarithmic functions, trigonometry and analytic geometry are chosen to provide a suitable background for Calculus I.

*Prerequisite:* MATH 112 Intermediate Algebra or its equivalent in high school or college

**MATH 166 ELEMENTARY FUNCTIONS (3)**

An introductory treatment of properties of elementary functions with emphasis on graphical analysis is presented in this course. The course also investigates the graphical meaning of the derivative and integral.

*Prerequisite:* MATH 165 Pre-Calculus or its equivalent

**INTD 180 COMPUTER TOOLS FOR SCIENCE AND MATH (3)**

This course offers an introduction to the use of such applications as Derive, Convergence, Geometer's Sketchpad, Matlab, Maple, Scientific Workplace, and Microsoft Office. This course is a general studies course, and may not be counted toward the Math major or minor.

*Prerequisites:* INTD 120 and Math 112 Intermediate Algebra or its equivalent

**MATH 190 CALCULUS I (3)**

Differential calculus of polynomial and trigonometric functions is the focus of this course. The course includes topics such as limits, derivatives, and applications of differentiation.

*Prerequisite:* MATH 165 Pre-Calculus or equivalent

**MATH 191 CALCULUS II (3)**

This course offers a study of integral calculus, antiderivatives, definite and indefinite integrals. Logarithmic and exponential functions, hyperbolic functions and techniques of integration are also studied.

*Prerequisite:* MATH 190 Calculus I or equivalent

**MATH 192 CALCULUS AND ANALYTIC GEOMETRY I (4)**

This course presents a study of differential calculus of polynomial and trigonometric functions, applications of differentiation including maximum minimum problems and Newton's Method and Rolle's Theorem. Anti-differentiation, definite, and indefinite integrals are also involved. This course is part of a 12-semester hour sequence in Calculus for Pre-Engineering students.

*Prerequisite:* MATH 165 Pre-Calculus or equivalent

**MATH 193 CALCULUS AND ANALYTIC GEOMETRY II (4)**

This course deals with the applications of the definite integral including area and volume problems, surface area, and work problems. Logarithmic and Exponential Functions, Hyperbolic Functions, Techniques of Integration, L'Hopital's Rule, and Infinite Series are also included.

*Prerequisite:* MATH 192 Calculus and Analytic Geometry I or equivalent

**MATH 205 PROBLEM SOLVING (3)**

This course seeks to prepare elementary education majors to pass the national test required for teacher certification. It provides a thorough review of problem solving skills through Pre-Calculus for others. This course is a General Studies course and may not be counted toward the Math major or

minor.

*Prerequisite:* MATH 112 Intermediate Algebra or equivalent

**MATH 220 APPLICATIONS OF MATHEMATICS (3)**

This course includes topics in the theory of optimization. The topics include the maximization and/or minimization of univariate functions (using such methods as exhaustive search, interval search, random search, and Fibonacci search), and multivariate functions (using techniques such as the method of steepest descent). The linear programming problem is introduced and the simplex method is used for solving it. Topics are covered in the context of decision-making.

*Prerequisite:* MATH 191 Calculus II or equivalent

**MATH 240 READINGS IN MATHEMATICS (3)**

This course investigates and expands upon topics in the undergraduate curriculum by examining the literature in current mathematical periodicals and journals as well as utilizing appropriate technology such as graphing calculators and computer software. An introduction to research and mathematical presentations, oral and written, is required of students. Classes consist of open discussions of topics from past and contemporary mathematics.

*Prerequisite:* MATH 191 Calculus II or equivalent

**MATH 260 LINEAR ALGEBRA (3)**

Algebra of matrices and vector spaces and applications to the solution of systems of linear equations and geometric transformations are studied in this course.

*Prerequisite:* MATH 191 Calculus II or MATH 193 Calculus and Analytic Geometry II or equivalent

**MATH 290 CALCULUS III (3)**

This is a continuation of Calculus II. Topics studied include improper integrals, L'Hopital's Rule, infinite series, conic sections, polar coordinates, parametric equations, and introduction to vectors.

*Prerequisite:* MATH 191 Calculus II or equivalent

**MATH 291 CALCULUS IV (3)**

As a continuation of Calculus III, this course includes the study of three-dimensional spaces, vectors, vector valued functions, partial derivatives, multiple integration, line integrals, and Green's Theorem.

*Prerequisite:* MATH 290 Calculus III or equivalent

**MATH 292 CALCULUS & ANALYTIC GEOMETRY III (4)**

This course (with MATH 192 and MATH 193) is part of a 12-credit sequence in calculus for pre-engineering students. Topics include polar coordinates and parametric equations, three-dimensional space, vectors, vector valued functions, partial derivatives, multiple integrals, and topics in vector calculus.

*Prerequisite:* MATH 193 Calculus and Analytic Geometry II or equivalent

**MATH 295 SURVEY OF MODERN MATH (3)**

This course provides a transition to higher mathematics. Topics include elementary set theory, elementary symbolic logic, elementary number theory, equivalence relations, and functions. Emphasis is on techniques of proofs.

*Prerequisite or Corequisite:* MATH 191 Calculus II or MATH 193 Calculus and Analytic Geometry II or equivalent

**MATH 310 DIFFERENTIAL EQUATIONS (3)**

This is the first course in differential equations, including such topics as separate variables, homogeneous equations, integrating factors, linear and higher order differential equations, and applications.

*Prerequisite:* MATH 290 Calculus III or MATH 292 Calculus & Analytic Geometry III or equivalent

**MATH 311 DIFFERENTIAL EQUATIONS FOR ENGINEERS (4)**

This course is more thorough than Math 310 and is designed for pre-engineering students.

*Prerequisite:* MATH 292 Calculus and Analytic Geometry III or equivalent

**MATH 320 MODERN GEOMETRY I (3)**

This course focuses on reformulation of Euclidean Geometry from an advanced viewpoint. Distance, congruences, betweenness, separation in planes and space, geometric inequalities, and the Euclidean concept of congruence without distance are covered.

*Prerequisite:* MATH 191 Calculus II or MATH 193 Calculus and Analytic Geometry II or equivalent

**MATH 321 MODERN GEOMETRY II (3)**

The three geometries, parallel postulates and projections, area functions, perpendicular lines and planes, Saccheri quadrilaterals, inversion and reflection, hyperbolic geometry, absolute geometry, Bolyai's theorem, defects and area, and consistency of the hyperbolic postulates are studied in this course.

*Prerequisite:* MATH 320 Modern Geom-

etry I or equivalent

**MATH 330 MATHEMATICAL STATISTICS I (3)**

This course is an introduction to Calculus-based mathematics of statistics. Topics include basic combinatorial methods, random variables, probability distributions and densities, expectation, and the binomial and normal distributions.

*Corequisite:* MATH 290 Calculus III or MATH 292 Calculus & Analytic Geometry III or equivalent

**MATH 331 MATHEMATICAL STATISTICS II (3)**

An analysis of applications of probability and mathematical statistics is presented in this course. Topics include sampling distributions, point estimation, interval estimation, hypothesis testing, regression and correlation, and analysis of variance.

*Prerequisite:* MATH 330 Mathematical Statistics I or equivalent

**MATH 350 ELEMENTS OF NUMERICAL ANALYSIS (3)**

Error analysis, finite differences, integrative methods, interpolation, and numerical differentiation and integration are the topics studied in this class.

*Prerequisite:* MATH 290 Calculus III or MATH 292 Calculus & Analytic Geometry III or equivalent

**MATH 370 ABSTRACT ALGEBRA I (3)**

This is the first course in abstract algebra. Topics include study of groups, permutations, cyclic groups, sub-groups, isomorphism, cosets, rings, fields, and integral domains.

*Prerequisites:* MATH 295 Survey of Modern Math and MATH 191 Calculus II or MATH 193 Calculus and Analytic Geometry II or equivalent

**MATH 371 ABSTRACT ALGEBRA II (3)**

Abstract Algebra II is a study of groups, rings, ideals, lattices, solvable groups, and roots of polynomial equations. It is a continuation of MATH 370.

*Prerequisite:* MATH 370 Abstract Algebra I or equivalent

**MATH 380 REAL ANALYSIS (3)**

This is a study of sets, mappings, sequences, connected, open and closed sets, continuity, uniform convergence, and metric spaces. The course offers an introduction to measure theory.

*Prerequisites:* MATH 295 Survey of Modern Math and MATH 191 Calculus II or MATH 193 Calculus and Analytic Geometry II or equivalent

**MATH 410 HISTORY OF MATHEMATICS (3)**

This course is a historical narrative of the development of major mathematical ideas and concepts over the centuries. Students concentrate on related problems and their applications, the study of which provides them with valuable information in business, science, education, and research. Knowledge of the rudiments of mathematics through calculus is desirable for the course.

*Prerequisite:* MATH 191 Calculus II or MATH 193 Calculus and Analytic Geometry II or equivalent

**MATH 430 TOPOLOGY (3)**

Topology is an introductory course in which sets, functions, topological spaces, subspaces, continuity, connectedness, compactness, separation properties, metric spaces, and product spaces are studied.

*Corequisite:* MATH 291 Calculus IV or MATH 292 Calculus & Analytic Geometry III or equivalent

**MATH 440 NUMBER THEORY (3)**

This course offers a study of divisibility, the division algorithm, Euclid's algorithm, prime numbers, congruences, number theoretic functions, and quadratic reciprocity.

*Corequisite:* MATH 290 Calculus III or or MATH 292 Calculus & Analytic Geometry III or equivalent

**MATH 450 ADVANCED CALCULUS I (3)**

In this course advanced topics of calculus are presented. Elementary calculus, real number system, properties of continuous functions, extensions of the mean-value theorem, Taylor series, and functions of several variables are rigorously considered.

*Prerequisite:* MATH 291 Calculus IV or MATH 292 Calculus & Analytic Geometry III or equivalent

**MATH 451 ADVANCED CALCULUS II (3)**

Elements of partial differentiation, implicit function theorems, inverse function theorem, line integrals, Green's Theorem, transformation of double integrals, uniform continuity, theory of integration, uniform convergence, and infinite series are studied in this course.

*Prerequisite:* MATH 450 Advanced Calculus I or equivalent

**MATH 1165 PRE-CALCULUS (BUSINESS) (3)**

This course is directed to the needs of the business major. Topics include: polynomial and rational functions and graphs, exponential and logarithmic functions, systems of equations and matrices, linear programming, and introduction to calculus.



*Prerequisite:* MATH 112 Intermediate Algebra or its equivalent

**MATH 501 MATH CONTENT PRAXIS REVIEW (1)**

*Please see the Graduate Catalog for course description.*

**MATH 502 CONCEPTS OF COMPUTER SCIENCE (3)**

*Please see the Graduate Catalog for course description.*

**MATH 503 COMPUTERS IN MATHEMATICS (3)**

*Please see the Graduate Catalog for course description.*

**MATH 508 PROFESSIONALIZED SUBJECT MATTER IN ARITHMETIC (3)**

*Please see the Graduate Catalog for course description.*

**MATH 510 PROFESSIONALIZED SUBJECT MATTER IN ALGEBRA (3)**

*Please see the Graduate Catalog for course description.*

**MATH 511 PROFESSIONALIZED SUBJECT MATTER IN MIDDLE SCHOOL MATHEMATICS (3)**

*Please see the Graduate Catalog for course description.*

**MATH 512 PROFESSIONALIZED SUBJECT MATTER IN GEOMETRY (3)**

*Please see the Graduate Catalog for course description.*

**MATH 514 PROFESSIONALIZED SUBJECT MATTER IN PRE-CALCULUS MATHEMATICS (3)**

*Please see the Graduate Catalog for course description.*

**MATH 515 MATH MANIPULATIVES 1 (3)**

*Please see the Graduate Catalog for course description.*

**MATH 516 MATH MANIPULATIVES 2 (3)**

*Please see the Graduate Catalog for course description.*

**MATH 517 CALCULATORS IN THE K-8 CLASSROOM (3)**

*Please see the Graduate Catalog for course description.*

**MATH 518 CALCULATORS IN THE SECONDARY CLASSROOM (3)**

*Please see the Graduate Catalog for course description.*

**MATH 526 ALGORITHMIC NUMBER THEORY (3)**

*Please see the Graduate Catalog for course description.*

**MATH 527 PROBABILITY AND STATISTICS (3)**

*Please see the Graduate Catalog for course description.*

**MATH 529 SELECTED TOPICS IN TOPOLOGY (3)**

*Please see the Graduate Catalog for course description.*

**MATH 531 NUMERICAL ANALYSIS (3)**

*Please see the Graduate Catalog for course description.*

**MATH 536 MATHEMATICAL MODELING (3)**

*Please see the Graduate Catalog for course description.*

**MATH 540 GRAPH THEORY (3)**

*Please see the Graduate Catalog for course description.*

**MATH 598 MATHEMATICAL PRINCIPLES OF COMPUTER GRAPHICS (3)**

*Please see the Graduate Catalog for course description.*

**MATH 599 STRUCTURAL PROGRAMMING IN C LANGUAGE (3)**

*Please see the Graduate Catalog for course description.*

## MEDIA ARTS

Fries Hall, Rm. 106  
201-200-3494  
<http://web.njcu.edu/dept/mediaarts>

**Prof. Roddy Bogawa, Chairperson**  
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The Media Arts Department is accredited by the National Association of Schools of Art and Design (NASAD). The Media Arts Department houses a full color, broadcast-quality television studio, Macintosh and PC digital media labs, radio and audio production facilities, and 16mm film production and post-production facilities. The department has a studio/classroom for multi-media production and two large projection/seminar rooms for weekly screenings. Completing the Media Arts facilities are AVID and Final Cut Pro video editing suites, and 16mm Steenbeck editing suites. Works produced in the Media Arts Department include experimental, digitally animated, documentary and narrative short subjects, and independent feature productions.

The department is the official home of The Thomas Edison-Black Maria Film and Video Festival, recognized by The Academy of Motion Picture Arts and Sciences as an Academy Award qualifying festival for short films (documentary, animation, and live action). The department also sponsors the Urban Image media collective whose mission is to provide venues for emerging artists – current media majors and graduates of the Media Arts program – to exhibit their work through partnership with arts organizations in Hudson County. The Media Arts Department is also a co-sponsor of the New Jersey Young Film and Videomakers Festival.

Faculty members are active in the production of original films and videos. Their

work has been screened at major festivals and museums including the Museum of Modern Art, the Margaret Mead Festival at the Museum of Natural History, and The Whitney Museum of American Art.

The Media Arts Department offers a single degree track, providing students with a rigorous foundation in media production, as well as the opportunity to pursue a concentration in the areas of video, film, digital media production, and audio production. Department faculty members act as advisors and mentors in the areas of film production, video production, audio production, digital media, screenwriting, and theory/aesthetics. The department offers an innovative minor program that allows students to design their own program of study under the guidance of a faculty mentor. Students outside the department wishing to take media classes must complete all required prerequisites and obtain the permission of the chair before registering for 300- and 400-level courses.

The Dr. Joseph Drew Award for Excellence in Production is given every year to a graduating senior from the Media Arts Department. The recipient of the award is chosen by the Media Arts Department faculty on the basis of an overall cumulative grade point average (CGPA) of 3.0 or better, and the demonstration of a high level of technical competence in a number of production areas as well as a high level of creativity and professionalism in completed productions.

Requirements for admission, fields of employment, continued areas of education, and course requirements for this major are explained in detail below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

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### ***Bachelor of Arts in Media Arts*** **(MINIMUM 51 CREDITS)**

Completion of this major prepares one for a career as a production assistant, research assistant, script advisor, or post-production assistant. Continued study may include a master's and/or doctoral degree in media studies or a master of fine arts degree in production or film studies.

Students are accepted in the Media Arts major only after review by the department, and they must have achieved a minimum grade point average of 2.5 to apply for admission. Majors must maintain a minimum grade point average of 2.0 to graduate with a degree in Media Arts.

Course requirements for completion of this degree track are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These pre- and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
MEDI 102 <sup>1</sup>	Development of Film I	3
MEDI 103 <sup>1</sup>	Development of Film II	3
MEDI 110*	Foundations of Media Design	3
MEDI 204	Media in American Society	3
MEDI 205*	Introduction to Digital Media	3
MEDI 210*	Sound Production	3
MEDI 311*	Video Production I	3
MEDI 312*	Film Production I	3
MEDI 330	Media Writing	3
<i>or</i>		
MEDI 331	Screenwriting	3
<i>or</i>		
MEDI 332	Writing Commercial Copy	3
MEDI 402*	Film Aesthetics	3
MEDI 422*	Multimedia Production	3
<i>Restricted electives: Select a minimum of 18 credits from the following courses, of which a minimum of 12 credits must be in studio production courses. Please see course descriptions below to identify studio courses.</i>		
MEDI 100 <sup>1</sup>	Intro to Media	3
MEDI 119 <sup>1</sup>	Film and Critical Issues	3
MEDI 205*	Introduction to Digital Media	3
MEDI 215*. <sup>1</sup>	Introduction to International Cinemas	3
MEDI 224	Analysis of Film: Screenwriting	3
MEDI 230	Photo I	3
MEDI 302*	Film Genre: French Film	3
MEDI 303*	Film Genre: Alfred Hitchcock	3
MEDI 304*	Film Genre: Film Noir	3
MEDI 305*	Film Genre: Woody Allen	3
MEDI 306*	Film Genre: The Western	3
MEDI 307*	Film Genre: Science Fiction	3
MEDI 310*	Multi-Track Music Production	3
MEDI 320*	Radio Production	3
MEDI 321*	Film Genre: The Musical	3
MEDI 322*	Film Genre: Horror	3
MEDI 323*	Film Genre: Bernardo Bertolucci	3
MEDI 324*	Film Genre: Orson Welles	3
MEDI 325*	Film Genre: Italian Film	3
MEDI 326*	Film Genre: Avant-Garde	3
MEDI 327*	Film Genre: Women in Film	3
MEDI 328*	Film Genre: Latin American Film	3
MEDI 329*	Film Genre: Documentary	3
MEDI 333*	Film Production II	3
MEDI 334*	Film Genre: Charlie Chaplin	3
MEDI 335*	Film Genre: Race and Ethnicity in Film	3
MEDI 336*	Film Genre: Contemporary European Film	3
MEDI 337*	Film Genre: Courtroom Drama	3
MEDI 338*	Film Genre: American Directors	3
MEDI 339*	Film Genre: The Male Image in Film	3
MEDI 341*	Film Genre: Comedies of the 1930s and 1940s	3
MEDI 342*	Film Genre: Howard Hawks	3
MEDI 343*	Film Genre: John Ford	3
MEDI 346*	Film Genre: Contemporary Black Film	3
MEDI 348*	Film Genre: Films of the 80's & 90's	3
MEDI 349*	Film Genre: The Independents	3

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Course Code	Course Title	Credits
MEDI 350*	Film Genre: Film Music	3
MEDI 351*	Film Genre: Asian Film	3
MEDI 401*	Images, Meaning and Technology	3
MEDI 409*	Interactive Media Authoring	3
MEDI 410*	Video Field Production and Editing	3
MEDI 411*	Advanced Video Production	3
MEDI 412*	Film Directing	3
MEDI 413*	Video Production Workshop: Documentary	3
MEDI 414*	Film Post Production	3
MEDI 415*	3-D Computer Animation	3
MEDI 416*	Film and TV Lighting	3
MEDI 417*	Film Practicum: Advanced Cinematography	3
MEDI 418*	Human Conflict in Film	3
MEDI 419*	Digital Media II	3
MEDI 420*	Media Arts Seminar	3
MEDI 423*	Post-Production Techniques in Sound	3
MEDI 424*	Post-Production Techniques in Video	3
MEDI 430*	Honors in Media I	3
MEDI 431*	Honors in Media II	3
SPFD X320	Seminar in Cooperative Education	2-6

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Students are required to undertake a Cooperative Education internship as part of the major. To register for a Co-op internship, students must have completed MEDI 110 (Foundations of Media Design), MEDI 210 (Sound Production), MEDI 311 (Video Production I), and MEDI 312 (Video Production II), and have earned a minimum GPA of 2.5. Two Co-op credits will count toward major requirements, and any additional Co-op credits will count toward elective requirements for graduation.

### Minor in Media Arts

#### (MINIMUM 18 CREDITS)

The Media Arts Department offers a minor in media arts. Students minor in media arts by completing the following requirements. Application to the department chairperson is required for a review of records and to determine eligibility.

Course requirements for completion include the following. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
MEDI 110	Foundations of Media Design	3
<i>Electives: Select a minimum of 15 credits from the following courses.</i>		
MEDI 100 <sup>1</sup>	Introduction to Media	3
MEDI 102 <sup>1</sup>	Development of Film I	3
MEDI 103 <sup>1</sup>	Development of Film II	3
MEDI 104	2-D Design	3
MEDI 119 <sup>1</sup>	Film and Critical Issues	3
MEDI 204	Media in American Society	3
MEDI 205*	Introduction to Digital Media	3
MEDI 210*	Sound Production	3
MEDI 215* <sup>1</sup>	Introduction to International Cinemas	3
MEDI 224	Analysis of Film: Screenwriting	3
MEDI 230	Photo I	3
MEDI 302*	Film Genre: French Film	3
MEDI 303*	Film Genre: Alfred Hitchcock	3
MEDI 304*	Film Genre: Film Noir	3

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Course Code	Course Title	Credits
MEDI 305*	Film Genre: Woody Allen	3
MEDI 306*	Film Genre: The Western	3
MEDI 307*	Film Genre: Science Fiction	3
MEDI 310*	Multi-Track Music Production	3
MEDI 311*	Video Production I	3
MEDI 312*	Film Production I	3
MEDI 320*	Radio Production	3
MEDI 321*	Film Genre: The Musical	3
MEDI 322*	Film Genre: Horror	3
MEDI 323*	Film Genre: Bernardo Bertolucci	3
MEDI 324*	Film Genre: Orson Welles	3
MEDI 325*	Film Genre: Italian Film	3
MEDI 326*	Film Genre: Avant-Garde	3
MEDI 327*	Film Genre: Women in Film	3
MEDI 328*	Film Genre: Latin American Film	3
MEDI 329*	Film Genre: Documentary	3
MEDI 330	Media Writing	3
MEDI 331	Screenwriting	3
MEDI 332	Writing Commercial Copy	3
MEDI 333*	Film Production II	3
MEDI 334*	Film Genre: Charlie Chaplin	3
MEDI 335*	Film Genre: Race and Ethnicity in Film	3
MEDI 336*	Film Genre: Contemporary European Film	3
MEDI 337	Film Genre: Courtroom Drama	3
MEDI 338*	Film Genre: American Directors	3
MEDI 339*	Film Genre: The Male Image in Film	3
MEDI 341*	Film Genre: Comedies of the 1930s and 1940s	3
MEDI 342*	Film Genre: Howard Hawks	3
MEDI 343*	Film Genre: John Ford	3
MEDI 346*	Film Genre: Contemporary Black Film	3
MEDI 348*	Film Genre: Films of the 80's & 90's	3
MEDI 349*	Film Genre: The Independents	3
MEDI 350*	Film Genre: Film Music	3
MEDI 351*	Film Genre: Asian Film	3
MEDI 401*	Images, Meaning and Technology	3
MEDI 402*	Film Aesthetics	3
MEDI 409*	Interactive Media Authoring	3
MEDI 410*	Video Field Production and Editing	3
MEDI 411*	Advanced Video Production	3
MEDI 412*	Film Directing	3
MEDI 413*	Video Production Workshop: Documentary	3
MEDI 414*	Film Post Production	3
MEDI 415*	3-D Computer Animation	3
MEDI 416*	Film and TV Lighting	3
MEDI 417*	Film Practicum	3
MEDI 418*	Human Conflict in Film	3
MEDI 419*	Digital Media II	3
MEDI 420*	Media Arts Seminar	3
MEDI 422*	Multi-Media Production	3
MEDI 423*	Post-Production Techniques in Sound	3
MEDI 424*	Post-Production Techniques in Video	3
MEDI 430*	Honors in Media I	3
MEDI 431*	Honors in Media II	3
SPFD X320	Seminar in Cooperative Education	2-6

*Notes:* <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—“Undergraduate Requirements.”

<sup>2</sup>To register for a Cooperative Education internship, students must have completed MEDI 110 (Foundations of Media Design), MEDI 210 (Sound Production), MEDI 311 (Video Production I), and MEDI 312 (Video Production II), and have earned a minimum GPA of 2.5. 2 Co-op credits will count toward major requirements, and any additional Co-op credits will count toward elective requirements for graduation.

*Course Descriptions*

**MEDI 100 INTRODUCTION TO MEDIA (3)**

This course takes an historical approach to the evolution of media and human communication and seeks to develop a deeper understanding of how media interact and influence human consciousness and patterns of interaction.

**MEDI 102 DEVELOPMENT OF FILM I (3)**

This course presents an historical approach to the development of the motion picture as an international art form, and the film industry from its inception through the 1940s. Classes consist of viewing films and discussing them in terms of social history and cinematic development.

**MEDI 103 DEVELOPMENT OF FILM II (3)**

A continuation of MEDI 102, this course screens and analyzes films from the 1950s to the present. Lectures explore related social issues and cinematic art. *Note:* It is recommended that students take MEDI 102 Development of Film I before enrolling in this course.

**MEDI 110 FOUNDATIONS OF MEDIA DESIGN (3)**

This course provides a broad and rigorous orientation for all areas of media production. It begins with an activity-based study of the psychological and physiological bases for production/perception and the development of vocabularies for further work. Through the interplay between assignments in pre-production planning, design, photography, audio, film, and video, students explore the underlying processes and principles of media making. Participants in the course become involved in readings, lectures, storyboard design, and viewing films and videotapes. Production experiences in sound, slide photography, multi-image, video, and non-linear editing are assigned. Studio course.

*Corequisite:* MEDI 210 Sound Production

**MEDI 119 FILM AND CRITICAL ISSUES (3)**

This course explores human values and political, social, and psychological issues as expressed in contemporary films. Students are encouraged to develop their knowledge of film aesthetics by discussing cinematography, sound, lighting, directing, editing and acting.

**MEDI 204 MEDIA IN AMERICAN SOCIETY (3)**

This course explores various issues relating to the interaction of media and the cultural life of contemporary American society. In this class, students will reflect upon the

statements of artists, scholars, journalists, social activists and others relating to the impact of media on society. Students will also examine and debate critical issues relating to the study of media in American society.

**MEDI 205 INTRODUCTION TO DIGITAL MEDIA (3)**

This course introduces students to concepts behind 2-D digital artwork. Students learn how to work with photographic images, how to create bitmap graphics and develop and create ideas using Adobe Photoshop. Studio course.

*Prerequisite:* MEDI 110 Foundations of Media Design

**MEDI 210 SOUND PRODUCTION (3)**

The Sound Production student endeavors to successfully complete a regimen designed to train the ear and master basic tools and techniques required of those producing sound for pure acoustic purposes or as part of mixed media productions. Students employ analog and digital tools, such as microphones, recorders, mixers and workstations, and develop aesthetic aural judgment skills - the essential foundation for sound production in music, radio, film, video and new media. Studio course.

*Corequisite:* MEDI 110 Foundations of Media Design

**MEDI 215 INTRODUCTION TO INTERNATIONAL CINEMAS (3)**

This survey course introduces students to a variety of films and related social, cultural, historical, and aesthetic issues from film-producing nations, other than the United States. Films screened and discussed may include experimental, independent, fiction, and non-fiction texts from the 1930s to the present.

*Prerequisite:* MEDI 102 Development of Film I, or MEDI 103 Development of Film II

**MEDI 224 ANALYSIS OF FILM: SCREENWRITING (3)**

Whether a student aspires to be a screenwriter, director, producer, editor, or cinematographer, having a clear understanding of the structural principles and narrative techniques of drama is an essential tool of the trade. Through screening and analyzing successful films, this course reveals how information is communicated through visual means, how action is used to build dramatic momentum, how dialogue is used in scene construction and what makes a character credible and complex. Films are shown in class followed by a scene-by-scene analysis. Students are required to do their own analy-

sis of two films in the course of the term.

**MEDI 230 PHOTO I (3)**

This is a basic course in black and white photography providing the student with both fundamental theory and practical application of the camera, film processing and printing, on which all commercial and fine art photography is based. *Required:* Manual 35mm camera and light meter. Studio course.

**MEDI 302 FILM GENRE: FRENCH FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 303 FILM GENRE: ALFRED HITCHCOCK (3)**

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 304 FILM GENRE: FILM NOIR (3)**

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 305 FILM GENRE: WOODY ALLEN (3)**

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 306 FILM GENRE: THE WESTERN (3)**

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 307 FILM GENRE: SCIENCE FICTION (3)**

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 310 MULTI-TRACK MUSIC PRODUCTION (3)**

This course is comprised of music sessions wherein students record performances through the use of microphones and multi-track technology in a studio/control room environment. Advanced microphone placement, signal processing, session setup and management strategies, as well as effective artist relations are primary topics within the intensive series of sessions. Students record music within the classroom studio environment and construct their own mixes during individual sessions for evaluation. Not limited to musicians. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design and MEDI 210 Sound

Production

**MEDI 311 VIDEO PRODUCTION I (3)**

Video Production I is a hands-on, participatory course in the theory and practice of video production. The emphasis is on the student becoming both a competent technician as well as a thinking producer. The technical basics of how video cameras work and how video signals are mixed and manipulated will be covered. While the primary focus is on multi-camera studio production, there is also work in field production and non-linear editing. Students write, produce and direct a studio project alone or with a partner. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design and MEDI 210 Sound Production

**MEDI 312 FILM PRODUCTION I (3)**

This course offers an introduction to 16mm film production. Students learn the theoretical and practical applications of reflex viewing and focusing, editing, and montage through a progression of lecture/discussions and exercises of increasing complexity. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design and MEDI 210 Sound Production

**MEDI 320 RADIO PRODUCTION (3)**

Radio Production students master advanced techniques employed generally in broadcasting, specifically in radio, a live, performance oriented art. This course stresses developing the skill-set necessary for typical radio broadcast airshift duties: board operation, editing, mixing, voice work, program development and producer skills. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design and MEDI 210 Sound Production

**MEDI 321 FILM GENRE: THE MUSICAL (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 322 FILM GENRE: HORROR (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 323 FILM GENRE:**

**BERNARDO BERTOLUCCI (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 324 FILM GENRE:**

**ORSON WELLES (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 325 FILM GENRE: ITALIAN FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 326 FILM GENRE: AVANT-GARDE (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 327 FILM GENRE:**

**WOMEN IN FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 328 FILM GENRE:**

**LATIN AMERICAN FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 329 FILM GENRE:**

**DOCUMENTARY (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 330 MEDIA WRITING (3)**

This course is an introduction to writing for the media. Students are expected to write profiles, opinion pieces, interviews, print media, radio, and television news. Journalistic ethics and legal issues are also discussed. Studio course.

**MEDI 331 SCREENWRITING (3)**

This course introduces students to the fundamentals of writing for film. Students experience the same creative process as a professional screenwriter, moving from the initial concept to completion of a 30-page screenplay for a half-hour film. Plot structure, character development, and economical dialogue are emphasized. Scenes and sequences from well-known films are analyzed in class. Studio course.

**MEDI 332 WRITING COMMERCIAL COPY (3)**

This course introduces students to persuasive writing and the creative/conceptual aspect of the advertising business. Students research and develop ad campaigns, transforming their strategies into concrete executions for print, radio and television. The history of advertising, theories of consumer behavior, and legal and ethical are also discussed. Studio course.

**MEDI 333 FILM PRODUCTION II (3)**

In this advanced production course students create a sound sync film, explore the potential of sound on film and discover the possibilities of manipulating time and space through the editing process. A major emphasis is placed on the technical and aesthetic problems involved in lighting design, pre-production planning, and post-production editing. Professional, standard 16mm equipment is used in all phases of production. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, and MEDI 312 Film Production I

**MEDI 334 FILM GENRE:**

**CHARLIE CHAPLIN (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change

every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 335 FILM GENRE:**

**RACE AND ETHNICITY IN FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 336 FILM GENRE:**

**CONTEMPORARY EUROPEAN FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 337 FILM GENRE:**

**COURTROOM DRAMA (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 338 FILM GENRE:**

**AMERICAN DIRECTORS (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 339 FILM GENRE:**

**THE MALE IMAGE IN FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 341 FILM GENRE: COMEDIES OF THE 1930S AND 1940S (3)**

Film Genre is a detailed study of one particular film subject, director or national

cinema. Film Genre topics, which change every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 342 FILM GENRE:  
HOWARD HAWKS (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 343 FILM GENRE: JOHN FORD (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 346 FILM GENRE:**

**CONTEMPORARY BLACK FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 348 FILM GENRE:**

**FILMS OF THE 80'S & 90'S (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 349 FILM GENRE:**

**THE INDEPENDENTS (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 350 FILM GENRE: FILM MUSIC (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change

every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 351 FILM GENRE: ASIAN FILM (3)**

Film Genre is a detailed study of one particular film subject, director or national cinema. Film Genre topics, which change every semester, are announced prior to registration.

**Prerequisite:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 401 IMAGES, MEANING  
AND TECHNOLOGY (3)**

This intensive seminar addresses issues of contemporary art-making practices from a perspective of modern media and technology. It examines related cultural theory, intellectual currents, social and philosophical phenomena as well as presents a brief historical outline of postmodernist art. Special emphasis is placed on the development of the digital media field, both as a mean of communication and a form of artistic expression. The class is open to students without computer graphics software experience. This course is highly recommended for media arts majors, fine arts majors, and art history students who are in graduate programs or are interested in pursuing graduate studies.

**Prerequisites:** MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, and MEDI 205 Intro to Digital Media, or permission of instructor

**MEDI 402 FILM AESTHETICS (3)**

This course is an advanced analysis/critical thinking class that requires extensive reading and writing. Students should expect to complete between 18-60 pages of revised writing during the semester. Class participation and in-class exercises stress close analysis of film texts; students must also view several films outside of class. Students should have a working familiarity with technical aspects of video and film production. In this course, students study classic Hollywood narrative films, foreign films, art cinema, and independent films as a means of examining stylistic and technical choices, and their impact on the subject, themes, characters, and components of film and video.

**Prerequisites:** MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 409 INTERACTIVE**

**MEDIA AUTHORIZING (3)**

This course offers an in-depth study of web design. Students explore the techniques as well as the various creative forms of digital media, such as logo design, credits, and animation. Studio course.

**Prerequisite:** MEDI 110 Foundations of Media Design and permission of instructor

**MEDI 410 VIDEO FIELD**

**PRODUCTION AND EDITING (3)**

Video Field Production covers all stages of single channel remote television production, from writing a proposal to post-production editing. Careful pre-production planning and thoughtful structuring of projects are stressed. Production skills involving cameras, lighting, and audio are covered, as well as both linear and computer-based non-linear editing. After completion of a series of short exercises, which are designed to build an understanding of each step of the video-making process, students each produce a final project. Critique and analysis of completed works is a critical component of the course. This is a cross-genre course in which documentary, narrative, and experimental forms are all discussed. Studio course.

**Prerequisites:** MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, and MEDI 311 Video Production I

**MEDI 411 ADVANCED**

**VIDEO PRODUCTION (3)**

Advanced Video emphasizes the development of the directorial voice and the evolution of students as video producers. This course concentrates on ideas, conceptual issues, and storytelling rather than on technical instruction. Time is spent screening, discussing, and analyzing works by outside directors. Video is examined as a distinct medium with its own history, course of development, and aesthetics. Contemporary trends in independent video production are explored, the relationship of form to content is discussed, and issues of genre, ethics, journalism, and narrative are explored. Each student produces several exercises designed to explore these issues as well as an independent final project. Studio course.

**Prerequisites:** MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, MEDI 311 Video Production I, and MEDI 410 Video Field Production and Editing

**MEDI 412 FILM DIRECTING (3)**

This course offers an advanced level examination of directorial manipulation and control of the components of film produc-



tion including ideas, actors, and equipment. Students prepare or continue directorial projects, focusing on location issues, crew breakdowns, scheduling, and practical solutions to production work. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, and MEDI 312 Film Production I

**MEDI 413 VIDEO PRODUCTION WORKSHOP: DOCUMENTARY (3)**

This course combines theory and practice in documentary form and production. It includes screenings, critical analysis of documentary aesthetics, and intensive technical and practical study.

Each student produces a short documentary during the semester. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, MEDI 311 Video Production I, and MEDI 410 Video Field Production and Editing

**MEDI 414 FILM POST-PRODUCTION (3)**

This course studies film editing as an art form. Previously shot footage is analyzed and edited according to principles of continuity and montage. The many problems facing the filmmaker after the film is shot are also discussed, including building soundtracks, ADR and Foley, and sound mixing/editing. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, and MEDI 312 Film Production I

**MEDI 415 3-D**

**COMPUTER ANIMATION (3)**

This is an advanced aesthetic as well as technical course in the basics of 3-D modeling and animation. Introductory techniques in modeling, lighting, texture mapping, animation, and rendering are taught. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design and MEDI 205 Introduction to Digital Media, or permission of instructor

**MEDI 416 FILM AND TV LIGHTING (3)**

This course offers a study of the functional and aesthetic applications of lighting for color and black and white interiors and exteriors in film and video. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, and MEDI 311 Video Production I or MEDI 312 Film Production I

**MEDI 417 FILM PRACTICUM:**

**ADVANCED CINEMATOGRAPHY (3)**

This is an advanced seminar designed to expand the filmmaker's skill in budgeting,

production management, lighting, cinematography, filters, gels, and various film stocks. Technical aspects from choice of lens to roles and responsibilities of the camera crew are examined. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, MEDI 312 Film Production I, and MEDI 333 Film Production II

**MEDI 418 HUMAN CONFLICT IN FILM (3)**

Through the medium of film, this course explores the various crisis situations that people may confront in their lives. Students' perspectives are broadened through discussions of philosophy and ethics. Various filmmaking approaches and expository techniques are analyzed.

*Prerequisite:* MEDI 102 Development of Film I or MEDI 103 Development of Film II

**MEDI 419 DIGITAL MEDIA II (3)**

This is an advanced-level continuation of MEDI 205 Introduction to Digital Media. Students explore movement and animation within the medium of computer graphics. State-of-the-art computer systems are utilized to prepare students for entry-level positions and computer animation apprenticeships. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design and MEDI 205 Introduction to Digital Media

**MEDI 420 MEDIA ARTS SEMINAR (3)**

This course is structured as a series of discussions that bring media students together with leading creative and managerial media practitioners. Students are required to write a final paper relating the seminar material to their own career orientations.

*Prerequisite:* MEDI 110 Foundations of Media Design and MEDI 210 Sound Production

**MEDI 422 MULTI-MEDIA PRODUCTION (3)**

This is an advanced course providing a rigorous orientation for multi-media production. Through assignments in pre-production planning, design, photography, audio, and editing, students explore the processes and principles of media-making. Students submit a notebook/journal, research a major international film or videomaker, view international films and videotapes, screen and submit written critiques of work on a weekly basis, and collaborate on the design and execution of a senior thesis project using a variety of media. Emphasis is placed on a professional approach to production. Students are encouraged to prepare their work for entry in festival competitions.

Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 205 Digital Media, MEDI 210 Sound Production, MEDI 311 Video Production I, and MEDI 312 Film Production I; MEDI 410 Video Field Production and Editing is strongly recommended

**MEDI 423 SOUND POST-PRODUCTION (3)**

Students master advanced tools and techniques required of those producing sound for motion picture synchronization in the media of film, video and animation. Sound elements are discussed, developed and employed in visuals. The building blocks of the modern soundtrack: effects, music, ambience, atmospheres, dialogue - and techniques such as Foley and ADR - are explored in depth. The course presents SMPTE time code issues and practical approaches to resolving common synchronization problems. Students must supply one original motion picture (film/video/animation) for soundtrack creation. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design and MEDI 210 Sound Production

**MEDI 424 POST-PRODUCTION TECHNIQUES IN VIDEO (3)**

This is an advanced-level course on editing as both a technical and creative process. The course directs students to refine their technical skills in non-linear digital editing, as well as taking into consideration conceptual aspects of storytelling structure and technique. Studio course.

*Prerequisites:* MEDI 110 Foundations of Media Design, MEDI 210 Sound Production, MEDI 311 Video Production, and MEDI 410 Video Field Production and Editing

**MEDI 430 HONORS IN MEDIA I (3)**

This is an opportunity for students of proven ability to pursue an area of advanced independent study. An instructor who will supervise their work must recommend them. Studio course.

*Prerequisites:* Minimum 3.0 GPA, and permission of the instructor and chairperson

**MEDI 431 HONORS IN MEDIA II (3)**

This is an opportunity for students of proven ability to pursue an area of advanced independent study. An instructor who will supervise their work must recommend them. Studio course.

*Prerequisites:* MEDI 430 Honors in Media I, minimum 3.0 GPA, and permission of the instructor and chairperson

## MODERN LANGUAGES

Karnoutsos Hall, Rm. 202  
201-200-3176  
<http://web.njcu.edu/dept/modlang>

**Dr. Alberto Barugel, Chairperson**  
[abarugel@njcu.edu](mailto:abarugel@njcu.edu)

**Professor: Barugel**  
**Associate Professor: López-Díaz**  
**Assistant Professors: Lagos, Said-Mohand**

The Modern Languages Department hosts a chapter of the National Spanish Honor Society, Sigma Delta Pi. Voces Latinas, a publication of student writing, is published annually. Each year the department hosts a month-long international film festival.

The Department offers courses in Spanish, French, Italian, Arabic, and Japanese on a regular basis. Elementary Russian and Mandarin Chinese are offered intermittently. Students are advised to consult the schedule of classes each semester to determine the department's most current offerings.

The Modern Languages Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each of these are explained in detail below. General Studies Program requirements for graduation are listed on **page 26**—"Undergraduate Requirements."

Bachelor of Arts in Spanish, p. 158

Bachelor of Arts in Spanish—

Teacher Certification (Spanish), p. 159

Minor in Spanish, p. 160

### *Bachelor of Arts in Spanish* (MINIMUM 36 CREDITS)

Completion of this major prepares one for a career as a Spanish language instructor, reporter, translator/interpreter, public relations assistant, sales representative, or import/export coordinator. Continued study may include a master's degree in Spanish (language and/or literature), applied linguistics, or Hispanic studies.

The minimum requirements for admission to this degree track are a 2.5 cumulative grade point average (CGPA) and 2.0 general studies CGPA.

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
LANG 304*	Advanced Spanish Composition I	3
LANG 305*	Civilization and Culture of Spain	3
LANG 306*	Civilization and Culture of Spanish America	3
LANG 307*	Survey of Spanish Literature	3
LANG 308*	Survey of Spanish American Literature	3
LANG 310*	Spanish-English Comparative Grammar I	3
LANG 311*	Spanish-English Comparative Grammar II	3
LANG 314*	Advanced Spanish Composition II	3
<i>Restricted electives: Select a minimum of 12 credits from the following courses.</i>		
LANG 309*	Latin American Influences on US Culture	3
LANG 401*	Hispanic Literature of the Caribbean	3
LANG 402*	Race and Ethnicity In Spanish American Literature	3
LANG 406*	20th Century Spanish American Prose	3
LANG 407*	19th Century Spanish American Literature	3
LANG 408*	Colonial and Post-Colonial Studies	3
LANG 410*	Latina and Latin-American Women Writers	3
LANG 416*	20th Century Spanish Prose	3
LANG 417*	19th Century Spanish Literature	3
LANG 418*	Theater of the Golden Age	3
LANG 419*	Cervantes	3
LANG 420*	20th Century Spanish American Poetry	3
LANG 421*	20th Century Spanish American Drama	3

***Bachelor of Arts in Spanish with Teacher Certification in Spanish***  
**(MINIMUM 36 CREDITS)**

Completion of this major prepares one to be a Spanish teacher in elementary schools, middle schools, and high schools in which Spanish is taught as a separate subject. Continued study may include a master's degree in Spanish (language and/or literature), applied linguistics, Hispanic studies, or world language education.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, a minimum score of "advanced-low" on the Oral Proficiency Interview (OPI), and the minimum CGPA that is in effect at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to Field Experience II and the Praxis exam 10191 Spanish: Content Knowledge prior to Internship.

Course requirements for the completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
LANG 304*	Advanced Spanish Composition I	3
LANG 305*	Civilization and Culture of Spain	3
LANG 306*	Civilization and Culture of Spanish America	3
LANG 307*	Survey of Spanish Literature	3
LANG 308*	Survey of Spanish-American Literature	3
LANG 310*	Spanish-English Comparative Grammar I	3
LANG 311*	Spanish-English Comparative Grammar II	3
LANG 314*	Advanced Spanish Composition II	3
<i>Restricted electives: Select 12 credits from the following courses.</i>		
LANG 309*	Latin American Influences on US Culture	3
LANG 401*	Hispanic Literature of the Caribbean	3
LANG 402	Race and Ethnicity In Spanish-American Literature	3
LANG 406*	20th Century Spanish-American Prose	3
LANG 407*	19th Century Spanish-American Literature	3
LANG 408*	Colonial and Post-Colonial Studies	3
LANG 410*	Latina and Latin-American Women Writers	3
LANG 416*	20th Century Spanish Prose	3
LANG 417*	19th Century Spanish Literature	3
LANG 418*	Theater of the Golden Age	3
LANG 419*	Cervantes	3
LANG 420*	20th Century Spanish-American Poetry	3
LANG 421*	20th Century Spanish-American Drama	3
LANG 510* <sup>2</sup>	Second Language Methodology I	3
<i>Required General Studies Program courses</i>		
BIOL 103 <sup>1</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>1</sup>	The Human Body	3
GEOS 111 <sup>1</sup>	Principles of Earth Science	3
INTD 149 <sup>1</sup>	Human and Intercultural Relations	3
PSYC 152 <sup>1</sup>	Adolescence through Adulthood	3
SOC 114 <sup>1</sup>	Sociology of the Family	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301	Challenges in Urban Education	3
LTED 330	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 2372*	Secondary Methods of Teaching Mathematics	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management & Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

<sup>2</sup>Required by New Jersey Department of Education for teacher certification in Spanish.

**Minor in Spanish****(MINIMUM 18 CREDITS)**

Students minor in Spanish by completing the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course	Code Title	Credits
<i>Required</i>		
LANG 304*	Advanced Spanish Composition I	3
LANG 305*	Civilization and Culture of Spain	3
LANG 306*	Civilization and Culture of Spanish America	3
LANG 307*	Survey of Spanish Literature	3
LANG 308*	Survey of Spanish-American Literature	3
LANG 314*	Advanced Spanish Composition II	3

**Course Descriptions****LANG 103 ELEMENTARY SPANISH I (3)**

This course provides the essentials of basic communication in Spanish, with primary emphasis on oral communication (speaking and understanding oral speech). It is recommended for students with little or no previous knowledge of Spanish. Students who have completed two or more years of high school Spanish or are native speakers may not register for this course.

**LANG 104 ELEMENTARY SPANISH II (3)**

This course is a continuation of LANG 103 Elementary Spanish I.

**Prerequisites:** LANG 103 Elementary Spanish I, or one to two years of high school Spanish

**LANG 105 ELEMENTARY FRENCH I (3)**

This course provides the essentials of basic communication in French, with primary emphasis on oral communication (speaking and understanding oral speech). It is recommended for students with little or no previous knowledge of French. Students who have completed two or more years of high school French or who are native speakers may not register for this course.

**LANG 106 ELEMENTARY FRENCH II (3)**

This course is a continuation of LANG 105, Elementary French I.

**Prerequisites:** LANG 105 Elementary French I, or one to two years of high school French

**LANG 107 ELEMENTARY ITALIAN I (3)**

This course provides the essentials of basic communication in Italian, with a primary emphasis on oral communication (speaking and understanding oral speech). It is recommended for students with little or no previous knowledge of Italian.

**LANG 108 ELEMENTARY ITALIAN II (3)**

This course is a continuation of LANG 107 Elementary Italian I.

**Prerequisites:** LANG 107 Elementary Italian I, or one to two years of high school Italian

**LANG 117 ELEMENTARY JAPANESE I (3)**

This course is intended for students whose objective is acquiring a working knowledge of spoken Japanese in everyday life. While stressing development of verbal fluency, the course also provides students with the opportunity to master the native Japanese "alphabets" of Hiragana and Katakana and introduces Kanji, the Chinese characters that are an essential part of written Japanese.

**LANG 118 ELEMENTARY JAPANESE II (3)**

This course is a continuation of LANG 117 Elementary Japanese I. The emphasis is on continuing development of verbal fluency and the opportunity to further develop reading and writing skills.

**Prerequisite:** LANG 117 Elementary Japanese I

**LANG 119 ELEMENTARY GERMAN I (3)**

This course provides the essentials of basic communication in German, with a primary emphasis on oral communication (speaking and understanding oral speech). It is recommended for students with little or no previous knowledge of German.

**LANG 120 ELEMENTARY GERMAN II (3)**

This course is a continuation of LANG 119 Elementary German I.

**Prerequisites:** LANG 119 Elementary German I, or one to two years of high school German

**LANG 123 ELEMENTARY RUSSIAN I (3)**

This course provides the essentials of basic communication in Russian, with a primary

emphasis on oral communication (speaking, and understanding oral speech). Emphasis is placed on mastering the Russian alphabet, recognition (reading) of printed letters and learning to write in cursive style. There is also extensive classroom discussion of Russian customs and cultural attitudes. The course is recommended for students with little or no previous knowledge of Russian.

**LANG 124 ELEMENTARY RUSSIAN II (3)**

This course is a continuation of LANG 123 Elementary Russian I and is recommended for students who have already mastered the Russian alphabet and have a knowledge of basic Russian grammar.

**Prerequisite:** LANG 123 Elementary Russian I

**LANG 130 SPANISH FOR HEALTH CARE PROFESSIONALS (3)**

This course is intended primarily for students planning to enter the health care professions and whose objective is a working knowledge of Spanish. Development of oral skills is fostered through classroom recreations of real life scenarios. Cultural dimensions are also discussed.

**Prerequisite:** One semester of LANG 103 or 104 Elementary Spanish, or departmental approval

**LANG 131 ELEMENTARY ARABIC I (3)**

This course provides the essentials of basic communication in classical Arabic. Emphasis is on oral communication (speaking and understanding oral speech) and provides an introduction to Arabic characters. It is recommended for students with little or no previous knowledge of Arabic.

**LANG 132 ELEMENTARY ARABIC II (3)**

This course is a continuation of LANG 131 Elementary Arabic I.

**LANG 141 ELEMENTARY CHINESE I (3)**

This course is intended for students whose objective is a working knowledge of standard Mandarin Chinese. While stressing the development of oral communication, the course will acquaint students with Chinese characters, and provide opportunities for discussion of Chinese customs and cultural attitudes. Recommended for students with little or no previous knowledge of Chinese.

**LANG 142 ELEMENTARY CHINESE II (3)**

Continuation of Elementary Chinese I (LANG 141). Intended for students whose objective is a working knowledge of standard Mandarin Chinese, this course stresses the development of oral communication, acquaints students with Chinese characters, and provides opportunities for discussion of Chinese customs and cultural attitudes.

Recommended for students with two years or less of previous study of Chinese.

**LANG 201 INTERMEDIATE FRENCH I (3)**

This is a continued study of the French language. Speaking and reading practice are emphasized through communicative activities, selected readings, and classroom discussion.

*Prerequisites:* LANG 106 Elementary French II, two years of high school French, or departmental approval

**LANG 202 INTERMEDIATE FRENCH II (3)**

This course provides intensive practice in oral and written communication through readings, compositions, and classroom discussion.

*Prerequisites:* LANG 106 Elementary French II, two years of high school French, or departmental approval

**LANG 203 INTERMEDIATE SPANISH I (3)**

This is a continued study of the Spanish language. Speaking and reading practice are emphasized through communicative activities, selected readings, and classroom discussion.

*Prerequisites:* LANG 104 Elementary Spanish II

**LANG 204 INTERMEDIATE SPANISH II (3)**

This course provides intensive practice in oral and written communication through readings, compositions, and class discussion.

*Prerequisites:* LANG 203 Intermediate Spanish I, or two years of high school Spanish, or departmental approval

**LANG 207 INTERMEDIATE ITALIAN I (3)**

This course is a continued study of the Italian language. Speaking and reading practice are emphasized through communicative activities, selected readings, and classroom discussion.

*Prerequisites:* LANG 108 Elementary Italian II, or two years of high school Italian, or departmental approval

**LANG 208 INTERMEDIATE ITALIAN II (3)**

This course provides intensive practice in oral and written communication through readings, compositions, and classroom discussion.

*Prerequisites:* LANG 207 Intermediate Italian I, or two years of high school Italian, or department approval

**LANG 215 SPANISH FOR**

**BILINGUAL SPEAKERS I (3)**

Intermediate-level course designed for students who have a speaking knowledge of Spanish, but lack formal preparation in the language. Emphasis on the study and application of Spanish grammar, vocabulary

building, and the development of reading and writing skills.

**LANG 216 SPANISH FOR BILINGUAL SPEAKERS II (3)**

This is an intensive course for students who are proficient in spoken Spanish but lack formal preparation in the language. Emphasis is on the study and application of grammar, vocabulary building, and developing reading and writing skills.

*Prerequisite:* LANG 215 Spanish for Native Speakers I, or placement test, or department approval.

**LANG 230 BUSINESS SPANISH (3)**

This is an intensive study of business terminology in Spanish through applied exercises and practical business correspondence. Simulated conversations are staged to provide active oral vocabulary practice.

*Prerequisite:* LANG 104 Elementary Spanish II, or departmental approval

**LANG 301 ADVANCED SPANISH GRAMMAR I (3)**

This course is a review of Spanish grammar and usage on an advanced level, with special emphasis on the needs of prospective teachers. The course focuses on application of grammatical principles through textbook exercises, writing assignments, and oral presentations.

*Prerequisites:* LANG 204 Intermediate Spanish II, or 4 years of high school Spanish, or departmental approval

**LANG 302 ADVANCED SPANISH GRAMMAR II (3)**

This course offers further work in special problem areas of Spanish grammar and usage, with a focus on the needs of prospective teachers. The course focuses on application of grammatical principles through textbook exercises, writing assignments, and oral presentations.

*Prerequisites:* LANG 301 Advanced Spanish Grammar I, or 4 years of high school Spanish, or departmental approval

**LANG 304 ADVANCED SPANISH COMPOSITION I (3)**

This course provides writing practice in Spanish at an advanced level. It focuses on important structural elements of the written language and varieties of style in a workshop environment where students can share and discuss their work.

*Prerequisites:* LANG 204 Intermediate Spanish II, or any 300-level Spanish course, or departmental approval

**LANG 305 CIVILIZATION AND CULTURE OF SPAIN (3)**

This course examines the development of

Spanish institutions and cultural history with attention paid to ethnic, political and artistic aspects. Lectures, readings, and reports are in Spanish.

*Prerequisites:* LANG 204 Intermediate Spanish II, or any 300-level Spanish course, or departmental approval

**LANG 306 CIVILIZATION AND CULTURE OF SPANISH AMERICA (3)**

This course examines the evolution of Spanish American countries from their indigenous civilizations to the present, with attention paid to historical, ethnic, political, economic, and artistic aspects. Lectures, readings and reports are in Spanish.

*Prerequisites:* LANG 204 Intermediate Spanish II, or any 300-level Spanish course, or departmental approval

**LANG 307 SURVEY OF SPANISH LITERATURE (3)**

This course is an introduction to the literature of Spain through a study of representative authors and works from the Middle Ages to the present.

*Prerequisites:* LANG 204 Intermediate Spanish II, or any 300-level Spanish course, or departmental approval

**LANG 308 SURVEY OF SPANISH AMERICAN LITERATURE (3)**

This course is an introduction to the literature of Spanish America through representative authors and works from the Discovery to the present. Lectures, readings, discussions, and reports are in Spanish.

*Prerequisites:* LANG 204 Intermediate Spanish II, or any 300-level Spanish course, or departmental approval

**LANG 309 LATIN AMERICAN INFLUENCE ON UNITED STATES CULTURE (3)**

This course examines the manifestations of Hispanic culture as transported and adapted to the culture of the United States. Spanish and Spanish American contributions in the areas of art, language, literature, music, theater, film, television, and the press are highlighted.

*Prerequisites:* LANG 304 Advanced Spanish Composition I, or LANG 306 Civilization and Culture of Spanish America, or LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 310 SPANISH-ENGLISH COMPARATIVE GRAMMAR I (3)**

This is an intensive course for prospective teachers of Spanish, stressing the areas of differences between the two languages and how these should be presented to students. Application of grammar through textbook activities includes written and spoken trans-

lation exercises.

**Prerequisites:** LANG 304 Advanced Spanish Composition I, or LANG 306 Civilization and Culture of Spanish America, or LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 311 SPANISH-ENGLISH COMPARATIVE GRAMMAR II (3)**

This is a continuation of LANG 310 Spanish-English Comparative Grammar II. It focuses on the comparative study of Spanish grammar and usage on an advanced level, stressing the areas of difference between Spanish and English, with a focus on the needs of prospective teachers. Application of grammar through textbook activities includes written and spoken translation exercises.

**Prerequisites:** LANG 310 Spanish-English Comparative Grammar I, or departmental approval

**LANG 312 CONTEMPORARY FRENCH CULTURE (3)**

This course examines the institutions and culture of modern France, through periodicals, essays, films and literature. Lectures, readings, discussions, and reports are in French.

**Prerequisites:** LANG 202 Intermediate French II, or 4 years of high school French, or departmental approval

**LANG 314 ADVANCED SPANISH COMPOSITION II (3)**

Designed to improve written expression in Spanish through the study of Hispanic literature and culture, this course uses a variety of media (film, television, music, art, and text) as points of departure for the development of writing and critical thinking skills.

**Prerequisite:** LANG 304 Advanced Spanish Composition II, or departmental approval

**LANG 322 ADVANCED FRENCH CONVERSATION (3)**

This course provides intensive practice in conversation on an advanced level on selected and varied topics.

**Prerequisites:** LANG 202 Intermediate French II, or 4 years of high school French, or departmental approval

**LANG 401 HISPANIC LITERATURE OF THE CARIBBEAN (3)**

This course focuses on the culture and history of the Caribbean through a critical reading of representative literary works and historical documents.

**Prerequisites:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 402 RACE AND ETHNICITY IN SPANISH AMERICAN LITERATURE (3)**

This course examines the social constructs of race and ethnicity in the anti-slavery, indianista, and indigenista novels, as well as In the Afro-American literature of the post-modernist period. Lectures, readings, and reports are in Spanish.

**Prerequisite:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 403 LITERATURE OF CUBA (3)**

This course offers a survey of the literature of Cuba from the colonial period to the present. Emphasis is placed on the romantic poets Heredia and Avellaneda, the prose and poetry of Jose Marti, Afro-Cuban poetry, and the novelists of the "Boom" period: Carpentier, Cabrera-Infante and Severo Sarduy.

**Prerequisite:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 404 LITERATURE OF PUERTO RICO (3)**

This course offers a survey of Puerto Rican literature from its colonial beginnings to the contemporary period. Prose, poetry, and dramatic works are read and discussed.

**Prerequisite:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 406 20TH CENTURY SPANISH-AMERICAN PROSE (3)**

This course focuses on the essay, short story and novel of Spanish America from the Modernist period to the present. Lectures, readings, and reports are in Spanish.

**Prerequisite:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 407 19TH CENTURY SPANISH AMERICAN LITERATURE (3)**

This course focuses on the development of romanticism, costumbrismo, and realism in Spanish America, through readings and discussions of representative authors and works of three genres: the novel, drama, and poetry. Lectures, readings, and reports are in Spanish.

**Prerequisite:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 408 COLONIAL AND POST-COLONIAL STUDIES (3)**

This course focuses on the expansion of the colonial canon through the incorporation of texts produced by native and mestizo writers. Emphasis is placed on understand-

ing the relevance of the past in non-Western cultures and its socio-political implications in Latin American and Indigenist communities worldwide.

**Prerequisite:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 410 LATINA AND LATIN AMERICAN WOMEN WRITERS (3)**

The course is an introduction to the writing of contemporary women in Latin America and the United States. It focuses on the maternal body and complex representations of sexuality. The course studies the problematization of writing, which often takes the form of a struggle between testimony and history, private and public discourse, or poetry and prose.

**Prerequisite:** LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 416 20TH CENTURY SPANISH PROSE (3)**

This course offers a critical study of the essay, short story and novel of Spanish Peninsular writers from the Generation of '98 to contemporary authors. Lectures, readings, and reports are in Spanish.

**Prerequisite:** LANG 307 Survey of Spanish Literature, or departmental approval

**LANG 417 19TH CENTURY SPANISH LITERATURE (3)**

The development of romanticism, costumbrismo, and realism in Spain are studied through readings and discussions of representative authors and works of three genres: the novel, drama and poetry. Lectures, readings and reports are in Spanish.

**Prerequisite:** LANG 307 Survey of Spanish Literature, or departmental approval

**LANG 418 THEATER OF THE GOLDEN AGE (3)**

This course examines the origins and development of the Spanish national theater, with emphasis on the works of Lope de Vega, Tirso de Molina, and Calderon de la Barca. Lectures, readings, and reports are in Spanish.

**Prerequisite:** LANG 307 Survey of Spanish Literature, or departmental approval

**LANG 419 CERVANTES (3)**

The course examines the life and works of Miguel de Cervantes with emphasis on his masterpiece, Don Quixote de la Mancha. Lectures, readings and reports are in Spanish.

**Prerequisite:** LANG 307 Survey of Spanish Literature, or departmental approval

**LANG 420 20TH CENTURY SPANISH  
AMERICAN POETRY (3)**

This course focuses on the poetry and poets of Spanish America since Ruben Dario.

*Prerequisite:* LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 421 20TH CENTURY SPANISH  
AMERICAN DRAMA (3)**

This course examines Spanish American theater from realism and naturalism through the surrealist and absurdist periods. Lectures, readings, and reports are in Spanish.

*Prerequisite:* LANG 308 Survey of Spanish American Literature, or departmental approval

**LANG 510 SECOND LANGUAGE  
METHODOLOGY I (3)**

This course provides an introduction to the theories, methods, and materials used in the teaching of world languages in K-12, focusing on the national ACTFL standards and the revised New Jersey World Languages Standards. Students will create and assess thematic units for standards-based world language classrooms using a communicative and contextualized approach.

*Prerequisites:* LANG 305 and LANG 306

## MUSIC, DANCE, AND THEATRE

Rossey Hall, Rm. 238  
200-201-3151  
<http://www.njcu.edu/dept/mdt>

**Dr. Donna Connolly and Dr. Min Kim,**  
Co-Chairpersons  
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**Professors: Dubbiosi, Joffe, Lowenthal**  
**Associate Professors: Connolly, Kim, Warren**  
**Assistant Professors: Baker, Bernard, Dalio,**  
**Johnson, Prowse, Romeo, Rosado**

The music unit of the Music, Dance, and Theatre Department is a full member of, and accredited by, the National Association of Schools of Music (NASM). The Department hosts a chapter of Sigma Alpha Iota, a music fraternity for women, Pi Mu Alpha Sinfonia, a music fraternity for men, a student chapter of the American String Teachers Association (ASTA), a student chapter of the International Association for Jazz Education, and a collegiate chapter of the Music Educators National Conference. The Music, Dance, and Theatre Department presents a series of concerts by students, faculty and guest artists each year. Many members of the music faculty perform, both with orchestral, chamber music, musical theater, and jazz ensembles, and as soloists throughout the world.

The Music, Dance, and Theatre Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained below. General Studies Program requirements for graduation are listed on [page 26](#)—"Undergraduate Requirements."

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### ***Bachelor of Arts in Music—No specialization*** **(MINIMUM 65 CREDITS)**

Completion of this major prepares one for a career as a private instrumental teacher, private voice teacher, piano accompanist, private theory teacher, solo and ensemble performer, and for some jobs in the non-profit and commercial music industries. Continued study may include a master's degree in music education or performance.

The requirements for admission to this degree track are the passing of an instrumental or vocal audition, and the taking of theory, ear-training, and keyboard placement exams.

Course requirements for the completion of the major follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 322*	Applied Music V	1.5
MDT 324*	Applied Music VI	1.5
MDT 422*	Applied Music VII	1.5
MDT 424*	Applied Music VIII	1.5
MDT 121*	Music Major Seminar (8 semesters, 0.5 credit/semester)	4
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 231*	Harmony III	2
MDT 233*	Harmony IV	2
MDT 132*	Ear Training I	2
MDT 134*	Ear Training II	2
MDT 232*	Ear Training III	2
MDT 234*	Ear Training IV	2
MDT 135 <sup>*,2</sup>	Keyboard Methods I	1
MDT 136 <sup>*,2</sup>	Keyboard Methods II	1
MDT 235 <sup>*,2</sup>	Keyboard Methods III	1
MDT 236 <sup>*,2</sup>	Keyboard Methods IV	1
MDT 329*	Music History Before 1750	3
MDT 330*	Music History After 1750	3
MDT 337*	Form and Analysis	2
<i>Restricted electives: For each of eight semesters, select one of the courses below. Each course may be taken several times for credit.</i>		
MDT 153*/154*	Concert Chorale	0.5/1
MDT 159*/160*	NJCU Orchestra	0.5/1
MDT 161*/162*	Symphony of Winds and Percussion	0.5/1

*Electives: Select a minimum of eleven credits in Music classes.*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Piano students must substitute MDT 135/136/235/236 (Keyboard Methods I/II/III/IV) with MDT 142 (Piano Literature), MDT 150 (The Art of Accompanying), MDT 260 (Concerto Repertory), and MDT 270 (Piano Pedagogy).



***Bachelor of Arts in Music—Music Business*****(MINIMUM 82 CREDITS)**

Completion of this program prepares one for their future roles at artist management firms, record labels, music publishers, talent agencies, in traditional and digital-age music marketing, and concert promotion. Continued study may include a master's degree in music business, a master of business administration, or in other entertainment related graduate degree program.

The requirements for admission to this degree track are the passing of an instrumental or vocal audition, and the taking of theory, ear-training, and keyboard placement exams.

Course requirements for the completion of the major follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 121*	Music Major Seminar (4 semesters, 0.5 credit/semester)	2
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 132*	Ear Training I	2
MDT 134*	Ear Training II	2
MDT 135* <sup>2</sup>	Keyboard Methods I	1
MDT 136* <sup>2</sup>	Keyboard Methods II	1
MDT 268* <sup>2</sup>	Computer Music I	3
MDT 353	Survey of the Music Business	3
MDT 384	Arts Management I	3
MDT 385	Arts Management II	3
MDT XXX <sup>3</sup>	History of Popular Music	3
ENGL 200	Writing for Business	3
ECON 101 <sup>4</sup>	Introduction to Economics	3
ECON 208 <sup>4</sup>	Principles of Economics: Micro	3
MEDI 100 <sup>4</sup>	Introduction to Media	3
MEDI 110 <sup>4</sup>	Foundations of Media Design	3
PHIL 103 <sup>4</sup>	Contemporary Moral Issues	3
PHYS 101 <sup>4</sup>	Basic Concepts of Physics	3
BUSI 201	Introduction to Business	3
BUSI 211	Principles of Management	3
BUSI 231	Principles of Marketing	3
BUSI 251	Principles of Accounting I	3
BUSI 281	Business Law I	3
SPFD 1320	Seminar in Cooperative Education	2
<i>Restricted elective: Select three credits from the following courses.</i>		
BUSI 241	International Business	3
BUSI 311	Organization Theory and Practice	3
BUSI 312	Human Resource Management	3
BUSI 331	Consumer Behavior	3
BUSI 332	Marketing Communications	3
<i>Restricted electives: For each of four semesters, select one of the following courses. Each course may be taken several times for credit.</i>		
MDT 153*/154*	Concert Chorale	0.5/1
MDT 159*/160*	NJCU Orchestra	0.5/1
MDT 161*/162*	Symphony of Winds and Percussion	0.5/1

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Piano students must substitute MDT 135/136/235/236 (Keyboard Methods I/II/III/IV) with MDT 142 (Piano Literature), MDT 150 (The Art of Accompanying), MDT 260 (Concerto Repertory), and MDT 270 (Piano Pedagogy).

<sup>3</sup>Course approval and numbering are pending, as of Spring 2011 semester.

<sup>4</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Bachelor of Arts in Music—  
K–12 Music Education Teacher  
Certification**

**(MINIMUM 83.5 CREDITS)**

Completion of this major prepares one to assume the responsibilities of a public school music teacher or a private music instructor. Continued study may include a master's degree in music education or music supervision.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 10113 Music: Content Knowledge prior to EDU 480 (Internship). Students who are interested in the education certification program must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of the certification program.

The requirements for admission to this degree track are the passing of an instrumental or vocal audition, the taking of theory, ear-training, and keyboard placement exams.

Course requirements for completion include the following. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Notes:**

1. Please refer to the Music, Dance and Theater Handbook for recital requirements.
2. All Music Education Voice, Piano, and Guitar majors must enroll in Concert Chorale during each semester, except for the semester when enrolling in EDU 480 (Internship).
3. All Music Education Instrumental Majors (Woodwind, Brass, String, Percussion) must enroll in Concert Chorale during each of four semesters in addition to enrolling in a large ensemble.
4. All Music Education Majors must

enroll in four semesters of any small ensemble.

**CERTIFICATION ONLY**

Students who already have a bachelor's degree in music and wish to obtain a provisional music-teaching certificate must be evaluated by the Music Department for competency in the required areas. Ad-

ditional course work must be completed in order to satisfy requirements for music education certification.

*Note: For the most updated information on this teaching certification program, students are directed to contact Prof. Meredia Warren, Music Education Teacher Certification Program Coordinator, as changes may have occurred since publication.*

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1,4</sup>	Music of the World's People (for Music majors/minors)	3
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 322*	Applied Music V	1.5
MDT 324*	Applied Music VI	1.5
MDT 422*	Applied Music VII	1.5
MDT 121	Music Major Seminar (7 semesters, 0.5 credit/semester)	3.5
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 231*	Harmony III	2
MDT 233*	Harmony IV	2
MDT 132*	Ear-Training I	2
MDT 134*	Ear-Training II	2
MDT 232*	Ear-Training III	2
MDT 234*	Ear-Training IV	2
MDT 135 <sup>*,2</sup>	Keyboard Methods I	1
MDT 136 <sup>*,2</sup>	Keyboard Methods II	1
MDT 235 <sup>*,2</sup>	Keyboard Methods III	1
MDT 236 <sup>*,2</sup>	Keyboard Methods IV	1
MDT 146	Vocal Methods I	1
MDT 148	Percussion Methods	1
MDT 149	String Methods	1
MDT 183 <sup>*,3</sup>	Chamber Ensembles (4 semesters, 0.5 credit/semester)	2
MDT 248	Woodwind Methods	1
MDT 249	Brass Methods	1
MDT 348	Guitar Methods	1
MDT 259*	Musical Composition	2
MDT 268*	Computer Music I	3
MDT 329*	Music History Before 1750	3
MDT 330*	Music History After 1750	3
MDT 337*	Form and Analysis	2
MDT 338*	Instrumental and Vocal Arranging	2
MDT 345*	Instrumental Conducting	1
MDT 346*	Choral Conducting	1
MDT 351*	Music Methods & Materials in Elementary School	3
MDT 451*	Music Methods & Materials in Secondary Education	4
MDT 452*	Student Internship	8

*(Continued on next page)*

Course Code	Course Title	Credits
<i>Restricted electives: For each of seven semesters, select one of the following courses. Each course may be taken several times for credit.</i>		
MDT 153*/154*	Concert Chorale	0.5/1
MDT 159*/160*	NJCU Orchestra	0.5/1
MDT 161*/162*	Symphony of Winds and Percussion	0.5/1
<i>Required General Studies Program Courses</i>		
BIOL 103 <sup>4</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>4</sup>	The Human Body	3
CHEM 105 <sup>4</sup>	General Chemistry I	3
<i>or</i>		
GEOS 111 <sup>4</sup>	Principles of Earth Science	3
<i>or</i>		
PHYS 101 <sup>4</sup>	Basic Concepts in Physics	3
PSYC 150 <sup>4</sup>	Developmental: Birth through Adolescence	3
<i>or</i>		
PSYC 152 <sup>4</sup>	Developmental: Adolescence through Adulthood	3
SOCI 114 <sup>4</sup>	Sociology of the Family	3
INTD 149 <sup>4</sup>	Human and Intercultural Relations	3
Select Additional General Studies Program Courses, other than Music Course		6
<i>Required Education Courses:</i>		
EDU 301*	Challenges in Urban Education	3
EDU 330*	Focus: Development, Behavior & Learning	3
EDU 331*	Field Experience II	1
LTED 330*	Focus: Reading, Language & Literacy	3

**Notes:** <sup>1</sup> General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup> Piano students must substitute MDT 135/136/235/236 (Keyboard Methods I/III/III/IV) with MDT 142 (Piano Literature), MDT 150 (The Art of Accompanying), MDT 260 (Concerto Repertory), and MDT 270 (Piano Pedagogy).

<sup>3</sup> Students may elect to register in MDT 184\* (Chamber Ensembles) for 1 credit per semester.

<sup>4</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—“Undergraduate Requirements.”

***Bachelor of Arts in Music—  
Music Theater*****(MINIMUM 86 CREDITS)**

Completion of this major prepares one for a career in areas such as music theater performer, music theater director, and music theater voice teacher. Continued study may include a master's degree in music theater performance, music theater directing, or music theater production.

The requirements for admission to this degree track are the passing of a vocal, dance and acting auditions, and the taking of theory, ear-training, keyboard and history placement exams.

Course requirements for the completion of the major follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For recital requirements, please refer to the *Music, Dance, and Theatre handbook*.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 113	Acting I	3
MDT 313*	Acting II	3
MDT 370*	Acting III	3
MDT 114	Dance Technique—Ballet	3
MDT 115	Dance Technique—Modern	3
MDT 116	Dance Technique—Jazz	3
MDT 117	Design for Performance	3
<i>or</i>		
MDT 118	Stagecraft	3
MDT 119	Production of Musical Theater I	3
MDT 319*	Production of Musical Theatre II	3
MDT 121*	Music Major Seminar (8 semesters, 0.5 credit/semester)	4
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 132*	Ear Training I	2
MDT 134*	Ear Training II	2
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 183*	Chamber Ensembles (2 semesters, 0.5 credit/semester)	1
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 322*	Applied Music V	1.5
MDT 324*	Applied Music VI	1.5
MDT 422*	Applied Music VII	1.5
MDT 424*	Applied Music VIII	1.5
MDT 135* <sup>2</sup>	Keyboard Methods I	1
MDT 136* <sup>2</sup>	Keyboard Methods II	1
MDT 153* <sup>3</sup>	Concert Chorale (8 semesters, 0.5 credit/semester)	4
MDT 177*	Musical Theatre Workshop (8 semesters, 0.5 credit/semester)	4
MDT 218	Movement for Actors	3
MDT 275	The Musical: Theater and Film	3
MDT 279	Speech for Performance I	3
MDT 280	Costume and Makeup	3
MDT 291	Tap Dance	3

*Electives: Select a minimum of three credits in Music classes, in consultation with Music Theater Coordinator.*

**Notes:**

<sup>1</sup> General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup> Piano students must substitute MDT 135/136/235/236 (Keyboard Methods I/II/III/IV) with MDT 142 (Piano Literature), MDT 150 (The Art of Accompanying), MDT 260 (Concerto Repertory), and MDT 270 (Piano Pedagogy).

<sup>3</sup> Students may elect to register in MDT 154\* (Concert Chorale) for 1 credit per semester.

***Bachelor of Music—  
Performance: Classical—  
Instrumental, other than piano  
(MINIMUM 87 CREDITS)***

Completion of this major prepares one for a career as an instrumental performer (solo or ensemble), private instrument teacher, or conductor. Continued study may include a master's degree in instrumental performance, instrumental literature, or conducting.

The requirements for admission to this degree track are the passing of an instrumental audition, and the taking of theory, ear-training, and keyboard placement exams.

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

*Note:* General studies requirements include the All University Requirements (18 credits) and three credits from each Area A–F (18 credits) plus an additional nine credits in any of the six areas. Please consult with the Music Department for advisement as to both General Studies Program and major requirements.

*Note:* For recital requirements, please refer to the *Music, Dance, and Theatre handbook*.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 121*	Music Major Seminar (8 semesters, 0.5 credit/semester)	4
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 322* <sup>2</sup>	Applied Music V	1.5
MDT 324* <sup>2</sup>	Applied Music VI	1.5
MDT 422* <sup>2</sup>	Applied Music VII	1.5
MDT 424* <sup>2</sup>	Applied Music VIII	1.5
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 231*	Harmony III	2
MDT 233*	Harmony IV	2
MDT 132*	Ear Training I	2
MDT 134*	Ear Training II	2
MDT 232*	Ear Training III	2
MDT 234*	Ear Training IV	2
MDT 135*	Keyboard Methods I	1
MDT 136*	Keyboard Methods II	1
MDT 184*	Chamber Ensemble (8 semesters, 1 credit/semester)	8
MDT 235*	Keyboard Methods III	1
MDT 236*	Keyboard Methods IV	1
MDT 268	Computer Music I	3
MDT 259*	Musical Composition	2
MDT 329*	Music History Before 1750	3
MDT 330*	Music History After 1750	3
MDT 337*	Form and Analysis	2
MDT 338*	Instrumental and Vocal Arranging	2
MDT 342*	18th-Century Counterpoint	2
MDT 345*	Instrumental Conducting	1
MDT 346*	Choral Conducting	1
MDT 525*	Symposium: Application of Theory in Performance	3
MDT XXX <sup>3</sup>	Music Pedagogy	3
<i>Restricted elective(s): Select a minimum of one credit in Music literature courses, in consultation with a performance area coordinator.</i>		
<i>Restricted elective(s): Select a minimum of three credits in Music history courses, in consultation with a faculty advisor.</i>		
<i>Restricted electives: For each of eight semesters, select one of the following courses. Each course may be taken several times for credit.</i>		
MDT 160*	NJCU Orchestra	1
MDT 161*	Symphony of Wind and Percussion 1	

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Students may elect to register for 3 credits in MDT 322/324/422/424 (Applied Music V–VIII).

<sup>3</sup>Course number is pending during 2010–2011.

***Bachelor of Music—  
Performance: Classical—  
Instrumental, piano***  
**(MINIMUM 86 CREDITS)**

Completion of this major prepares one for a career as an instrumental performer (solo or ensemble), private instrument teacher, or conductor. Continued study may include a master's degree in instrumental performance, instrumental literature, or conducting.

The requirements for admission to this degree track are the passing of an instrumental audition, and the taking of theory, ear-training, and keyboard placement exams.

Course requirements for the completion of major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

*Note:* General studies requirements include the All University Requirements (18 credits) and three credits from each Area A–F (18 credits) plus an additional nine credits in any of the six areas. Please consult with the Music Department for advisement as to both General Studies Program and major requirements.

*Note:* For recital requirements, please refer to the *Music, Dance, and Theatre handbook*.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 121*	Music Major Seminar (8 semesters, 0.5 credit/semester)	4
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 322* <sup>2</sup>	Applied Music V	1.5
MDT 324* <sup>2</sup>	Applied Music VI	1.5
MDT 422* <sup>2</sup>	Applied Music VII	1.5
MDT 424* <sup>2</sup>	Applied Music VIII	1.5
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 231*	Harmony III	2
MDT 233*	Harmony IV	2
MDT 132*	Ear Training I	2
MDT 134*	Ear Training II	2
MDT 232*	Ear Training III	2
MDT 234*	Ear Training IV	2
MDT 142	Piano Literature	1
MDT 150*	The Art of Accompanying	1
MDT 184*	Chamber Ensemble (8 semesters, 1 credit/semester)	8
MDT 259*	Musical Composition	2
MDT 260*	Piano Concerto Repertory	1
MDT 268*	Computer Music I	3
MDT 270*	Piano Pedagogy	1
MDT 329*	Music History Before 1750	3
MDT 330*	Music History After 1750	3
MDT 337*	Form and Analysis	2
MDT 338*	Instrumental and Vocal Arranging	2
MDT 342*	18th-Century Counterpoint	2
MDT 345*	Instrumental Conducting	1
MDT 346*	Choral Conducting	1
MDT 525	Symposium: Application of Theory in Performance	3
<i>Restricted elective(s): Select a minimum of three credits in Music history courses, in consultation with a faculty advisor.</i>		
<i>Restricted electives: For each of eight semesters, select one of the following courses. Each course may be taken several times for credit.</i>		
MDT 154*	Concert Chorale	1
MDT 160*	NJCU Orchestra	1
MDT 161*	Symphony of Wind and Percussion	1

*Elective(s): Select a minimum of three credits in Music courses, in consultation with a Piano Studies Coordinator.*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Students may elect to register for 3 credits in MDT 322/324/422/424 (Applied Music V–VIII).

***Bachelor of Music—  
Performance: Classical—Voice***  
**(MINIMUM 89 CREDITS)**

Completion of this major prepares one for a career as a vocal performer (solo or ensemble), private voice teacher, or choral conductor. Continued study may include a master's degree in vocal performance.

The requirements for admission to this degree track are the passing of a vocal audition, and the taking of theory, ear-training, and keyboard placement exams.

Course requirements for the completion of major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

*Note:* General studies requirements include the All University Requirements (18 credits) and three credits from each Area A–D and F (15 credits), plus an additional nine credits from Area E in Italian, French or German language studies, and three additional credits in Areas A–D or F. Please consult with the Music Department for advisement as to both General Studies Program and major requirements. (Revised 12/05)

*Note:* For recital requirements, please refer to the *Music, Dance, and Theatre handbook*.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 121*	Music Major Seminar (8 semesters, 0.5 credit/semester)	4
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 322* <sup>2</sup>	Applied Music V	1.5
MDT 324* <sup>2</sup>	Applied Music VI	1.5
MDT 422* <sup>2</sup>	Applied Music VII	1.5
MDT 424* <sup>2</sup>	Applied Music VIII	1.5
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 231*	Harmony III	2
MDT 233*	Harmony IV	2
MDT 132*	Ear Training I	2
MDT 134*	Ear Training II	2
MDT 232*	Ear Training III	2
MDT 234*	Ear Training IV	2
MDT 135*	Keyboard Methods I	1
MDT 136*	Keyboard Methods II	1
MDT 235*	Keyboard Methods III	1
MDT 236*	Keyboard Methods IV	1
MDT 137	Vocal Literature	3
MDT 173*	Opera Workshop (8 semesters, 0.5 credit/semester)	4
MDT 220*	Diction for Singers	3
MDT 259	Musical Composition	2
MDT 268	Computer Music I	3
MDT 329*	Music History Before 1750	3
MDT 330*	Music History After 1750	3
MDT 337*	Form and Analysis	2
MDT 338*	Instrumental and Vocal Arranging	2
MDT 342*	18th-Century Counterpoint	2
MDT 346*	Choral Conducting	1
MDT 511	Vocal Pedagogy	3
LANG106 <sup>3</sup>	Elementary French I	3
LANG107 <sup>3</sup>	Elementary Italian I	3
LANG119 <sup>3</sup>	Elementary German I	3

*Restricted elective(s):* Select a minimum of three credits in Music history courses, in consultation with the Vocal Studies Coordinator.

*Restricted electives:* For each of eight semesters, select one of the following courses. Each course may be taken several times for credit.

MDT 153*/154*	Concert Chorale	0.5/1
MDT 171*/172*	Chamber Singers	0.5/1

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Students may elect to register for 3 credits in MDT 322/324/422/424 (Applied Music V–VIII).

<sup>3</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—“Undergraduate Requirements.”

***Bachelor of Music—  
Performance: Jazz Studies***  
**(MINIMUM 86 CREDITS)**

Completion of this major prepares one for a career as a jazz performer. Continued study may include a master's degree in jazz performance or other areas of music.

The requirements for admission to this degree track are based upon the results of a performance exam.

Course requirements for the completion of major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

*Note:* General studies requirements include the All University Requirements (18 credits) and three credits from each Area A–F (18 credits) plus an additional nine credits in any of the six areas. Please consult with the Music Department for advisement as to both General Studies Program and major requirements.

*Note:* For recital requirements, please refer to the *Music, Dance, and Theatre handbook*.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 106 <sup>1</sup>	Jazz History (for Music majors/minors)	3
MDT 121*	Music Major Seminar (8 semesters, 0.5 credit/semester)	4
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5
MDT 322* <sup>2</sup>	Applied Music V	1.5
MDT 324* <sup>2</sup>	Applied Music VI	1.5
MDT 422* <sup>2</sup>	Applied Music VII	1.5
MDT 424* <sup>2</sup>	Applied Music VIII	1.5
MDT 131*	Harmony I	2
MDT 133*	Harmony II	2
MDT 231*	Harmony III	2
MDT 233*	Harmony IV	2
MDT 132*	Ear Training I	2
MDT 134*	Ear Training II	2
MDT 232*	Ear Training III	2
MDT 234*	Ear Training IV	2
MDT 135*	Keyboard Methods I	1
MDT 136*	Keyboard Methods II	1
MDT 235*	Keyboard Methods III	1
MDT 144 <sup>3</sup>	Jazz Keyboard Harmony	1
MDT 200*	Jazz Combos (8 semesters, 1 credit/semester)	8
MDT 243* <sup>4</sup>	Jazz Improvisation I	2
MDT 244* <sup>4</sup>	Jazz Improvisation II	2
MDT 327* <sup>4</sup>	Jazz Improvisation III	2
MDT 268	Computer Music I	3
MDT 269*	Computer Music II	3
MDT 338*	Instrumental and Vocal Arranging	2
MDT 339*	Jazz/Commercial Arranging	2
MDT 353*	Survey of the Music Business	3
MDT 509*	Advanced Jazz Improvisation	3
MDT 524*	Jazz Pedagogy	3
MDT 526*	Jazz Arranging	3
<i>Restricted electives: For each of six semesters, select one of the following courses. Each course may be taken several times for credit.</i>		
MDT 175*	Jazz Vocal Ensemble	0.5
MDT 197*	Jazz Ensemble	0.5
<i>Restricted electives: For each of two semesters, select one of the following courses. Each course may be taken several times for credit.</i>		
MDT 176*	Jazz Vocal Ensemble	1
MDT 198*	Jazz Ensemble	1

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>Students may elect to register for 3 credits in MDT 322/324/422/424 (Applied Music V–VIII).

<sup>3</sup>Jazz piano students substitute MDT 336 (Keyboard Jazz).

<sup>4</sup>Jazz piano students need take only MDT 244 (Jazz Improvisation II) and MDT 327 (Jazz Improvisation III) after taking MDT 336 (Keyboard Jazz).



**Minor in Music****(MINIMUM 27 CREDITS)**

The requirements for admission to this minor program track are the passing of an instrumental or vocal audition, and the taking of theory, ear-training, and keyboard placement exams.

Students who minor in Music must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 101 <sup>1</sup>	Survey of Music (for Music majors/minors)	3
MDT 104 <sup>1</sup>	Music of the World's People (for Music majors/minors)	3
MDT 131	Harmony I	2
MDT 133*	Harmony II	2
MDT 132	Ear-Training I	2
MDT 134*	Ear-Training II	2
MDT 135*	Keyboard Methods I	1
MDT 136*	Keyboard Methods II	1
MDT 122*	Applied Music I	1.5
MDT 123*	Applied Music II	1.5
MDT 222*	Applied Music III	1.5
MDT 223*	Applied Music IV	1.5

*Restricted electives: For each of four semesters, select one of the following courses. Each course may be taken several times for credit.*

MDT 153	Concert Chorale	0.5
MDT 159	NJCU Orchestra	0.5
MDT 161	Symphony of Winds and Percussion	0.5
MDT 183	Chamber Ensembles	0.5

*Restricted elective: Select 3 credits from the following courses.*

MDT 106	Jazz History (for Music majors/minors)	3
MDT 268*	Computer Music I	3
MDT 329*	Music History before 1750	3
MDT 330*	Music History after 1750	3
MDT 353	Survey of Music Business	3

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Minor in Dance****(MINIMUM 24 CREDITS)**

**Prof. Anderson Johnson, Coordinator**  
ajohnson@njcu.edu

The goals of the Dance Minor are to provide students with the opportunity to experience the art of dance from the challenging physical commitment to the realization of creative performance. The traditions and principles of the early dance masters and pioneers, and aesthetic contributions made by Graham, Humphrey, Weidman, Ramirez, Robbins and Tharp are an integral part of dance student's experience. The Dance Minor offers students valuable performance experiences as well as participation in departmental musical productions.

Course Code	Course Title	Credits
MDT 114	Dance Technique: Ballet	3
MDT 115	Dance Technique: Modern	3
MDT 116	Dance Technique: Jazz	3
MDT 315	Modern Dance II	3
MDT 301	Choreography Workshop	3
MDT 278	New York Dance	3
MDT 299	Dance Performance Workshop I	3
	Dance Elective*	3

Beyond these course requirements, a Dance Minor is required to spend a minimum of eighty hours in production participation, either onstage or backstage, over a minimum of two major departmental dance and/or theatrical productions.

*\*Dance electives are any dance courses not required for the minor. An independent study or Co-op Dance project may be taken with permission of the Coordinator.*

## *Minor in Theatre Arts* (MINIMUM 24 CREDITS)

**Prof. Anderson Johnson, Coordinator**  
ajohnson@njcu.edu

The goals of the Theatre Minor are to provide students with basic training in theatre in the areas of stage performance, dramatic literature and stage technology. Students acquire skills and experience in stage acting; gain a working knowledge of a broad spectrum of dramatic literature and theatre practices; and acquire basic skills in stage design and construction, lighting, costuming and make-up. Full-stage productions are given each semester. Students in the Theatre minor program should expect to spend a minimum of eighty hours in production participation, either onstage or backstage, over a minimum of two major Department productions.

The requirement for admission to this degree track is the passing of an audition.

Students who minor in theatre must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
MDT 113	Acting I	3
MDT 313*	Acting II	3
MDT 118	Stagecraft	3
MDT 218	Movement for Actors	3
MDT 279	Speech and Performance	3
MDT 280	Costume and Make-up	3
ENGL 227*	Survey of Dramatic Literature to 1620	3
ENGL 228*	Survey of Dramatic Literature from 1620	3

### Course Descriptions

#### **MDT 101 SURVEY OF MUSIC (3)**

This is an introductory course in music designed to develop the student's musical perception. The course provides a survey of the evolution of music focusing on Western civilization and considers the relationship of the evolution to the total culture.

#### **MDT 102 MODERN MUSIC (3)**

This is a survey of the stylistic and national schools of composition that have developed since 1890. Included are impressionism, expressionism, primitivism, neo-classicism, serialism and the avant-garde music written since 1945. Developments in popular styles are also studied.

#### **MDT 103 MUSICAL LIFE IN THE UNITED STATES (3)**

This is a survey of musical activities in the United States from the time of the pilgrims to the present. Emphasis is placed on the variety of musical styles (e.g., folk, popular, and art) and their interaction in American culture.

#### **MDT 104 MUSIC OF THE WORLD'S PEOPLE (3)**

This course is designed to encourage critical listening by bringing the student into direct contact with music of Western and non-Western cultures. It stresses the elements of music-rhythm, melody, harmony, texture, tone color-by studying and analyzing their juxtapositions, and their total effect on musical forms and styles of the world.

Musical illustrations are analyzed in musical terms and in relation to important historical, geographical and ethnological factors.

#### **MDT 105 AFRICAN AND AFRICAN AMERICAN MUSIC AND MUSICIANS (3)**

This is a study of traditional African music, music transported to America from Africa, and outgrowths of African American music from the early period of American civilization to the present.

#### **MDT 106 JAZZ HISTORY (3)**

A study of jazz in the context of the American cultural heritage is presented in this course. Its background, development, and other aspects of the art are treated historically and analytically.

#### **MDT 107 FUNDAMENTALS OF MUSIC (3)**

This course gives the general student a basic understanding of musical structure. Students develop an understanding of music fundamentals and learn how to utilize this knowledge through classroom piano performance and concert attendance.

#### **MDT 108 VOICE CLASS (3)**

This is an introductory course for non-music majors who wish to improve their singing voices. Emphasis is placed on understanding and mastering basic vocal techniques, as well as developing the ability to perform simple works from the standard repertoire. The purpose of this course is to give students the tools to demonstrate artistic singing to others, both as a soloist or member of a vocal ensemble.

#### **MDT 111 INTRODUCTION TO PERFORMING ARTS (3)**

This course involves a workshop in performance skills where students explore movement, acting, voice and improvisation. Readings and attendance at performance events are required.

#### **MDT 113 ACTING I (3)**

This course encourages the development of basic acting skills through theatre games, improvisation, and scene study.

#### **MDT 114 DANCE TECH—BALLET (3)**

This course is a study of ballet skills including barre work with spatial and center study. Readings, written assignments and attendance at performances are required.

#### **MDT 115 DANCE TECH—MODERN (3)**

This course is a study of modern dance techniques designed to facilitate a fuller understanding and appreciation of the dancer's relationship to his/her body as a finely tuned and versatile instrument. Readings, written assignments and attendance at performances are required.

#### **MDT 116 DANCE TECH—JAZZ (3)**

Basic movements inspired by jazz, rock, and other popular musical idioms are explored through the American dance styles developed for recreational and theatrical performance in this course. Readings, written assignments and attendance at performances are required.

#### **MDT 117 DESIGN FOR PERFORMANCE (3)**

This course explores the elements of scene, costume and lighting design are explored. Concepts for design are approached through script analysis. Studio and critique sessions are complemented by backstage participation in department productions.

#### **MDT 118 STAGECRAFT (3)**

This course introduces students to the prin-

ciples and practices involved in the technical aspects of the theatre including set construction, scene painting, lighting, costuming, makeup, and props. Backstage participation in productions is required.

**MDT 119 PRODUCTION OF MUSICAL THEATRE I (3)**

This course offers practical experience in the mounting of a musical and exposes students to the artistic and technical aspects of production, including issues of theatrical collaboration. Readings and backstage participation are required. Course may be co-taught by music, dance, and theatre faculty.

**MDT 121 MUSIC MAJOR SEMINAR (0.5)**

Seminars offer students the opportunity to perform before their peers both as soloists and in ensembles, and to broaden their perception of music by listening to students, faculty and guest artists. Music majors are required to perform at least once each semester.

*Corequisite:* Applied Music I-VIII

**MDT 122 APPLIED MUSIC I (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the end of each semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 123 APPLIED MUSIC II (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the end of each semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 129 INTRODUCTION TO HARMONY (2)**

This course is a preparatory course in the fundamentals of music theory.

*Prerequisite:* Placement Test

**MDT 130 INTRODUCTION TO EAR-TRAINING (2)**

This course is a preparatory course in sight singing and dictation.

*Prerequisite:* Placement Test

**MDT 131 HARMONY I (2)**

This course involves a study of diatonic harmony and elements of part writing using basic triads and the dominant. Figured-bass, melody harmonization and non-harmonic

tones are also covered.

*Prerequisite:* Placement Test

**MDT 132 EAR-TRAINING I (2)**

This course includes the singing of melodies based upon diatonic scales. The movable “do” is used for both major and minor scales. Melodic and harmonic dictation is included in class and laboratory assignments.

*Prerequisite:* Placement Test

**MDT 133 HARMONY II (2)**

This course is a continuation of Harmony I, reviewing harmonization of a given part and introducing the six-four chords, cadences, modulation, the dominant seventh chords, the diminished seventh chords, and simple figured-bass.

*Prerequisite:* MDT 131 Harmony I.

**MDT 134 EAR-TRAINING II (2)**

This course is a continuation of Ear Training I, introducing more advanced sight singing and dictation examples. Harmonic dictation and sight singing include simple chromatic melodies.

*Prerequisite:* MDT 132 Ear-Training I

**MDT 135 KEYBOARD METHODS I (1)**

This course is a beginning course in piano emphasizing music reading, harmonization of melodies, transposition, creating simple piano accompaniments, and playing basic chord progressions in major and minor keys. *Prerequisite:* Placement Test

**MDT 136 KEYBOARD METHODS II (1)**

This course is a continuation and further development of the keyboard skills gained in Keyboard Methods I, emphasizing music reading, harmonization of melodies, transposition, creating simple piano accompaniments, and playing basic chord progressions in major and minor keys.

*Prerequisite:* MDT 135 Keyboard Methods I

**MDT 137 VOCAL LITERATURE (3)**

This is a course dedicated to the study and performance of standard vocal literature. Emphasis is on style, diction, text interpretation, and program building. Languages studied include English, Italian, German, and French.

**MDT 138 PERCUSSION LITERATURE (1)**

This course is a survey of the music written for individual percussion instruments, percussion ensembles, and percussion in the orchestral literature.

**MDT 139 STRING LITERATURE (1)**

This course is a survey of the music written for bowed string instruments, string ensembles, and strings in the orchestral literature.

**MDT 140 WOODWIND LITERATURE (1)**

This course is a survey of the music writ-

ten for solo woodwinds and woodwind ensembles from the early Baroque period to the present day. These works are examined within the context of instrumental development and stylistic trends.

**MDT 141 BRASS LITERATURE (1)**

This course is a survey of the music written for brass performers as soloists, as members of brass ensembles, as well as in the orchestral literature.

**MDT 142 PIANO LITERATURE (1)**

This course is a survey of music written for piano.

**MDT 143 GUITAR LITERATURE (1)**

This course is a survey of music written for guitar and ensembles including the guitar.

**MDT 144 JAZZ KEYBOARD HARMONY (1)**

This is an introductory course to the jazz improvisation sequence of courses available to jazz majors (with the exception of jazz piano majors who should take MDT 336 Keyboard Jazz). The class provides students with the basic keyboard skills necessary to enable them to use the piano as a means for developing their improvisational abilities on their musical instrument.

*Prerequisites:* MDT 133 Harmony II, MDT 134 Ear-Training II, MDT 135 Keyboard Methods II

**MDT 146 VOCAL METHODS I (1)**

This is a class for music majors designed to provide students studying for the teaching profession the knowledge of the rudiments and mechanics of vocal production. Observation and practice of pedagogical methods in K-12 schools are integral to the vocal methods curriculum.

**MDT 148 PERCUSSION METHODS (1)**

The purpose of this course is to provide the music education major with the ability to teach beginners to play percussion instruments. The basic rudiments of drumming and methodology of the percussion family are included in this course.

**MDT 149 STRING METHODS (1)**

This course is a survey of string instruction for beginners, including bowing, left-handed technique and study materials, with emphasis on violin.

**MDT 150 THE ART OF ACCOMPANYING (1)**

Pianists, vocalists and instrumentalists are offered the opportunity to develop and enhance keyboard ensemble skills through class performances and discussions. This course is required for all piano majors (in lieu of Keyboard Methods); it is an elective for all other music majors.

*Prerequisite:* One year of applied instruction or evidence (through audition) of pianistic skills

**MDT 153 CONCERT CHORALE (0.5)**

This choir focuses on the preparation and performances of distinctive choral literature, with particular attention given to works in foreign languages and large works for chorus and orchestra. Continued development of techniques for ensemble singing and vocal production are stressed.

*Prerequisite:* By audition only. Corequisite: MDT 1222 Applied Music I–VIII

**MDT 154 CONCERT CHORALE (1)**

This choir focuses on the preparation and performances of distinctive choral literature, with particular attention given to works in foreign languages and large works for chorus and orchestra. Continued development of techniques for ensemble singing and vocal production are stressed.

*Prerequisite:* By audition only

**MDT 159 NJCU ORCHESTRA (0.5)**

The orchestra is comprised primarily of NJCU students (graduate and undergraduate) with professionals added where needed. The orchestra performs full-length formal concerts and also serves as the orchestra for the opera productions. Professional performers and MDT faculty are regularly featured as soloists.

*Prerequisite:* By audition only

**MDT 160 NJCU ORCHESTRA (1)**

The orchestra is comprised primarily of NJCU students (graduate and undergraduate) with professionals added where needed. The orchestra performs full-length formal concerts and also serves as the orchestra for the opera productions. Professional performers and MDT faculty are regularly featured as soloists.

*Prerequisite:* By audition only

**MDT 161 SYMPHONY OF WINDS AND PERCUSSION (0.5)**

This is a full sized concert band serving as a large ensemble requirement comprised of selected music majors and professional musicians. This ensemble performs on and off the university campus during the academic year.

*Prerequisite:* By audition only

**MDT 162 SYMPHONY OF WINDS AND PERCUSSION (1)**

This is a full sized concert band serving as a large ensemble requirement comprised of selected music majors and professional musicians. This ensemble performs on and off the university campus during the academic year.

*Prerequisite:* By audition only

**MDT 171 CHAMBER SINGERS (0.5)**

This course includes a small vocal ensemble devoted to the preparation and performance of advanced choral music. The course is centered on intensive training in ensemble and choral singing. The Chamber Singers perform both on and off campus.

*Prerequisite:* By audition only

**MDT 172 CHAMBER SINGERS (1)**

This course includes a small vocal ensemble devoted to the preparation and performance of advanced choral music. The course is centered on intensive training in ensemble and choral singing. The Chamber Singers perform both on and off campus.

*Prerequisite:* By audition only

**MDT 173 OPERA WORKSHOP (0.5)**

This course includes an introduction to opera through the preparation and performance of a role in a fully staged opera production. Participation may range from being a member of the chorus to performing a leading role.

*Prerequisite:* By audition only

**MDT 174 OPERA WORKSHOP (1)**

This course includes an introduction to opera through the preparation and performance of a role in a fully staged opera production. Participation may range from being a member of the chorus to performing a leading role.

*Prerequisite:* By audition only

**MDT 175 JAZZ VOCAL ENSEMBLE (0.5)**

This is a small jazz vocal group that provides students with the opportunity of singing vocal ensemble material based on published arrangements as well as those written specifically for the ensemble. Students must read music.

*Prerequisite:* By audition only

**MDT 176 JAZZ VOCAL ENSEMBLE (1)**

This is a small jazz vocal group that provides students with the opportunity of singing vocal ensemble material based on published arrangements as well as those written specifically for the ensemble. Students must read music.

*Prerequisite:* By audition only. Corequisite: MDT 422 Applied Music VII or MDT 424 Applied Music VIII

**MDT 177 MUSICAL THEATER WORKSHOP (0.5)**

This course is an introduction to musical theatre through the preparation and performance of a role in a fully staged musical theatre production. Participation may range from being a member of the chorus to performing a leading role.

*Prerequisite:* By audition only

**MDT 178 MUSICAL THEATER WORKSHOP (1)**

This course is an introduction to musical theatre through the preparation and performance of a role in a fully staged musical theatre production. Participation may range from being a member of the chorus to performing a leading role.

*Prerequisite:* By audition only

**MDT 179 CHAMBER ORCHESTRA (0.5)**

This is a small ensemble of 10-20 players consisting of strings and selected winds. The group meets twice a week and performs five to six concerts each school year.

**MDT 180 CHAMBER ORCHESTRA (1)**

This is a small ensemble of 10-20 players consisting of strings and selected winds. The group meets twice a week and performs five to six concerts each school year.

**MDT 181 THEATRE ORCHESTRA (0.5)**

This is an ensemble that affords the student the opportunity to perform in a pit orchestra setting for musical theater productions.

*Prerequisite:* By audition only

**MDT 182 THEATRE ORCHESTRA (1)**

This is an ensemble that affords the student the opportunity to perform in a pit orchestra setting for musical theater productions.

*Prerequisite:* By audition only

**MDT 183 CHAMBER ENSEMBLES (0.5)**

These ensembles are composed of various combinations of instrumentalists, from two to six players in each group, which rehearse every week and perform at least twice per semester.

**MDT 184 CHAMBER ENSEMBLES (1)**

These ensembles are composed of various combinations of instrumentalists, from two to six players in each group, which rehearse every week and perform at least twice per semester.

**MDT 185 EARLY MUSIC ENSEMBLES (0.5)**

Early instruments, such as recorders and harpsichord, are utilized for study and performance.

**MDT 186 EARLY MUSIC ENSEMBLES (1)**

Early instruments, such as recorders and harpsichord, are utilized for study and performance.

**MDT 189 PERCUSSION ENSEMBLES (0.5)**

This course involves the study and performance of literature written specifically for percussion instruments. Non-music majors may qualify for this course.

*Prerequisite:* By audition only

**MDT 190 PERCUSSION ENSEMBLES (1)**

This course involves the study and performance of literature written specifically for

percussion instruments. Non-music majors may qualify for this course.

*Prerequisite:* By audition only

**MDT 193 PIANO ENSEMBLES (0.5)**

This course is designed to develop techniques of ensemble playing in original works for four-hands, one piano; four-hands, two pianos; eight-hands, two pianos; and a limited number of transcriptions of orchestral works for two pianos.

**MDT 194 PIANO ENSEMBLES (1)**

This course is designed to develop techniques of ensemble playing in original works for four-hands, one piano; four-hands, two pianos; eight-hands, two pianos; and a limited number of transcriptions of orchestral works for two pianos.

**MDT 195 GUITAR ENSEMBLE (0.5)**

This course is designed to provide guitar majors with chamber music experience by playing works written or arranged for guitar ensemble. It is required of all guitar majors.

*Corequisite:* Applied Music instruction

**MDT 196 GUITAR ENSEMBLE (1)**

This course is designed to provide guitar majors with chamber music experience by playing works written or arranged for guitar ensemble. It is required of all guitar majors.

*Corequisite:* Applied Music instruction

**MDT 197 JAZZ ENSEMBLE (0.5)**

This ensemble performs a wide spectrum of big band jazz from the Swing era through contemporary trends. The ensemble performs on and off campus and is featured with a major jazz artist each semester.

*Prerequisite:* By audition only

**MDT 198 JAZZ ENSEMBLE (1)**

This ensemble performs a wide spectrum of big band jazz from the Swing era through contemporary trends. The ensemble performs on and off campus and is featured with a major jazz artist each semester.

*Prerequisite:* By audition only. *Corequisite:* MDT 422 Applied Music VII or MDT 424 Applied Music VIII

**MDT 199 JAZZ COMBOS (0.5)**

This course is designed to feature small ensemble playing with great emphasis given to developing the individual's improvisational skills. Student compositions and arrangements are encouraged.

*Prerequisite:* By audition only

**MDT 200 JAZZ COMBOS (1)**

This course is designed to feature small ensemble playing with great emphasis given to developing the individual's improvisational skills. Student compositions and arrangements are encouraged.

*Prerequisite:* By audition only

**MDT 218 MOVEMENT FOR ACTORS (3)**

This course is the first semester of body placement disciplines taught with specific application to the actor's craft. Problems of style and period movement, as well as pre-performance preparation, are included.

**MDT 220 DICTION FOR SINGERS (3)**

A required course for all music performance majors studying applied voice. This course is designed to teach the basics of Italian, German, and French diction, specifically as they apply to the singer's art. The International Phonetic Alphabet will be applied to Italian, German and French.

**MDT 222 APPLIED MUSIC III (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument.

The appropriate seminar must be taken in conjunction with each semester of Applied Music. Each student performs in seminar each year and appears before a faculty jury at the end of each semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 223 APPLIED MUSIC IV (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument.

The appropriate seminar must be taken in conjunction with each semester of Applied Music. Each student performs in seminar each year and appears before a faculty jury at the end of each semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 231 HARMONY III (2)**

This course is a study of the harmonic vocabulary of the "common practice" period with emphasis on chromatic chords.

*Prerequisite:* MDT 133 Harmony II

**MDT 232 EAR-TRAINING III (2)**

This course is a continuation of skills developed in MDT 124 Ear-training II with the introduction to alto and tenor clefs. Harmonic dictation includes seventh chords, chromatic harmony, and modulatory material with more complex melodic and rhythmic patterns.

*Prerequisite:* MDT 134 Ear-Training II

**MDT 233 HARMONY IV (2)**

This course is a continuation of Harmony III.

*Prerequisite:* MDT 231 Harmony III

**MDT 234 EAR-TRAINING IV (2)**

This course is a continuation of MDT 232 Ear-Training III with the addition of more advanced and difficult chromatic melodies, as well as modal and atonal examples.

*Prerequisite:* MDT 232 Ear-training III

**MDT 235 KEYBOARD METHODS III (1)**

This course is a continuation of MDT 136 Keyboard Methods II and includes a study of secondary chords used harmonically and melodically, complex rhythmic patterns, arpeggios, major and minor scales, improvisation and graded sight-reading materials. Selected compositions from the easier works of representative composers are included.

*Prerequisite:* MDT 136 Keyboard Methods II

**MDT 236 KEYBOARD METHODS IV (1)**

This course is a continuation of MDT 136 Keyboards Methods II and includes a study of secondary chords used harmonically and melodically, complex rhythmic patterns, arpeggios, major and minor scales, improvisation and graded sight-reading materials. Selected compositions from the easier works of representative composers are included.

*Prerequisite:* MDT 235 Keyboard Methods III

**MDT 243 JAZZ IMPROVISATION I (2)**

The craft of improvisation is explored in this course. Class time is devoted to developing each student's ability in this discipline through extensive work in ear training, jazz keyboard skills and written and playing exercises on one's major instrument.

*Prerequisite:* MDT 144 Jazz Keyboard Harmony

**MDT 244 JAZZ IMPROVISATION II (2)**

This course is a continuation of MDT 243 Jazz Improvisation I. Class time is devoted to further exploration of the improvisational tools: harmonic language, scales, modes, chord progressions and melodic development. Students practice the applications of these musical elements through extensive classroom performance.

*Prerequisite:* MDT 243 Jazz Improvisation I

**MDT 248 WOODWIND METHODS (1)**

This course develops the knowledge and skills necessary to instruct beginning woodwind players. Fingering, articulation, embouchure techniques, and a survey of instrument brands, mouthpieces, and teaching materials are examined.

**MDT 249 BRASS METHODS (1)**

This course develops the knowledge and skills necessary to teach beginners how to play brass instruments. The course includes fingering, articulation, embouchure techniques, and a survey of instrument brands, mouthpieces, and teaching materials.

**MDT 255 MUSIC IN AN URBAN SETTING (3)**

This course is a study of the ways in which the urban environment affects music and

musical life and the ways in which music reflects the urban environment.

**MDT 256 CURRENT JAZZ AND ROCK MUSIC (3)**

This course explores current musical trends in jazz and rock music. It includes a study of the components of rock and jazz, the effects of rock and jazz on other contemporary music styles, and the use of rock and jazz in school music curricula.

This course is a study of the contemporary popular music scene with special emphasis on popular song.

**MDT 259 MUSICAL COMPOSITION (2)**

This course is designed to develop and stimulate the writing of original musical compositions within the disciplines of various styles, techniques and aesthetic philosophies.

*Prerequisites:* MDT 233 Harmony IV, MDT 234 Ear-Training IV

**MDT 261 PIANO CLASS I (3)**

This is a beginning course in piano for non-music majors who are interested in learning the basics of piano playing.

**MDT 262 PIANO CLASS II (3)**

This is a course in piano instruction for non-music majors who are interested in continuing their development of keyboard facility beyond the introductory level.

*Prerequisite:* MDT 261 Piano Class I

**MDT 265 GUITAR CLASS (3)**

This is a beginning course in guitar for non-music majors who are interested in learning the basics of guitar performance.

**MDT 267 JAZZ WORKSHOP (3)**

This course is designed to provide the non-jazz music major with an understanding of the fundamental concepts of jazz phrasing and jazz improvisation.

**MDT 268 COMPUTER MUSIC I (3)**

This course is a study of MIDI-Musical Instrument Digital Interface-as a performance and compositional tool using various computer applications.

*Prerequisite:* A reading knowledge of music; for non-majors, permission of instructor

**MDT 269 COMPUTER MUSIC II (3)**

This course is the continued study of MIDI-Musical Instrument Digital Interface-as a performance and compositional tool using various computer programs.

*Prerequisite:* MDT 268 Computer Music I

**MDT 270 PIANO PEDAGOGY (1)**

This course is a survey and evaluation of various methods and principles of piano instruction at beginning and intermediate levels. Pedagogical readings and discussions and supervised teaching of both individual

and group lessons are included.

*Prerequisite:* At least sophomore piano major status

**MDT 271 INTRODUCTION TO THEATRE (3)**

This course focuses on the relationship of text to performance. Readings, films, and attendance at performances are required in preparation for discussion and collaborative projects for classroom presentation which place theatre in the context of living experience.

**MDT 272 BLACK THEATRE (3)**

This course is a survey of contemporary Black theatre. Exemplary plays are read, and historical contexts investigated, with critical writing and classroom presentation required.

**MDT 273 HISTORY OF THE THEATRE I (3)**

This course is a study of the literature of the theatre and the methods of presentation from the Greeks to Shakespeare.

**MDT 274 HISTORY OF THE THEATRE II (3)**

This course is a study of the literature of the theatre and the methods of presentation from the Restoration Period to the present.

**MDT 275 THE MUSICAL: THEATRE & FILM (3)**

This course is a survey of the American musical theatre on stage and in motion pictures. The course includes attendance at performances.

**MDT 276 DANCE HISTORY (3)**

This is a study of the history of dance forms and literature, presented through readings, lectures, visual presentation, and attendance at dance events.

**MDT 278 NEW YORK DANCE (3)**

This course includes attendance at classical, ethnic, experimental, and "theatre" dance concerts in preparation for viewing, understanding, and evaluating dance styles during class meetings in the context of concert reviews and dance history.

**MDT 279 SPEECH FOR PERFORMANCE I (3)**

This course involves the basic elements of vocal production: relaxation and breathing, leading to support, resonance, articulation, and pronunciation. A series of physical exercises of increasing complexity and difficulty, reinforced by peer evaluations, allows students to locate and free the voice that is natural to them.

**MDT 280 COSTUME AND MAKE-UP (3)**

In this course, costuming as a function of movement and character is explored in an introduction to draping, cutting, sewing, shop organization, and dealing with actors. The make-up portion deals with analyzing the planes and lines of the face so that they

may be reinforced or changed.

**MDT 281 THEATRE LAB I (3)**

This course involves a series of workshops in theatre-related disciplines requiring intensive collaboration between students. A second semester (MDT 282) may be taken for four credits.

*Prerequisite:* MDT 370 Acting III

**MDT 282 THEATRE LAB II (4)**

This course involves a series of workshops in theatre-related disciplines requiring intensive collaboration between students.

*Prerequisite:* MDT 281 Theatre Lab I

**MDT 283 REHEARSAL AND PERFORMANCE I (3)**

This course involves theatre practicum leading to a public presentation. A second semester (MDT 284) may be taken.

*Prerequisite:* MDT 370 Acting III

**MDT 284 REHEARSAL AND PERFORMANCE II (3)**

This course involves theatre practicum leading to a public presentation.

*Prerequisite:* MDT 283 Rehearsal and Performance I

**MDT 288 BALLET (3)**

This course is a continuation of MDT 114 Dance Tech—Ballet.

*Prerequisite:* MDT 114 Dance Tech—Ballet.

**MDT 289 JAZZ DANCE II (3)**

This course builds on the techniques developed in MDT 116 Dance Tech—Jazz.

*Prerequisite:* MDT 116 Dance Tech—Jazz.

**MDT 291 TAP DANCE (3)**

Tap dance is basic to performance in musical theatre and other popular dance forms. This course provides the fundamental vocabulary needed to perform rhythmic patterns with speed and clarity. Readings and attendance at performance events are required.

**MDT 295 BLACK DANCE I (3)**

This course is an introduction to Black dance and to dance movement concepts indigenous to various African cultures, emphasizing the student's physical and psychological self-development. Skills are developed further in MDT 296 Black Dance II along with study of staging costume and make-up.

**MDT 296 BLACK DANCE II (3)**

This course builds on the techniques and material introduced in MDT 295 Black Dance I. s of dance-related disciplines taught in three and four-week modules. Specific areas may include anatomy, stretch techniques and massage, effort-shape, improvisation, dance notation, mime, video or dancers and tap. A second semester (MDT 298) may be

taken for four credits.

**MDT 298 DANCE LAB II (4)**

This course involves a series of dance-related disciplines taught in three and four-week modules. Specific areas may include anatomy, stretch techniques and massage, effort-shape, improvisation, dance notation, mime, video or dancers and tap.

*Prerequisite:* MDT 297 Dance Lab I

**MDT 299 DANCE PERFORMANCE WORKSHOP I (3)**

This course is designed for students interested in dance production and focuses on the preparation of a dance concert, including elements of performance, design and management. A second semester (MDT 300) may be taken for four credits.

**MDT 300 DANCE PERFORMANCE WORKSHOP II (4)**

This course is designed for students interested in dance production and focuses on the preparation of a dance concert, including elements of performance, design and management.

*Prerequisite:* MDT 299 Dance Performance Workshop I

**MDT 301 CHOREOGRAPHY WORKSHOP I (3)**

This course encourages individual experimentation in the creation of dances directed towards cooperative projects in choreography for performances.

**MDT 302 CHOREOGRAPHY WORKSHOP II (3)**

This course encourages individual experimentation in the creation of dances directed towards cooperative projects in choreography for performances.

*Prerequisite:* MDT 301 Choreography Workshop I

**MDT 303 DIRECTING I (3)**

This course encourages interpretation of plays and non-dramatic texts relating directly to theatre practice, with emphasis on the interrelationship of elements and the director's role as adapter.

*Prerequisite:* MDT 313 Acting II

**MDT 309 SPEECH FOR PERFORMANCE II (3)**

This course is a continuation of MDT 279 Speech for Performance I and provides the opportunity to apply the voice to dramatic materials of various styles and periods.

*Prerequisite:* MDT 279 Speech for Performance

**MDT 313 ACTING II (3)**

This course involves the application of skills developed in MDT 113 Acting I to scene study. A variety of dramatic texts are pre-

pared, presented to the class, and critiqued. Emphasis is placed upon direct dramatic confrontation, analysis of text, and elementary character development.

*Prerequisite:* MDT 113 Acting I

**MDT 315 MODERN DANCE II (3)**

The development of a strong muscular and kinesthetic response is emphasized in this course.

*Prerequisite:* MDT 115 Dance Tech-Modern

**MDT 316 BLACK DANCE WORKSHOP (3)**

In this course students prepare authentic African dances for public performance. Specific problems of design and management are discussed.

**MDT 317 STAGE DESIGN (3)**

This course is an exploration of stage design as a three-dimensional art form with emphasis on innovative staging techniques. Studio sessions include work with floor plans, elevations, working drawings and lighting plots, as well as crew-work on university productions.

*Prerequisite:* MDT 117 Design for Performance

**MDT 318 STAGE LIGHTING (3)**

This course is an introduction to equipment use and safety, board operation, and the principles of illumination. It involves study of color theory and the creation of mood and texture, as well as script analysis for lighting. Students learn to use equipment and prepare several light plots.

*Prerequisites:* MDT 117 Design for Performance, and MDT 118 Stagecraft

**MDT 319 PRODUCTION OF MUSICAL THEATRE II (3)**

This is a continuation of Production of Musical Theatre I.

*Prerequisite:* MDT 119 Production of Musical Theatre I

**MDT 322 APPLIED MUSIC V (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument.

The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the end of each semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 323 APPLIED MUSIC V (3)**

For Performance Majors only. Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear

before a faculty jury at the end of each semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 324 APPLIED MUSIC VI (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the end of each semester. Students in B.M. programs must complete the Junior Recital during the same semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 325 APPLIED MUSIC VI (3)**

For Performance Majors only. Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in Seminar each year and appear before a faculty jury at the end of each semester. Students in B.M. programs must complete the Junior Recital during the same semester.

*Corequisites:* MDT 121 Music Major Seminar, and Large Ensemble

**MDT 327 JAZZ IMPROVISATION III (2)**

Students continue working on ear-training and jazz piano skills while applying more advanced techniques towards developing their soloing capabilities.

*Prerequisite:* MDT 244 Jazz Improvisation II

**MDT 329 MUSIC HISTORY BEFORE 1750 (3)**

This course is a study of the historical development of music beginning with Greek civilization and extending to the Classical Era.

*Prerequisites:* MDT 101 Survey of Music, and MDT 133 Harmony II

**MDT 330 MUSIC HISTORY AFTER 1750 (3)**

This course is a study of the historical development and literature of music from the Classical Era to the present.

*Prerequisites:* MDT 101 Survey of Music, and MDT 329 Music History Before 1750

**MDT 331 LATE 19TH-CENTURY HARMONY (2)**

This course is a continuation of Harmony IV dealing with expanded tonality, ultrachromaticism, impressionism and atonality.

*Prerequisite:* MDT 233 Harmony IV

**MDT 332 ADVANCED EAR-TRAINING (2)**

This course is a continuation of Ear-Training IV.

*Prerequisite:* MDT 234 Ear-training IV

**MDT 333 20TH-CENTURY HARMONY (2)**

This course is a study of the harmonic practices of modern composers with emphasis on the works of Stravinsky, Hindemith, and Schoenberg.

*Prerequisite:* MDT 233 Harmony IV

**MDT 335 KEYBOARD HARMONY (2)**

The aim of this course is to develop fundamental keyboard skills. Included are the study of harmonic progressions, sequences, melody harmonizations, score readings, transpositions, modulations, continuo realizations, and an introduction to improvisation.

*Prerequisite:* MDT 236 Keyboard Methods IV (1)

**MDT 336 KEYBOARD JAZZ (3)**

This course involves the study of jazz piano and its evolution from ragtime through fusion styles. It presents an in-depth view of the piano styles of the major innovators and their influences on the course of jazz history.

*Prerequisite:* Jazz Keyboard Music Majors Only

**MDT 337 FORM AND ANALYSIS (2)**

This course addresses the structural and harmonic analysis of music literature as exemplified by music taken from all periods of music history.

*Prerequisite:* MDT 233 Harmony IV

**MDT 338 INSTRUMENTAL AND VOCAL ARRANGING (2)**

This course is designed to explore classical arranging techniques for orchestra, concert band, chorus, and chamber ensembles.

*Prerequisite:* MDT 233 Harmony IV

**MDT 339 JAZZ-COMMERCIAL ARRANGING (2)**

This course is designed to present techniques of scoring for jazz bands, as well as various arranging techniques and styles used in modern commercial music (i.e., films, jingles, television, and recordings).

*Prerequisite:* MDT 338 Instrumental and Vocal Arranging

**MDT 342 18TH-CENTURY COUNTERPOINT (2)**

A study of the techniques of 18th-Century counterpoint as exemplified by the inventions and sinfonias of J.S. Bach.

*Prerequisite:* 233 Harmony IV

**MDT 345 INSTRUMENTAL CONDUCTING (1)**

Students work to develop the basic techniques of conducting as they apply to working with instrumental ensembles. Additional emphasis is placed on issues of score-reading, listening skills, and interpreta-

tion. Offered each fall semester.

*Prerequisites:* MDT 337 Form and Analysis, MDT 338 Instrumental and Vocal Arranging, and MDT 346 Choral Conducting  
**MDT 346 CHORAL CONDUCTING (1)**

The elements of conducting which are unique to the choral art are developed, using musical examples from the standard choral repertoire. Offered each spring semester.

*Prerequisites:* MDT 329 Music History Before 1750, MDT 337 Form and Analysis, and a minimum of two semesters in Large Vocal Ensemble

**MDT 348 GUITAR METHODS (1)**

The purpose of this course is to provide music majors who are not guitarists with the necessary tools to teach guitar in a class setting. Guitar majors may also take the class to learn pedagogical approaches and to hone their teaching skills.

**MDT 349 LOW STRING METHODS (1)**

This course is a study of the knowledge and skills necessary to teach beginners how to play the cello and double bass.

**MDT 351 MUSIC METHODS AND MATERIALS IN THE ELEMENTARY SCHOOL (3)**

This course is designed to prepare students to teach music in the elementary schools. It includes an overview of various approaches in current use that are used in developing lesson plans for Field Experience II, for which each student is assigned a cooperating teacher and a college supervisor from the music faculty.

*Prerequisites:* MDT 233 Harmony IV, MDT 234 Ear-training IV, MDT 236 Keyboard Methods IV, EDU 250 The Education Challenge; and, 2.5 GPA

*Corequisites:* EDU 330 Focus: Development, Behavior and Learning, EDU 331 Education Field Experience II, and LTED 330 Focus: Reading Language and Literacy  
**MDT 353 SURVEY OF THE MUSIC BUSINESS (3)**

This is an introductory course that presents an overview of the music and entertainment industries. Historical development, contemporary practices and trends for the future are discussed. Topics include the record industry, music and the media, retail music, musical theatre, the orchestral world and publishing.

**MDT 370 ACTING III: STYLE AND TECHNIQUES (3)**

This course examines modern and contemporary dramas using intensive scene work, with an emphasis on character development.

*Prerequisite:* MDT 313 Acting II, or permission of instructor

**MDT 371 ACTING IV: STYLE AND TECHNIQUES (3)**

This course involves the study of classical drama using intensive scene work, with an emphasis on developing a general approach to style and period drama and an understanding of the relationship of acting to the cultural and social sources of behavior.

*Prerequisite:* MDT 313 Acting II

**MDT 372 ACTING V: COMEDY (3)**

This course is an intensive study of comic techniques and styles, involving an examination, through improvisation and scene study, of characteristic classical and modern comic forms. Students learn the application of Commedia dell'Arte.

*Prerequisite:* MDT 313 Acting II

**MDT 373 ACTING VI: TRAGEDY (3)**

In this course, using ensemble improvisation and scene study, traditional and innovative concepts of tragedy (from Grand Opera to the work of Andrei Serban) are explored in the context of contemporary life and art.

*Prerequisite:* MDT 313 Acting II

**MDT 376 DIRECTING II (3)**

This course involves special projects for directors, including supervised preparation of a complete one-act play to be performed before the university community or toured (particularly for recruitment programs).

*Prerequisite:* MDT 313 Acting II

**MDT 384 ARTS MANAGEMENT I (3)**

This course deals with developing an understanding of artist management, publicity promotion, talent agents, recording contracts, songwriting and publishing agreements, and strategies for career development.

*Prerequisite:* Survey of the Music Business  
MDT 353

**MDT 385 ARTS MANAGEMENT II (3)**

Students work to develop an understanding of the non-profit performing arts administration environment, including non-profit arts organizations, concert management and live performance production.

*Prerequisite:* MDT 384 Arts Management I

**MDT 394 PLAYWRITING (2)**

This is a course in the study of the art and craft of writing for the theatre. It provides an opportunity for practical experience through writing and staging of short plays.

**MDT 422 APPLIED MUSIC VII (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the



end of each semester. Students in the B.A. in Music Education program must complete the Senior Recital during the same semester.

**Corequisites:** MDT 121 Music Major Seminar and Large Ensemble

**MDT 423 APPLIED MUSIC VII (3)**

For Performance Majors only. Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the end of each semester. Students in the B.A. in Music Education program must complete the Senior Recital during the same semester.

**Corequisites:** MDT 121 Music Major Seminar and Large Ensemble

**MDT 424 APPLIED MUSIC VIII (1.5)**

Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the end of each semester. Students in all programs except the B.A. in Music Education program must complete the Senior Recital during the same semester.

**Corequisites:** MDT 121 Music Major Seminar and Large Ensemble

**MDT 425. APPLIED MUSIC VIII (3)**

For Performance Majors only. Music majors are required to take lessons, either in voice or a musical instrument. The appropriate seminar must be taken in conjunction with each semester of Applied Music. Students perform in seminar each year and appear before a faculty jury at the end of each semester. Students in all programs except the B.A. in Music Education program must complete the Senior Recital during the same semester.

**Corequisites:** MDT 121 Music Major Seminar and Large Ensemble

**MDT 451 MUSIC METHODS AND MATERIALS IN SECONDARY EDUCATION (4)**

Designed as a study of the principles and practices in teaching instrumental and vocal music in the junior and senior high schools, this course includes methods of teaching general music classes, the elective and selective vocal and instrumental performing groups, and classes in the area of music literature and theory.

**Prerequisites:** MDT 351 Music Methods and Materials in the Elementary School, and 2.75 grade point average.

**MDT 452 STUDENT INTERNSHIP (8)**

Student Internship is a requirement for state certification in music education. In the context of the reflective urban/suburban practitioner framework, clinical and field-based experiences are designed to allow music education candidates to develop the capability to analyze and interpret situations in classroom settings, to develop the capability to hypothesize reasons for these situations, and to set a course of action.

Interns are required to maintain a log during the semester in which each day's teaching experiences are recorded and analyzed. Interns spend one-half of the semester interning in an elementary general music program and one-half of the semester at the secondary level interning with a vocal and/or an instrumental teacher. The student may express a preference in regard to geographic location of the internship assignment.

Undergraduate students wishing to enroll in 500 level courses must have completed MDT 329, 330 and 337 for Classical Track courses or MDT 327 and 339 for Jazz Track courses.

**MDT 501 BAROQUE MUSIC (3)**

*Please see the Graduate Catalog for course description.*

**MDT 502 CLASSICAL MUSIC (3)**

*Please see the Graduate Catalog for course description.*

**MDT 503 ROMANTIC MUSIC (3)**

*Please see the Graduate Catalog for course description.*

**MDT 504 THE OPERA (3)**

*Please see the Graduate Catalog for course description.*

**MDT 505 MODERN MUSIC (3)**

*Please see the Graduate Catalog for course description.*

**MDT 506 MUSIC IN AMERICA (3)**

*Please see the Graduate Catalog for course description.*

**MDT 507 COMPUTER MUSIC (3)**

Please see the Graduate Catalog for course description.

**MDT 509 ADVANCED JAZZ IMPROVISATION (3)**

*Please see the Graduate Catalog for course description.*

**MDT511 VOCAL PEDAGOGY (3)**

*Please see the Graduate Catalog for course description.*

**MDT 524 JAZZ PEDAGOGY (3)**

*Please see the Graduate Catalog for course description.*

**MDT 525 SYMPOSIUM: APPLICATION OF THEORY IN PERFORMANCE (3)**

*Please see the Graduate Catalog for course description.*

**MDT 526 JAZZ ARRANGING (3)**

*Please see the Graduate Catalog for course description.*

**MDT 530 MUSIC IN THE ELEMENTARY SCHOOL (3)**

*Please see the Graduate Catalog for course description.*

**MDT 1184 CHAMBER ENSEMBLES (1.5)**

These ensembles are composed of various combinations of instrumentalists, from 2–6 players in each group, which rehearse every week and perform at least twice per semester.

## PHILOSOPHY AND RELIGION

Karnoutsos Hall, Rm. 606  
201-200-3204  
<http://web.njcu.edu/dept/philosophy>

**Dr. Hyun Höchsmann, Chairperson**  
[hhochsmann@njcu.edu](mailto:hhochsmann@njcu.edu)

**Professor: Sasso**  
**Associate Professor: Höchsmann**  
**Assistant Professor: Roehr**

Philosophy has traditionally been recognized as an integral part of liberal education. Programs and courses in philosophy examine the fundamental problems and questions that arise from reflection upon life and its varied experiences, as well as theories about the solutions to these problems and questions. Philosophy aims ultimately at the improvement of life through the systematic examination and clarification of ideas, values, and meanings.

Courses in religion systematically and objectively examine various forms of human activity and belief, which are commonly regarded as comprising the core of human religious experience. These include such issues as belief and unbelief, the existence and non-existence of God, morality and immorality, worship and idolatry, mortality and immortality, history and mythology, good and evil, and salvation.

The Philosophy and Religion Department is a member of the American Philosophical Association and the Aristotelian Society.

Course requirements are outlined below. General Studies Program requirements for graduation are listed on [page 26](#)—"Undergraduate Requirements."

Bachelor of Arts in Philosophy, p. 182  
Minor in Philosophy and Religion, p. 183

### *Bachelor of Arts in Philosophy* (MINIMUM 36 CREDITS)

The Department of Philosophy and Religion offers a degree in philosophy. This degree prepares students for careers in law, business, teaching, communications, writing, religious studies, and public affairs. Continued study may lead to a master's or doctoral degree in Philosophy or in related disciplines including science, education, public administration, law, and international relations.

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
PHIL 101 <sup>1</sup>	Philosophy: Persons and Problems	3
PHIL 102 <sup>1</sup>	Critical Thinking	3
PHIL 103 <sup>1</sup>	Ethics: Contemporary Moral Issues	3
PHIL 105	Issues in Religion	3
<i>or</i>		
PHIL 106 <sup>1</sup>	Comparative Religion	3
<i>Restricted electives: Select a minimum of 24 credits from the courses below, at least 15 of which must be selected from courses numbered 200 or higher.</i>		
PHIL 105	Issues in Religion	3
PHIL 106 <sup>1</sup>	Comparative Religion	3
PHIL 110 <sup>1</sup>	Mythology	3
PHIL 115	Business Ethics	3
PHIL 125	Life, Medicine, and Morality (Medical Ethics)	3
PHIL 202	Philosophy Today	3
PHIL 203	Philosophy of Religion	3
PHIL 204	Introduction to Logic	3
PHIL 205	Metaphysics: Appearance and Reality	3
PHIL 206	Epistemology: The Theory of Knowledge	3
PHIL 207	Ethics: Friendship, Happiness and the Good Life	3
PHIL 208	Great Philosophers: Voices of Wisdom	3
PHIL 210	Meaning and Mind	3
PHIL 216	Aesthetics: Creativity and Imagination	3
PHIL 217	Eastern Philosophy and Religion	3
PHIL 222	Religion and Personality Development	3
PHIL 224	Computer Logic	3
PHIL 235	Perspectives on Death	3
PHIL 280	Philosophy of Law	3
PHIL 290	Myth, Magic, and Mysticism	3
PHIL 303	Existentialism and Phenomenology	3
PHIL 308	Political and Social Philosophy	3
PHIL 311	Symbolic Logic	3
PHIL 312	Philosophy of Language	3
PHIL 317	Philosophy and Literature	3
PHIL 320	Philosophy of Psychology	3
PHIL 324	Western Religions	3
PHIL 325	Advanced Yoga	3
PHIL 333	Philosophic Structures	3
PHIL 401	Philosophy of Science	3
PHIL 405	Advanced Seminar in Philosophy	3
PHIL 408	Independent Study in Philosophy	3
PHIL 410	Integrative Seminar	3
PHIL 424	Independent Study in Religion	3
PHIL 500	Selected Topics in Philosophy	3
PHIL 510	Ethics, Values, and Society	3
PHIL 520	Contemporary Search for Meaning	3

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

### ***Minor in Philosophy and Religion*** **(MINIMUM 18 CREDITS)**

The minor program in philosophy and religion is designed for students who wish to experience the educational enrichment offered by these disciplines. Philosophy alone, or a minor in combination with religion, may be studied in sufficient depth to enable students to grasp central issues, as well as to confront their own self-awareness in terms of these issues. The minor programs are largely unstructured to allow students to shape their courses of study to their own interests and needs.

Students minor in philosophy and religion by completing 18 semester hours in philosophy, of which 6 credits should be selected from 200- to 500-level courses.

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<i>Required</i>		
PHIL 101 <sup>1</sup>	Philosophy: Persons and Problems	3
PHIL 102 <sup>1</sup>	Critical Thinking	3
PHIL 103 <sup>1</sup>	Ethics: Contemporary Moral Issues	3
<i>or</i>		
PHIL 105	Issues in Religion	3
<i>or</i>		
PHIL 106 <sup>1</sup>	Comparative Religion	3
<i>Electives: Select a minimum of nine credits from the courses below, at least six of which must be selected from courses numbered 200 or higher.</i>		
FYE 103 <sup>1</sup>	Environmental Ethics	3
PHIL 110 <sup>1</sup>	Mythology	3
PHIL 115	Business Ethics	3
PHIL 125	Life, Medicine, and Morality (Medical Ethics)	3
PHIL 202	Philosophy Today	3
PHIL 203	Philosophy Religion	3
PHIL 204	Introduction to Logic	3
PHIL 205	Metaphysics: Appearance and Reality	3
PHIL 206	Epistemology: The Theory of Knowledge	3
PHIL 207	Ethics: Friendship, Happiness and the Good Life	3
PHIL 208	Great Philosophers: Voices of Wisdom	3
PHIL 210	Meaning and Mind	3
PHIL 216	Aesthetics: Creativity and Imagination	3
PHIL 217	Eastern Philosophy and Religion	3
PHIL 222	Religion and Personality Development	3
PHIL 224	Computer Logic	3
PHIL 235	Perspectives on Death	3
PHIL 280	Philosophy of Law	3
PHIL 290	Myth, Magic, and Mysticism	3
PHIL 303	Existentialism and Phenomenology	3
PHIL 308	Political and Social Philosophy	3
PHIL 311	Symbolic Logic	3
PHIL 312	Philosophy of Language	3
PHIL 317	Philosophy and Literature	3
PHIL 320	Philosophy of Psychology	3
PHIL 324	Western Religions	3
PHIL 325	Advanced Yoga	3
PHIL 333	Philosophic Structures	3
PHIL 401	Philosophy of Science	3
PHIL 405	Advanced Seminar in Philosophy	3
PHIL 408	Independent Study in Philosophy	3
PHIL 410	Integrative Seminar	3
PHIL 424	Independent Study in Religion	3
PHIL 500	Selected Topics in Philosophy	3
PHIL 510	Ethics, Values, and Society	3
PHIL 520	Contemporary Search for Meaning	3

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

### ***Course Descriptions***

#### **PHIL 101 PHILOSOPHY: PERSONS AND PROBLEMS (3)**

This course is an introduction to the main issues in philosophy, such as good and evil, mind and body, life and death, justice and freedom, creation and evolution. The focus is on philosophical concepts and methods. Topics include the nature of being and reality, the right and the good, knowledge and belief, personal identity, and beauty and truth.

#### **PHIL 102 CRITICAL THINKING: CRITICAL AND CREATIVE THINKING (3)**

Critical thinking is an art and science of asking questions, gathering facts, providing reasons, and formulating values and beliefs. It is applicable to all spheres of knowledge and activity: art, science, religion, politics, and economics. This course is designed to develop the ability to think clearly, solve problems, and distinguish valid and sound arguments from fallacious arguments.

#### **PHIL 103 ETHICS: CONTEMPORARY MORAL ISSUES (3)**

This course is an exploration of the ways to distinguish right from wrong, and good from bad. It addresses conceptions of justice, views of human nature, and standards of moral judgment. Classical and contemporary ethical theories are considered and applied to contemporary problems in politics, environmental policy, medicine, business, and personal relations.

#### **PHIL 105 ISSUES IN RELIGION (3)**

This course is a philosophical examination of the nature and the significance of religious thought and practice. Topics include the nature of faith, the role of reason, the ethical significance of religious belief, and the existence of God.

#### **PHIL 106 COMPARATIVE RELIGION (3)**

This course is a study of the religions of the world: Hinduism, Buddhism, Daoism, Confucianism, Judaism, Christianity, and Islam. The emphasis is on the origin of the universe, the concepts of divinity and the Supreme Being, the nature of ultimate reality, and visions of the good life.

#### **PHIL 110 MYTHOLOGY (3)**

All cultures have created myths as ways of interpreting the whole of nature and the inner world of human reality. There is an affinity between civilizations transcending space and time. The origins of myths are buried in the shifting sands of time, but our present understanding of the significance of the myths establishes continuity. The insights in myths

have found expression in art, literature, and philosophy. The central themes in mythology are: the origin of the cosmos, the conflict of good and evil, free will and destiny, and the quest for eternal life.

**PHIL 115 BUSINESS ETHICS (3)**

This course introduces students to various ethical theories and applies them to concerns about the way business is practiced. This course is concerned with the way economic negotiations between individual's functions and what sorts of ethical implications are at stake. Some of the topics covered are concerns over finance management, treatment of labor, and honesty in sales and marketing campaigns.

**PHIL 125 LIFE, MEDICINE, AND MORALITY (MEDICAL ETHICS; 3)**

A study of the moral implications of medical practice and of the particular ethical questions that arise from such issues as genetics, birth regulation, sterilization, abortion, euthanasia, addiction, patient-health professional relationships, organ transplants, and the person's rights to die. It explores the meaning of death and its relationship to life and medical choice, as well as the connection between philosophy, medicine, and psychotherapy.

**PHIL 202 PHILOSOPHY TODAY (3)**

Philosophy is the love of wisdom; a discipline that has always pursued such questions as what is the good life? What is beauty? What is knowledge? And what is existence? The same philosophical questions that inspired the Greeks 2,500 years ago are shared by philosophers in the 20th and 21st century, in modern terms. Philosophy Today explores these fundamental philosophical issues as they motivate thinkers in the 20th and 21st century.

**PHIL 203 PHILOSOPHY OF RELIGION (3)**

A systemic philosophical examination of some fundamental issues in religious thought, experience and history, such as the existence and nature of God, human nature, values and destiny, Ideas of immortality, problems of the relation of faith and reason, and problems of good and evil.

**PHIL 204 INTRODUCTION TO LOGIC (3)**

This course will introduce students to the basic concepts and history of formal and Informal logic, with the aim of honing analytic and critical reasoning skills. At the heart of clear thinking is the ability to see and recognize logical form. As John Locke wrote. "Logic is the anatomy of thought."

**PHIL 205 METAPHYSICS: APPEARANCE AND REALITY (3)**

This course probes the nature of ultimate reality. Topics include appearance versus reality, being and becoming, essence and existence, space and time. Is there knowledge beyond the reach of science? How can we know what really exists?

**PHIL 206 EPISTEMOLOGY: THE THEORY OF KNOWLEDGE (3)**

This course examines the nature and the scope of knowledge. What does it mean to know, and what is the nature of truth? What can be known, and can we be justified in our beliefs about what goes beyond the evidence of our senses? Is all knowledge innate or acquired in experience? What are the grounds and the limits of knowledge?

**PHIL 207 ETHICS: FRIENDSHIP, HAPPINESS, AND THE GOOD LIFE (3)**

This course is a study of moral concepts and principles. Topics include happiness, friendship, virtue, intention, and duty. Ethics asks: Is there a supreme good that all rational beings seek? Are there universal moral values? What is the difference between judgments of value and judgments of fact?

**PHIL 208 GREAT PHILOSOPHERS: VOICES OF WISDOM (3)**

The course is a systematic study of the ideas of the great philosophers: Plato, Aristotle, Confucius, Laozi, Zhuangzi, Locke, Hume, Kant, Hegel, and Marx. Philosophy is a continuous dialogue about ideas of enduring interest, such as truth, goodness, beauty, the nature of the mind, the basis of right action, conceptions of happiness, and the good life.

**PHIL 210 MEANING AND MIND (3)**

The nature of meaning will be investigated as it is approached and understood in psychology, religion, philosophy, and art. Special emphasis will be given to the implications that such studies shed on the nature of mind and the way in which people manipulate symbols through language.

**PHIL 216 AESTHETICS: CREATIVITY AND IMAGINATION (3)**

This course is concerned with theories of art and beauty, philosophical ideas within the various forms of art, and concepts in the interpretation of art: meaning, intention, style, purpose, and value. It addresses various ideas of art as representation of reality, imitation of appearances, significant form, and expression of feeling. Guest artists, visits to museums, and attendance at concerts are features of the course.

**PHIL 217 EASTERN PHILOSOPHY AND RELIGION (3)**

This course is a study of the historical development of philosophical ideas of India and China. The perspectives of Hinduism, Buddhism, Daoism, and Confucianism on the nature or reality, knowledge, and the moral life will be discussed. The main themes are the knowledge of ultimate reality, the cultivation of the individual life as the basis of harmony in the world, and being one with reality

**PHIL 222 RELIGION AND PERSONALITY DEVELOPMENT (3)**

A critical study of important concepts and problems involved in the characterization, analysis, and appraisal of certain types of alleged human knowledge. Such topics as sense perception, knowledge and belief, necessity, memory, and truth will be treated. Writings of historical and contemporary philosophers will be read and discussed.

**PHIL 224 COMPUTER LOGIC (3)**

A critical assessment of both the logic and the assumptions used in artificial intelligence will be considered for the light it sheds on the similarities and differences between humans and machines. Included will be special topics in logic that are useful for analyzing computers.

**PHIL 235 PERSPECTIVES ON DEATH (3)**

This course will explore how philosophers (such as Socrates, Epicurus, Augustine, Hume and Contemporary thinkers (such as Walter Kaufman, Thomas Nagel and Bernard Williams) have explored our common mortality. This course is recommended for all philosophy students wishing to augment their understanding of the history of philosophy and for psychology and nursing students who wish to explore the ethics and various perspectives on death and dying.

**PHIL 280 PHILOSOPHY OF LAW (3)**

An examination of the normative (justificatory) and analytic (conceptual) questions concerning the meaning, obligation, aims, evaluation, and administration of laws to enhance moral reasoning especially in matters of justice. The topics include natural law, moral obligation to obey the law, and the scope of international law.

**PHIL 290 MYTH, MAGIC AND MYSTICISM (3)**

Explore how myth, magic, and mysticism seek to transcend the boundaries of common experience. Philosophy, religion and literature have sought to illuminate the nature of the ultimate reality by seeking the deep structure and the meaning of the whole

of universe.

**PHIL 303 EXISTENTIALISM AND PHENOMENOLOGY (3)**

This course is an examination of the human predicament: What are we doing on this earth? If God does not exist, is everything permitted? Are we condemned to be free? Are anguish, dread, fear and trembling, and despair inescapable? Nietzsche, Kierkegaard, Jaspers, Marcel, Heidegger, and Sartre answer these questions in our survey of the origin and development of existentialism, and its impact on psychology, religion, literature, and the arts.

*Prerequisite:* PHIL 101 Philosophy: Persons and Problems

**PHIL 308 POLITICAL AND SOCIAL PHILOSOPHY (3)**

This course engages in discussions of central topics in political philosophy: the origins and limits of political authority, the duties of the citizen to the government, the rights of the individual vis-a-vis the state, the conflict between civic duty and individual freedom, justice and the ideal society. Readings are drawn from Plato, Aristotle, Locke, Hobbes, Rousseau, Hegel, and Marx.

**PHIL 311 SYMBOLIC LOGIC (3)**

This course is a study of the elements of formal logic. Topics are propositional and predicate logic, set theory, foundations of mathematics, and formal semantics. Readings include Frege, Russell, Goedel, and Tarski.

*Prerequisite:* PHIL 102 Critical Thinking: Critical and Creative Thinking

**PHIL 312 PHILOSOPHY OF LANGUAGE (3)**

An examination of the nature and structure of language and its relationship to philosophical problems. The course will include a discussion of the foundations and prospects of semantics, the value of ordinary language philosophy, and the most striking developments in contemporary formal semantics.

**PHIL 317 PHILOSOPHY AND LITERATURE (3)**

This course is a study of philosophical ideas in literature and how literature gives visible form to truths discovered in philosophical reflection. Readings are drawn from Aeschylus, Sophocles, Plato, Aristotle, St. Augustine, Shakespeare, More, Hobbes, Pope, Blake, Kant, Keats, Tolstoy, and Sartre. Topics include truth, beauty, goodness, and free will.

*Prerequisite:* PHIL 101 Philosophy: Persons and Problems.

**PHIL 320 PHILOSOPHY OF PSYCHOLOGY (3)**

This course is a study of psychological theories, principles, and concepts bearing on the nature of the mind and its complex structures. The central questions are: Are thoughts and sensations related to neurological processes? Are mental states identical to brain events? Is there room for free will together with psychological causality? Responses to these questions elucidate the concept of the self and the continuity of consciousness, the problem of other minds, the nature of intention, perception, and cognition.

**PHIL 324 WESTERN RELIGION (3)**

An intensive and methodical study of the scriptural foundations, original doctrines, historical developments, and the present status of Judaism, Christianity, and Islam.

*Prerequisite:* PHIL 106 Comparative Religion or PHIL 203 Philosophy of Religion

**PHIL 325 ADVANCED YOGA (3)**

An advanced study and practice of Yoga, including depth inquiry into selected Yoga classics and the various branches of Yoga. Practical application of Yoga theory envisage a comprehensive program of mental and physical health. Wherever feasible, attempts will be made to correlate Yoga principles with contemporary psychotherapeutic currents.

**PHIL333 PHILOSOPHIC STRUCTURES (3)**

Different systems of thought are studied in terms of the consistence, coherence, and completeness of their leading ideas. Proofs will be constructed to test for these properties. Math, logic, and some systems of philosophy are studied as models of deductive rigor; science and other systems of philosophy are studied in models of inductively-based systems. The relevance and verifiability of ideas are also considered.

*Prerequisite:* PHIL 102 Critical Thinking: Critical and Creative Thinking

**PHIL 401 PHILOSOPHY OF SCIENCE (3)**

Science began as "Natural Philosophy." Philosophy is an essential function for the sciences in defining their theoretical structure and in refining their procedures. The epistemological questions that arise in philosophy of science are: What kinds of evidence are relevant in establishing a scientific theory? What are the necessary and sufficient criteria for the validity of a scientific theory? What is the connection between the truth of a theory and its descriptive and predictive power? What is a law of nature? The metaphysical questions addressed are:

What is the ultimate structure of reality? What is an ontological commitment? Are we committed to the existence of all theoretical entities and structures postulated by an accepted theory?

*Prerequisite:* PHIL 102 Critical Thinking: Critical and Creative Thinking

**PHIL 405 ADVANCED SEMINAR IN PHILOSOPHY (3)**

This seminar is an exploration of a central topic in metaphysics (i.e., being and reality), epistemology (truth and knowledge), ethics (the meaning of morality), or aesthetics (art and beauty).

**PHIL 408 INDEPENDENT STUDY IN PHILOSOPHY (3)**

Individual research for advanced students who plan to pursue specialized studies in philosophy. The topics will be selected by students and faculty.

*Prerequisites:* PHIL 101 Philosophy: Persons and Problems and one PHIL course numbered 300 or higher

**PHIL 410 INTEGRATIVE SEMINAR (3)**

This seminar is primarily an investigation of the connections between philosophy and the various intellectual disciplines. The focus is on the relevance of philosophy to areas of human experience, such as religion, psychology, education, history, science, and art.

*Prerequisites:* PHIL 101 Philosophy: Persons and Problems or PHIL 103 Ethics: Contemporary Moral Issues and one PHIL course numbered 300 or higher

**PHIL 424 INDEPENDENT STUDY IN RELIGION (3)**

Individual research for students who plan to pursue specialized topics in religion. The topics will be selected by students and faculty.

*Prerequisite:* PHIL 106 Comparative Religion or PHIL 105 Issues in Religion

**PHIL 500 SELECTED TOPICS IN PHILOSOPHY (3)**

This course is an exploration of the great visions of the universe as articulated by ancient and contemporary thinkers. The readings represent a full range of perspectives and voices from all cultures. The topics for course are intended to encourage a dialogue among diverse intellectual traditions and culture heritages, with the aim of achieving a unified philosophical experience.

*Prerequisites:* PHIL 101 Philosophy: Persons and Problems or PHIL 103 Ethics: Contemporary Moral Issues and one PHIL course numbered 300 or higher

**PHIL 510 ETHICS, VALUES,  
AND SOCIETY (3)**

The course provides an exploration of how values are shaped by ethical thought and social dimensions; e.g. studies in sociology, anthropology, and history have shown that there is a wide variety of ethical values and practices. However, it also explores moral philosophy that seeks to achieve a clear understanding of what is right, good, and just from an enduring, universal perspective.

**Prerequisites:** PHIL 101 Philosophy: Persons and Problems or PHIL 103 Ethics: Contemporary Moral Issues and PHIL 308 Political and Social Philosophy

**PHIL 520 CONTEMPORARY  
SEARCH FOR MEANING (3)**

The search for truth and meaning spans human history and consists of the achievements of many minds. This continual pursuit has been referred to as “the perennial philosophy.” The aim of this course is to inspire students to develop a sense of greater humanity and wholeness of self, and to cultivate intellectual autonomy. The readings are drawn from both philosophical and literary texts.

**Prerequisites:** PHIL 101 Philosophy: Persons and Problems or PHIL 103 Ethics: Contemporary Moral Issues and one PHIL course numbered 300 or higher

**PHYSICS**

Science Building, Rm. 519  
201-200-3204  
<http://www.njcu.edu/dept/physics>

**Dr. Alberto Pinkás, Chairperson**  
[apinkas@njcu.edu](mailto:apinkas@njcu.edu)

**Associate Professors: Herbert, Pinkás**

The Physics Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements are explained below. General Studies Program requirements for graduation are listed on *page 26*—“Undergraduate Requirements.”

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### *Bachelor of Science in Applied Physics*

#### **(MINIMUM 69 CREDITS)**

Completion of this major prepares one for a career as a laboratory technician, systems analyst, engineering assistant, research associate, or physics associate. Continued study may include a master's degree in physics, geology, biology, environmental science, natural science, and science education, among others. It may also include doctorates in medicine, dentistry, or the previously identified fields.

The requirements for admission to this degree track are a minimum CGPA of 2.5 and MATH 165 (Precalculus). Students interested in this track are encouraged to make their selection of major as soon as possible.

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
PHYS 140*	Physics for Engineering I, Lecture	3
PHYS 1140*	Physics for Engineering I, Recitation & Laboratory	1
PHYS 141*	Physics for Engineering II, Lecture	3
PHYS 1141*	Physics for Engineering II, Recitation & Laboratory	1
PHYS 230*	Physics III, Lecture	3
PHYS 1230*	Physics III, Recitation & Laboratory	1
PHYS 321*	Theory and Applications of Electricity and Magnetism	3
PHYS 401*	Principles and Applications of Modern Optics, Lecture	3
PHYS 1401*	Optics, Recitation & Laboratory	1
PHYS 405*	Introduction to Quantum Mechanics	3
MATH 192*	Calculus and Analytic Geometry I	4
MATH 193*	Calculus and Analytic Geometry II	4
MATH 292*	Calculus and Analytic Geometry III	4
MATH 311*	Differential Equations for Engineers	4
CHEM 105* <sup>1</sup>	General Chemistry I, Lecture	3
CHEM 1105*	General Chemistry I, Recitation & Laboratory	2
CHEM 106* <sup>1</sup>	General Chemistry II, Lecture	3
CHEM 1106*	General Chemistry II, Recitation & Laboratory	2
INTD 180 <sup>1</sup>	Computer Tools for Science and Math	3
<i>Restricted electives: Select a minimum of nine credits from the following courses.</i>		
PHYS 240	Digital Techniques and Applications	3
PHYS 270*	Statics and Dynamics I	4
PHYS 271*	Statics and Dynamics II	2
PHYS 301*	Thermodynamics and Kinetic Theory	3
PHYS 307	Principles of Electronics: Analog Techniques & Applications, Lecture	3
PHYS 404*	Nuclear Radiation: Theory and Applications	3
<i>Restricted electives: Select a minimum of nine credits from the following courses, or from other courses approved by the Chairperson.</i>		
PHYS 113 <sup>1</sup>	Introduction to Astronomy	3
BIOL 130 <sup>1</sup>	Principles of Biology I	4
BIOL 131*	Principles of Biology II	4
BIOL 307*	Electron Microscopy	4
GEOS 111 <sup>1</sup>	Physical Geography	3
MATH 330*	Mathematical Statistics I	3

**Note:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

***Bachelor of Arts  
in Applied Physics*****(MINIMUM 70 CREDITS)**

Completion of this major prepares one for a career as a laboratory technician, systems analyst, engineering assistant, research associate, or physics associate. Continued study may include a master's degree in physics, geology, biology, environmental science, natural science, or science education, among others. It may also include doctorates in medicine, dentistry, or the previously identified fields.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.5 and MATH 165 (Precalculus). Students interested in this track are encouraged to make their selection of major as soon as possible.

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
PHYS 130* <sup>1</sup>	College Physics I, Lecture	3
PHYS 1130*	College Physics I, Recitation & Laboratory	1
PHYS 131* <sup>1</sup>	College Physics II, Lecture	3
PHYS 1131*	College Physics II, Recitation & Laboratory	1
PHYS 230*	Physics III, Lecture	3
PHYS 1230*	Physics III, Recitation & Laboratory	1
PHYS 240	Digital Techniques and Applications	3
PHYS 270*	Statics and Dynamics I	4
PHYS 401*	Principles and Applications of Modern Optics, Lecture	3
PHYS 1401*	Optics, Recitation & Laboratory	1
CHEM 105* <sup>2</sup>	General Chemistry I, Lecture	3
CHEM 1105*	General Chemistry I, Recitation & Laboratory	2
CHEM 106* <sup>2</sup>	General Chemistry II, Lecture	3
CHEM 1106*	General Chemistry II, Recitation & Laboratory	2
MATH 192*	Calculus and Analytic Geometry I	4
MATH 193*	Calculus and Analytic Geometry II	4
MATH 292*	Calculus and Analytic Geometry III	4
MATH 311*	Differential Equations for Engineers	4
INTD 180* <sup>2</sup>	Computer Tools for Science and Math	3
<i>Restricted electives: Select a minimum of nine credits from the following courses.</i>		
PHYS 271*	Statics and Dynamics II	2
PHYS 301*	Thermodynamics and Kinetic Theory	3
PHYS 307*	Principles of Electronics: Analog Techniques & Applications, Lecture	3
PHYS 321*	Theory and Applications of Electricity and Magnetism	3
PHYS 404*	Nuclear Radiation: Theory and Applications	3
PHYS 405*	Introduction to Quantum Mechanics	3
<i>Restricted electives: Select a minimum of nine credits from the following courses or other courses approved by the Chairperson.</i>		
PHYS 113 <sup>2</sup>	Introduction to Astronomy	3
BIOL 130 <sup>2</sup>	Principles of Biology I	4
BIOL 131*	Principles of Biology II	4
BIOL 403*	Radiation Biology	4
BIOL 410*	Electron Microscopy	4
GEOS 111 <sup>2</sup>	Physical Geography	3
MATH 330*	Mathematical Statistics I	3

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."



***Bachelor of Arts in Applied  
Physics with Teacher  
Certification in Physical Science  
(MINIMUM 69 CREDITS)***

Completion of this major and New Jersey teacher certification program prepares one for a career as a physical science teacher in elementary, middle, and high schools in which science is taught as a separate subject. Continued study may include a master's degree in education, physics, geology, biology, environmental science, or natural science.

Admission to the education certification program requires a minimum CGPA of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must pass the College of Education Writing Assessment prior to enrolling in EDU 331 (Field Experience II) and the Praxis exams 20245 Chemistry: Content Knowledge, 10265 Physics: Content Knowledge, and 10435 General Science: Content Knowledge prior to enrolling in EDU 480 (Internship). Students who are interested in the education certification program should contact the College of Education for additional requirements necessary for admission to and completion of certification program.

The requirements for admission to this degree track are a minimum CGPA of 2.5 and Precalculus. Students interested in this track are encouraged to make their selection of major as soon as possible.

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education, as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
PHYS 130* <sup>1</sup>	College Physics I, Lecture	3
PHYS 1130*	College Physics I, Recitation & Laboratory	1
PHYS 131* <sup>1</sup>	College Physics II, Lecture	3
PHYS 1131*	College Physics II, Recitation & Laboratory	1
PHYS 230*	College Physics III, Lecture	3
PHYS 1230*	College Physics III, Recitation & Laboratory	1
PHYS 240	Digital Techniques and Applications	3
PHYS 270*	Statics and Dynamics I	4
PHYS 401*	Principles and Applications of Modern Optics, Lecture	3
CHEM 105* <sup>2</sup>	General Chemistry I, Lecture	3
CHEM 1105*	General Chemistry I, Recitation & Laboratory	2
CHEM 106*	General Chemistry II, Lecture	3
CHEM 1106*	General Chemistry II, Recitation & Laboratory	2
MATH 310*	Differential Equations	3
<i>Restricted electives: Select a minimum of nine credits as one of the following sequences of courses.</i>		
MATH 190* <sup>2</sup>	Calculus I	3
MATH 191* <sup>2</sup>	Calculus II	3
MATH 290*	Calculus III	3
<i>or</i>		
MATH 192*	Calculus and Analytic Geometry I	4
MATH 193*	Calculus and Analytic Geometry II	4
MATH 292*	Calculus and Analytic Geometry III	4
<i>Restricted electives: Select a minimum of nine credits from the following courses.</i>		
PHYS 271*	Statics and Dynamics II	2
PHYS 301*	Thermodynamics and Kinetic Theory	3
PHYS 307*	Principles of Electronics: Analog Techniques & Applications, Lecture	3
PHYS 321*	Theory and Applications of Electricity and Magnetism	3
PHYS 404*	Nuclear Radiation: Theory and Applications	3
PHYS 405*	Introduction to Quantum Mechanics	3
BIOL 1302	Principles of Biology I	4
BIOL 131*	Principles of Biology II	4
GEOS 222*	Experimental Geology	2
GEOS 224*	Experimental Oceanography	2
MATH 330*	Mathematical Statistics I	3
BIOL 403*	Radiation Biology	4
BIOL 410*	Electron Microscopy	4
<i>Restricted electives: Select a minimum of nine credits from the following courses or other courses approved by the Chairperson.</i>		
PHYS 113 <sup>1</sup>	Introduction to Astronomy	3
BIOL 130 <sup>2</sup>	Principles of Biology I	4
BIOL 131*	Principles of Biology II	4
BIOL 403*	Radiation Biology	4
BIOL 410*	Electron Microscopy	4
GEOS 111 <sup>2</sup>	Physical Geography	3
MATH 330*	Mathematical Statistics I	3
Required General Studies Program courses		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
GEOS 111 <sup>2</sup>	Principles of Earth Science	3

**(Continued on next page)**

Course Code	Course Title	Credits
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
PSYC 152 <sup>2</sup>	Adolescence to Adulthood	3
SOCI 114 <sup>2</sup>	Sociology of the Family	3
INTD 180 <sup>2</sup>	Computer Tools for Science and Math	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301	Challenges in Urban Education	3
LTED 330	Focus: Reading Language & Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior & Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading Language & Literacy Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 372*	Secondary Methods of Teaching Science	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management and Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

*Notes:* <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

***Pre-Engineering Two-Year Program in Applied Physics (for transfer to a Bachelor of Science in Engineering program)***

Completion of this program prepares one to pursue a baccalaureate degree in engineering. After completion of the following course sequence, students may transfer to a Bachelor of Science program in engineering. The two-year pre-engineering program described below was designed to articulate with the engineering programs at New Jersey Institute of Technology, but can be adapted to meet the transfer requirements of other engineering programs. Interested students should consult the engineering curricula at the institutions to which they intend to transfer.

The requirements for admission to this degree track are a minimum CGPA of 2.5 and MATH 165 (Precalculus). Students interested in this track are encouraged to make their selection of major as soon as possible.

Course requirements for the completion of the program are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
Semester I		
ENGL 101* <sup>1</sup>	English Composition I	3
ENGL 106* <sup>1</sup>	Writing Lab	1
FYE 1XX** <sup>1</sup>	First Year Experience	3
CHEM 105* <sup>1</sup>	General Chemistry I, Lecture	3
CHEM 1105*	General Chemistry I, Recitation & Lab	2
MATH 192* <sup>1</sup>	Calculus and Analytic Geometry I	4
Semester II		
ENGL 102* <sup>1</sup>	English Composition II	3
CHEM 106* <sup>1</sup>	General Chemistry II, Lecture	3
CHEM 1106*	General Chemistry II, Recitation & Laboratory	2
MATH 193* <sup>1</sup>	Calculus and Analytic Geometry II	4
PHYS 140*	Physics for Engineering I, Lecture	3
PHYS 1140*	Physics for Engineering I, Recitation & Laboratory	1
Semester III		
ECON 208 <sup>1</sup>	Principles of Economics: Micro	3
GSC 101 <sup>1</sup>	Civilizations I	3
INTD 180 <sup>1</sup>	Computer Tools for Science and Math	3
MATH 292*	Calculus and Analytic Geometry III	4
PHYS 141*	Physics for Engineering II, Lecture	3
PHYS 1141*	Physics for Engineering II, Recitation & Laboratory	1
Semester IV		
GSC 102 <sup>1</sup>	Civilizations II	3
MATH 311*	Differential Equations for Engineers	4
PHYS 230*	Physics III, Lecture	3
PHYS 1230*	Physics III, Recitation & Laboratory	1
PHYS 307*	Principles of Electronics: Analog Techniques & Applications, Lecture	3

**Note:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

### ***Applied Physics and Electrical Engineering Dual Degree (3 + 2) Program***

This dual-degree program is designed for students interested in pursuing studies in both the sciences and engineering.

New Jersey City University and the New Jersey Institute of Technology (NJIT) jointly offer a five-year program of study leading to a B.S. degree in Applied Physics from New Jersey City University and a B.S. degree in Electrical Engineering from the NJIT. This program combines a traditional liberal arts course of study with an intensive technical curriculum. Earning two degrees increases employment opportunities and possibilities.

Students pursuing the dual-degree program enter NJCU as full-time, degree-seeking freshmen. The first three years of study are spent at NJCU, with some classes being taken at NJIT. During these first three years, the majority of the requirements for the degree from NJCU are satisfied, including General Studies Program and departmental requirements for the B.S. degree. During the fourth and fifth years, students enroll full-time at NJIT. During these two years, the program of study focuses on the engineering courses required to complete the engineering degree, with certain designated technical courses being required by NJCU for fulfillment of its degree requirements.

A B.S. degree in Applied Physics is awarded by NJCU at the end of the fourth year, and a BS degree in Electrical Engineering is awarded by NJIT at the end of the fifth year.

Students interested in this dual-degree program are strongly encouraged to select the major as soon as possible upon enrolling at NJCU in consultation with a faculty advisor from the Physics Department. The advisor will assist students in planning the program of study in order to complete the program requirements within the five-year time span.

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<b>FIRST YEAR:</b>		
1st Semester:		
CHEM 105 <sup>1</sup>	General Chemistry I, Lecture	3
CHEM 1105	General Chemistry I, Recitation & Laboratory	2
ENGL 101 <sup>1</sup>	English Composition I	3
ENGL 106 <sup>1</sup>	Writing Lab	1
MATH 192 <sup>1</sup>	Calculus and Analytic Geometry I	4
FYE 1XX <sup>1</sup>	First Year Experience	3
2nd Semester:		
ENGL 102 <sup>1</sup>	English Composition II	3
MATH 193 <sup>1</sup>	Calculus and Analytic Geometry II	4
CHEM 106 <sup>1</sup>	General Chemistry II, Lecture	3
CHEM 1106	General Chemistry II, Recitation & Laboratory	2
PHYS 140	Physics for Engineering I, Lecture	3
PHYS 1140	Physics for Engineering I, Recitation & Laboratory	1
<b>SECOND YEAR:</b>		
1st Semester:		
PHYS 141	Physics for Engineering II, Lecture	3
PHYS 1141	Physics for Engineering II, Recitation & Laboratory	1
MATH 292	Calculus and Analytic Geometry III	4
ECON 208 <sup>1</sup>	Principles of Economics: Micro	3
GSC 101 <sup>1</sup>	Civilizations I	3
GENSTUDIES	Area E	3
2nd Semester:		
PHYS 230	Physics III, Lecture	3
PHYS 1230	Physics III, Recitation & Laboratory	1
PHYS 307	Principles of Electronics: Analog Techniques & Applications, Lecture	3
GSC 102 <sup>1</sup>	Civilizations II	3
MATH 222	Differential Equations (Taken at NJIT)	4
FED 101C	Fundamentals of Engineering Design (Taken at NJIT)	1
FED 101D	Fundamentals of Engineering Design (Taken at NJIT)	1
<b>THIRD YEAR:</b>		
1st Semester:		
PHYS 240	Digital Techniques and Applications	3
PHYS 401	Principles and Applications of Modern Optics, Lecture	3
PHYS 1401	Optics, Recitation & Laboratory	1
CHEM 305	Physical Chemistry, Lecture	3
CHEM 3305	Physical Chemistry, Recitation & Laboratory	2
ECE 231	Circuits and Systems (Taken at NJIT)	3
CIS 113	Introduction to Computer Science I (Taken at NJIT)	3
2nd Semester:		
PHYS 241	Microprocessors	3
PHYS 405	Introduction to Quantum Mechanics	3
PHYS 321	Introduction to Electricity and Magnetism	3
GENSTUDIES	(See equivalency list below)	3
ECE 232	Circuits and Systems II (Taken at NJIT)	3

*(Continued on next page)*

Course Code	Course Title	Credits
FOURTH YEAR (Courses taken at NJIT):		
1st Semester:		
ECE 333	Signals and Systems (3-0-3)	3
ECE 361	Electromagnetic Fields I (2-0-2)	2
ECE 372	Electronic Circuits II (3-0-3)	3
ECE 392	Electrical Engineering Laboratory II (1-2-2)	2
MECH 320	Statics and Mechanics of Materials (3-0-3)	3
SS 201	Economics (3-0-3)	3
2nd Semester:		
ECE 321	Random Signals and Noise (3-0-3)	3
ECE 362	Electromagnetic Fields II (3-0-3)	3
ECE 373	Electronic Circuits III (3-0-3)	3
ECE 395	Microprocessor Laboratory (0-4-2)	2
Elective	Open: GUR ENG 352 (3-0-3)	3
Elective	EE Track (3-0-3)	3
FIFTH YEAR (Courses taken at NJIT):		
1st Semester:		
ECE 341	Energy Conversion (3-0-3)	3
ECE 413	Introduction to Electrical Engineering Practice (1-0-1)	1
ECE 494	Electrical Engineering Laboratory III (1-2-2)	2
Elective	Lit/Hist/Phil/STS: GUR (3-0-3)	3
Elective	EE Core I (3-0-3)	3
Elective	EE Track (3-0-3)	3
2nd Semester:		
EE 415	Electrical Engineering Project (1-2-2)	2
Elective	Capstone Seminar: GUR (3-0-3)	3
Elective	Management: GUR (3-0-3)	3
Elective	EE Core II (3-0-3)	3
Elective	EE Core Laboratory (3-0-3)	3
Elective	EE Track (3-0-3)	3
<i>Notes: <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See <b>page 26</b>—"Undergraduate Requirements."</i>		
<i>Equivalency of courses for General Studies Program Requirements:</i>		
POLI 102	U.S. Politics transfers as R790-201 American National Government	
POLI 202	State and Local Government transfers as SS 2XX Basic Social Science	
PSYC 110	Introduction to Psychology transfers as R830-101 Into to Psychology	
SOCI 111	Principles of Sociology transfers as R920-101 Principles of Sociology	
SOCI 113	Social Problems transfers as R920-208 Social Problems	
SOCI 141	Cultural Anthropology transfers as R070-204 Cultural Anthropology	
SOCI 266	Criminology transfers as R202-201 Introduction to Criminal Justice	

**Minor in Applied Physics****(MINIMUM 26 CREDITS)**

The Minor in Applied Physics is designed for students who wish to complement their preparation in the liberal arts. Students who may be interested in this minor are encouraged to declare their minor as soon as possible.

Students who minor in Physics must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
PHYS 130* <sup>1</sup>	College Physics I, Lecture	3
PHYS 1130*	College Physics I, Recitation & Laboratory	1
PHYS 131* <sup>1</sup>	College Physics II, Lecture	3
PHYS 1131*	College Physics II, Recitation & Laboratory	1
PHYS 230*	Physics III, Lecture	3
PHYS 1230*	Physics III, Recitation & Laboratory	1
MATH 192* <sup>1</sup>	Calculus and Analytic Geometry I	4
MATH 193* <sup>1</sup>	Calculus and Analytic Geometry II	4
<i>Restricted electives: Select a minimum of six credits from the following courses.</i>		
PHYS 240	Digital Techniques and Applications	3
PHYS 270*	Statics and Dynamics I	4
PHYS 271*	Statics and Dynamics II	2
PHYS 301*	Thermodynamics and Kinetic Theory	3
PHYS 307*	Principles of Electronics: Analog Techniques & Applications, Lecture	3
PHYS 321*	Theory and Applications of Electricity and Magnetism	3
PHYS 401*	Principles and Applications of Modern Optics	3
PHYS 1401*	Optics, Recitation & Lab	1
PHYS 404*	Nuclear Radiation: Theory and Applications	3
PHYS 405*	Introduction to Quantum Mechanics	3

*Note:* <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Course Descriptions****PHYS 101 BASIC CONCEPTS OF PHYSICS (3)**

This is a one-semester course, which gives an overview of the basic principles of physics including mechanics, heat, electricity and magnetism, light and sound, and modern physics.

**PHYS 103 PHYSICAL PRINCIPLES OF TELECOMMUNICATIONS (3)**

This course explores the basic physical principles and their applications to the dynamic field of telecommunications. It provides a basis for understanding the contemporary explosion in communication technologies—computers, satellites, tape, disk, fiber optics and new radio and telephone services. The central role of the computer is examined.

**PHYS 107 PHYSICS IN THE ARTS AND MEDIA (3)**

This course is designed especially for students who have an interest in art, music, and media. Its purpose is to establish connections and relationships between human esthetic expression and experience in these endeavors, and the existing important underlying physical bases. Scientific inquiry and demonstrations are used to explore color, sound, light, the ear, the eye, the role of symmetry and chaos, and electromagnetic communications, along with the interaction between technology and society.

**PHYS 111 INTRODUCTION TO ENERGY AND THE ENVIRONMENT (3)**

This course deals with forms and sources of energy, including conversion for utilization, resources, and needs, and environmental and social consequences.

**PHYS 113 INTRODUCTION TO ASTRONOMY (3)**

Early astronomical thought and the role of astronomy in the development of modern science are introduced in this course. This involves a study of motion within the solar system along with the classification, structure, and types of stars. An introduction to stellar evolution and cosmology is also included.

**PHYS 130 COLLEGE PHYSICS I, LECTURE (3)**

Fundamental concepts and laws of mechanics, including statics, dynamics, energy-momentum conservation, and gravitation are examined in this course. Additional areas of study include behavior of fluids, vibrations, and wave motion. Instruction includes four hours of lecture, demonstration, discussion, and problem solving per week.

*Prerequisite:* MATH 165 Pre-Calculus

*Corequisite:* PHYS 1130 College Physics I, Recitation & Laboratory

**PHYS 131 COLLEGE PHYSICS II, LECTURE (3)**

This course is a continuation of Physics 130 and covers the study of heat, including kinetic theory, the laws of thermodynamics, electrostatics, dc and ac circuits, electromagnetic interaction, and geometric and wave optics. Instruction includes four hours of lecture, demonstration, discussion, and problem solving per week.

*Prerequisite:* PHYS 130 College Physics I

*Corequisite:* PHYS 1131 College Physics II, Recitation & Laboratory

**PHYS 140 PHYSICS FOR ENGINEERING I, LECTURE (3)**

This course develops the concepts and laws of mechanics, especially conservation laws, and includes scalar and vector quantities, rectilinear and circular motion, equilibrium, work energy and momentum, elements of fluid statics and dynamics. Instruction includes four hours of lecture, demonstration, discussion, and problem solving per week with emphasis on applications.

*Corequisite:* MATH 192 Calculus and Analytic Geometry I, and PHYS 1140 Physics for Engineering I, Recitation & Laboratory

**PHYS 141 PHYSICS FOR ENGINEERING II, LECTURE (3)**

This course is a continuation of Physics 140 and develops a conceptual, quantitative, and applied understanding of thermodynamics, heat theory, electric fields and electrostatics, dc and ac circuits, magnetic fields and properties of matter, electromagnetic waves, and geometric and wave optics. Instruction

includes four hours of lecture, demonstration, discussion, and problem solving per week with emphasis on applications.

**Prerequisite:** PHYS 140 Physics for Engineering I

**Corequisite:** PHYS 1141 Physics for Engineering II, Recitation & Laboratory

### **PHYS 201 THE WONDERS OF CONTEMPORARY PHYSICS (3)**

A journey through the past 100 years of physics achievements culminates with the study of the current frontier of an expanding universe of galaxies that explores how the microworld and cosmos are intimately linked to fundamental questions concerning the origin, evolution, and possible fate of the universe itself. The course examines how elements of relativity, radiation, entropy, particle physics, fundamental forces, and grand unification theory converge and attempt to explain the cosmos.

### **PHYS 226 EXPERIMENTAL ASTRONOMY (2)**

This course focuses on basic research and field experiences in astronomy.

**Prerequisite or corequisite:** PHYS 113 Introduction to Astronomy

### **PHYS 230 PHYSICS III, LECTURE (3)**

This course examines electromagnetic wave-theory, production, propagation, and detection, applied optical techniques, modern physics, relativity and its implications, the Bohr atom, elements of atomic and nuclear structure, and radiation and its measurement. Instruction includes four hours of lecture, demonstration, discussion, and problem solving per week with emphasis on applications.

**Prerequisite:** PHYS 141 Physics for Engineering II or PHYS 131 College Physics II

### **PHYS 240 DIGITAL TECHNIQUES AND APPLICATIONS (3)**

This course deals with logical design and optimization of digital computers and digital devices. It offers an introduction to number systems, codes, and Boolean Algebra. The course explores electronics and solid-state components—gates, flip flops, shift registers, docks, counters, adders and other arithmetic circuits, and memory devices. Experiments include design of logic circuit using discrete and integrated circuit components.

### **PHYS 241 MICROPROCESSORS (3)**

This class covers all the basic principles of the functioning of the INTEL 8085 micro-processor family. Machine and Assembly languages are analyzed as they apply to the instruction written in the microprocessor.

### **PHYS 260 OBSERVATIONAL ASTRONOMY (3)**

This course teaches students how to use high quality amateur telescopes including optics, the use of setting circles, mounting, and astrophotography. Celestial coordinate systems (equaloria) are also taught.

### **PHYS 270 STATICS AND DYNAMICS I (4)**

This course studies classification and systems of forces—their resultants, geometric and analytical conditions for equilibrium, frames, trusses, moments of inertia, rotation of a rigid body, principles of work, energy, and impulse and momentum. Instruction includes four hours of lecture, demonstration, discussion, and problem solving per week with emphasis on computer simulations and applications.

**Prerequisite:** PHYS 141 Physics for Engineering II, or PHYS 131 College Physics II and MATH 192 Calculus and Analytic Geometry I

### **PHYS 271 STATICS AND DYNAMICS II (2)**

This course explores the kinetics of rigid bodies detailing the effects of forces, work, energy, impulse, and momentum, including mechanical vibrations. Instruction includes two hours of lecture, demonstration, discussion, and problem solving per week with emphasis on computer simulations and applications.

**Prerequisite:** PHYS 270 Statics and Dynamics I

### **PHYS 301 THERMODYNAMICS AND KINETIC THEORY (3)**

This course studies the operational definitions of heat, internal energy, entropy, and absolute temperature along with the theory of specific heats. Thermodynamic functions and relations are applied to heat engines and other physical systems and the kinetic theory of gases, viscosity, and conductivity are included.

**Prerequisite:** PHYS 131 College Physics II or PHYS 141 Physics for Engineering II

### **PHYS 307 PRINCIPLES OF ELECTRONICS: ANALOG TECHNIQUES AND APPLICATIONS, LECTURE (3)**

This course examines circuit theory, techniques of electrical measurements, principles and operation of solid-state devices, such as junctions, diodes, bipolar transistors, FETs and MOSFETs, rectification and filtering, feedback, amplifiers, and nonlinear circuits. The course provides an understanding of electronics applied to various fields. Instruction includes four hours of lecture, demonstration, discussion, and problem solving per week with emphasis on applications.

### **PHYS 321 THEORY AND APPLICATIONS OF ELECTRICITY AND MAGNETISM (3)**

This course examines electrostatic fields in vacuum and material media, magnetostatic fields, electromagnetic induction, magnetic fields in matter, Maxwell's equations, propagation of electromagnetic waves, in free space and matter, reflection, and radiation, guided waves.

**Prerequisites:** PHYS 141 Physics for Engineering II and PHYS 131 College Physics II

**Corequisite:** MATH 311 Differential Equations for Engineers

### **PHYS 401 PRINCIPLES AND APPLICATIONS OF MODERN OPTICS, LECTURE (3)**

Four different areas of optics are studied in this course: wave optics (polarization, diffraction, and interference), geometric optics (lenses, mirrors, and optical instruments), and quantum, and coherent optics (lasers and fiber optics). Instruction includes four hours of lecture, demonstration, discussion, and problem solving per week with emphasis on applications.

**Prerequisite:** PHYS 230 Physics III

### **PHYS 404 NUCLEAR RADIATION: THEORY AND APPLICATIONS (3)**

This course considers the discovery and nature of radioactivity, nuclear decay processes, determination of half-life, interaction with various forms of matter, instrumentation and detection principles, radioactive dating and tracing procedures, sources of environmental exposure, and effects on the human body and materials.

**Prerequisite:** PHYS 230 Physics III

### **PHYS 405 INTRODUCTION TO QUANTUM MECHANICS (3)**

This course is designed to give upper level physics students a basic understanding of quantum physics, including black body radiation, the photoelectric effect, the uncertainty principle, one-dimensional Schrödinger equation, the quantum mechanical oscillator, the hydrogen atom, and other selected topics. Discussion of theory and applications, including problems and demonstrations, are conducted.

**Prerequisites:** PHYS 230 Physics III and MATH 311 Differential Equations for Engineers

### **PHYS 420 PHYSICS IN MEDICINE (3)**

This course is designed for students who wish to pursue a career in the health professions or who have an interest in applied physics problems. A variety of applied physics techniques in medicine are covered including medical imaging (X-ray, CAT scans, MRI, PET, and ultrasound imaging), fiber

optics, medical lasers, nuclear medicine, and other applications.

*Prerequisite:* PHYS 230 Physics III

**PHYS 430 PHYSICS RESEARCH: ADVANCED LABORATORY (4)**

This course is open to junior and senior physics majors who wish to pursue independent research under the direction of a physics faculty member. Students meet with their advisors three hours per week to discuss the progress of their projects.

*Prerequisites:* PHYS 230 Physics III and PHYS 1230 Physics III and MATH 311 Differential Equations for Engineers

**PHYS 448 STELLAR ASTRONOMY (3)**

This course presents an introduction to the physical characteristics, structure, and evolution of the stars, nuclear processes, and the formation of the elements in the stellar interior, the interstellar medium, and the distribution of stars in space.

*Prerequisite:* PHYS 113 Introduction to Astronomy

**PHYS 449 SOLAR SYSTEM ASTRONOMY (3)**

This course covers the physical characteristics of the sun and planets, Newton's and Kepler's Laws, orbit theory applied to planetary systems and binary stars, and solar-terrestrial relationships.

**PHYS 1130 COLLEGE PHYSICS I, RECITATION AND LABORATORY (1)**

Correlated student laboratory experiments for most areas cited in PHYS 130 are presented in this course. Instruction includes structured and open-ended lab experiments with recitation.

*Corequisite:* PHYS 130 College Physics I, Lecture

**PHYS 1131 COLLEGE PHYSICS II, RECITATION AND LABORATORY (1)**

Correlated student laboratory experiments for most areas cited in PHYS 131 are presented in this course. Instruction includes structured and open-ended lab. Experiments with recitation are performed to verify or discover the principles of physics.

*Corequisite:* PHYS 131 College Physics II, Lecture

**PHYS 1140 PHYSICS FOR ENGINEERING I, RECITATION AND LABORATORY (1)**

Correlated student laboratory experiments for most areas cited in PHYS 140 are performed to verify or discover the principles of physics. Instruction includes structured and open-ended laboratory experiments with recitation.

*Corequisite:* PHYS 140 Physics for Engineering I or PHYS 130 College Physics I,

Lecture

**PHYS 1141 PHYSICS FOR ENGINEERING II, RECITATION AND LABORATORY (1)**

Correlated student laboratory experiments for most areas cited in PHYS 141 are performed to verify or discover the principles of physics. Instruction includes structured and open-ended laboratory experiments with recitation.

*Corequisite:* PHYS 141 Physics for Engineering II or PHYS 131 College Physics II, Lecture

**PHYS 1230 PHYSICS III, RECITATION AND LABORATORY (1)**

Correlated student laboratory experiments for most areas cited in PHYS 230 are performed to verify or discover the principles of physics. Instruction includes structured and open-ended laboratory experiments with recitation.

*Prerequisite:* PHYS 131 College Physics II or PHYS 141 Physics for Engineering II

*Corequisite:* PHYS 230 Physics III, Lecture  
**PHYS 1307 PRINCIPLES OF ELECTRONICS, RECITATION AND LABORATORY (1)**

Correlated student laboratory experiments for most areas cited in PHYS 307 are performed to verify or discover the principles of physics. Instruction includes structured and open-ended laboratory experiments with recitation. Computer software packages to simulate and analyze complex circuits are used.

*Corequisite:* PHYS 307 Principles of Electronics: Analog Techniques and Applications, Lecture

**PHYS 1401 OPTICS, RECITATION AND LABORATORY (1)**

Correlated student laboratory experiments for most areas cited in PHYS 401 are performed in this course. Introduction includes structured and open-ended laboratory experiments with recitation to verify or discover the principles of optics. Students use computer software packages to simulate and analyze complex optical systems.

*Prerequisite:* PHYS 230 Physics III, Lecture

*Corequisites:* MATH 311 Differential Equations for Engineers and PHYS 401 Principles and Applications of Modern Optics

## POLITICAL SCIENCE

Karnoutsos Hall, Rm. 640

201-200-3231

<http://web.njcu.edu/dept/polisci>

**Dr. Diana Lieb, Chairperson**

[dlieb@njcu.edu](mailto:dlieb@njcu.edu)

**Associate Professors: Lieb, Moran, Moskowitz**

**Assistant Professor: Stanton**

The Political Science Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

Bachelor of Arts in Political Science—  
General, p. 197

Bachelor of Arts in Political Science—  
Secondary Education Teacher  
Certification (Social Studies), p. 198

Minor in Political Science, p. 200

Minor in Pre-Law, p. 203



### ***Bachelor of Arts in Political Science***

#### **(MINIMUM 36 CREDITS)**

Completion of this major prepares students for careers in government, including domestic civil service, legislative policy, foreign service, intelligence and national security agencies, intergovernmental work, and international organizations, including the United Nations. The program also prepares students for work in non-governmental organizations, banking, business and business-related organizations, consulting, media, non-profit, educational, and research organizations. Completion of the Political Science major also prepares students to pursue advanced degrees in law, public administration and policy, diplomacy and international relations.

The requirement for admission to this degree track is a cumulative grade point average (CGPA) of 2.5 or higher.

Course requirements for completion follow. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<i>Required</i>		
POLI 102 <sup>1</sup>	U.S. Politics	3
POLI 109 <sup>1</sup>	Introduction to Comparative Politics	3
POLI 110 <sup>1</sup>	Introduction to World Politics	3
POLI 205 <sup>1</sup>	History of Political Thought	3
<i>Restricted elective: Select a minimum of three credits from the following American government courses.</i>		
POLI 116 <sup>1</sup>	Government and Business in the United States	3
POLI 202	State and Local Government	3
POLI 212	Introduction to Public Policy Analysis	3
POLI 213	Urban Politics	3
POLI 220	Campaign 20XX	3
<i>Restricted elective: Select a minimum of three credits from the following advanced American government courses.</i>		
POLI 301*	Political Parties and Elections	3
POLI 304*	Media and Politics	3
POLI 306*	Constitutional Law	3
POLI 308*	President and Congress	3
POLI 311*	Judicial Process	3
POLI 331*	U.S Foreign Policy	3
<i>Restricted elective: Select a minimum of three credits from the following comparative and international politics courses.</i>		
POLI 207	The United Nations and World Affairs	3
POLI 209	Government and Politics of South America	3
POLI 210	Government and Politics of Mexico and the Caribbean	3
POLI 221	Government and Politics of Africa	3
POLI 222	Government and Politics of Europe	3
POLI 223	Government and Politics of Asia	3
POLI 224	Government and Politics of the Middle East	3
POLI 226	Government and Politics of Central Asia	3
<i>Restricted elective: Select a minimum of three credits from the following advanced comparative and international politics courses.</i>		
POLI 322*	Advanced Studies in European Politics	3
POLI 310*	Global Issues of Urgency	3
POLI 324*	International Relations of the Middle East	3
POLI 326*	International Relations of Central Asia	3
POLI 331*	United States Foreign Policy	3
POLI 334*	Issues of War and Peace	3
POLI 550*	United Nations Workshop	3
<i>Restricted elective: Select a minimum of three credits from the following seminar courses.</i>		
POLI 450*	Seminar in American Government	3
POLI 452*	Seminar in International Relations	3
POLI 453*	Seminar in Urban Government and Politics	3
POLI 454*	Seminar in Political Theory	3
POLI 456*	Seminar in the New World Order	3
<i>Electives: Select a minimum of nine credits from the remaining courses above and from the following courses.</i>		
POLI 100	Contemporary Political Issues	3
POLI 208	Research & Internet Methods	3
POLI 215	Women and the Law	3
POLI 254	Politics through Film	3
POLI 305	Cyber Politics	3
POLI 307*	International Law	3
POLI 313*	Civil Liberties in the United States	3
POLI 346	Public Personnel Systems	3
POLI 491	Legal Writing	3
POLI 496	Legal Research	3
POLI 497	Legal Internship	3
POLI 498	Internship in Policy and Administration	3
SPFD XXX	Seminar in Cooperative Education	3-6

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in Political Science with Secondary Education Teacher Certification—Social Studies***  
**(MINIMUM 36 CREDITS)**

Completion of this major program prepares one for a career as a social studies teacher in elementary, middle, and high schools in which social studies is taught as a separate subject. Continued study may include a master's and doctoral degree in political science or a similar field.

Admission to the education certification program requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the Praxis exam, and the minimum CGPA that is in effect by the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and the Praxis exam 10081 Social Studies: Content Knowledge prior to EDU 480 (Internship). Students who are interested in the education certification program must contact the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission and completion of the certification program.

Course requirements for completion include the following. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

**Note:** For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Course Code	Course Title	Credits
<i>Required</i>		
POLI 102 <sup>1</sup>	U.S. Politics	3
POLI 109 <sup>1</sup>	Introduction to Comparative Politics	3
POLI 110 <sup>1</sup>	Introduction to World Politics	3
POLI 205 <sup>1</sup>	History of Political Thought	3
<i>Restricted elective: Select a minimum of three credits from the following American government courses.</i>		
POLI 116 <sup>1</sup>	Government and Business in the United States	3
POLI 202	State and Local Government	3
POLI 212	Introduction to Public Policy Analysis	3
POLI 213	Urban Politics	3
POLI 220	Campaign 20XX	3
<i>Restricted elective: Select a minimum of three credits from the following advanced American government courses.</i>		
POLI 301*	Political Parties and Elections	3
POLI 304*	Media and Politics	3
POLI 306*	Constitutional Law	3
POLI 308*	President and Congress	3
POLI 311*	Judicial Process	3
POLI 331*	U.S Foreign Policy	3
<i>Restricted elective: Select a minimum of three credits from the following comparative and international politics courses.</i>		
POLI 207	The United Nations and World Affairs	3
POLI 209	Government and Politics of South America	3
POLI 210	Government and Politics of Mexico and the Caribbean	3
POLI 221	Government and Politics of Africa	3
POLI 222	Government and Politics of Europe	3
POLI 223	Government and Politics of Asia	3
POLI 224	Government and Politics of the Middle East	3
POLI 226	Government and Politics of Central Asia	3
<i>Restricted elective: Select a minimum of three credits from the following advanced comparative and international politics courses.</i>		
POLI 322*	Advanced Studies in European Politics	3
POLI 310*	Global Issues of Urgency	3
POLI 324*	International Relations of the Middle East	3
POLI 326*	International Relations of Central Asia	3
POLI 331*	United States Foreign Policy	3
POLI 334*	Issues of War and Peace	3
POLI 550*	United Nations Workshop	3
<i>Restricted elective: Select a minimum of three credits from the following seminar courses.</i>		
POLI 450*	Seminar in American Government	3
POLI 452*	Seminar in International Relations	3
POLI 453*	Seminar in Urban Government and Politics	3
POLI 454*	Seminar in Political Theory	3
POLI 456*	Seminar in the New World Order	3
<i>Electives: Select a minimum of nine credits from the remaining courses above and from the following courses.</i>		
POLI 100 <sup>1</sup>	Contemporary Political Issues	3
POLI 208 <sup>1</sup>	Research & Internet Methods in the Social Sciences	3
POLI 215	Women and the Law	3
POLI 254	Politics through Film	3
POLI 305	Cyber Politics	3
POLI 307*	International Law	3
POLI 313*	Civil Liberties in the United States	3
POLI 346	Public Personnel Systems	3

(Continued on next page)

Course Code	Course Title	Credits
POLI 491	Legal Writing	3
POLI 496	Legal Research	3
POLI 497	Legal Internship	3
POLI 498	Internship in Policy and Administration	3
SPFD XXX	Seminar in Cooperative Education	3–6
<i>Required General Studies Program courses</i>		
BIOL 103 <sup>2</sup>	Human Sexual Biology	3
<i>or</i>		
BIOL 104 <sup>2</sup>	The Human Body	3
GEOS 111 <sup>2</sup>	Principles of Earth Science	3
PSYC 152 <sup>2</sup>	Adolescence through Adulthood	3
SOC 114 <sup>2</sup>	Sociology of the Family	3
HIST 150 <sup>2</sup>	American History to 1865	3
HIST 152 <sup>2</sup>	American History Since 1865	3
INTD 149 <sup>2</sup>	Human and Intercultural Relations	3
<i>Restricted electives: Select a minimum of three credits from each of the following General Studies Program areas.</i>		
	Physical Geography <sup>2</sup>	3
	Anthropology <sup>2</sup>	3
	Economics <sup>2</sup>	3
	European History <sup>2</sup>	3
<i>Required Education courses, to be taken by phase and in sequence, for traditional certification:</i>		
Phase I (May be taken separately and in any order)		
EDU 301*	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II (May be taken separately or with Phase III)		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Field Experience II	1
Phase III (Taken concurrently and offered fall semesters only)		
LTED 370*	Secondary Reading and Language Workshop	2
EDU 371*	Secondary Curriculum, Methods and Materials Workshop	3
EDU 4372*	Secondary Methods of Teaching Social Studies	3
Phase IV (Taken concurrently)		
EDU 485*	Classroom Management and Assessment	2
EDU 470*	Concurrent Student Teaching Seminar	2
EDU 480*	Internship	8

Notes: <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

***Minor in Political Science*****(MINIMUM 24 CREDITS)**

Students who minor in Political Science must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
POLI 102 <sup>1</sup>	U.S. Politics	3
POLI 109 <sup>1</sup>	Introduction to Comparative Politics	3
POLI 110 <sup>1</sup>	Introduction to World Politics	3
POLI 205 <sup>1</sup>	History of Political Thought	3
<i>Restricted elective: Select a minimum of three credits from the following American government courses.</i>		
POLI 116 <sup>1</sup>	Government and Business in the United States	3
POLI 202	State and Local Government	3
POLI 212	Introduction to Public Policy Analysis	3
POLI 213	Urban Politics	3
POLI 220	Campaign 20XX	3
POLI 301*	Political Parties and Elections	3
POLI 304*	Media and Politics	3
POLI 306*	Constitutional Law	3
POLI 308*	President and Congress	3
POLI 311*	Judicial Process	3
POLI 331*	U.S Foreign Policy	3
<i>Restricted elective: Select a minimum of three credits from the following comparative and international politics courses.</i>		
POLI 207	The United Nations and World Affairs	3
POLI 209	Government and Politics of South America	3
POLI 210	Government and Politics of Mexico and the Caribbean	3
POLI 221	Government and Politics of Africa	3
POLI 222	Government and Politics of Europe	3
POLI 223	Government and Politics of Asia	3
POLI 224	Government and Politics of the Middle East	3
POLI 226	Government and Politics of Central Asia	3
POLI 322*	Advanced Studies in European Politics	3
POLI 310*	Global Issues of Urgency	3
POLI 324*	International Relations of the Middle East	3
POLI 326*	International Relations of Central Asia	3
POLI 331*	United States Foreign Policy	3
POLI 334*	Issues of War and Peace	3
POLI 550*	United Nations Workshop	3
<i>Restricted elective: Select a minimum of three credits from the following seminar courses.</i>		
POLI 450*	Seminar in American Government	3
POLI 452*	Seminar in International Relations	3
POLI 453*	Seminar in Urban Government and Politics	3
POLI 454*	Seminar in Political Theory	3
POLI 456*	Seminar in the New World Order	3
<i>Electives: Select three credits from the remaining courses above and from the courses below.</i>		
POLI 100	Contemporary Political Issues	3
POLI 208	Research & Internet Methods in the Social Sciences	3
POLI 215	Women and the Law	3
POLI 254	Politics through Film	3
POLI 305	Cyber Politics	3
POLI 307*	International Law	3
POLI 313*	Civil Liberties in the United States	3
POLI 341	Political Science Fiction	3
POLI 346	Public Personnel Systems	3
POLI 491	Legal Writing	3
POLI 496	Legal Research	3
POLI 497	Legal Internship	3
POLI 498	Internship in Policy and Administration	3
SPFD X320	Seminar in Cooperative Education	3-6

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

## *Course Descriptions*

### **POLI 100 CONTEMPORARY POLITICAL ISSUES (3)**

This is an introduction to the major current political questions of the day, from international terrorism to affirmative action, and the means of analyzing the underlying principles which bring order to a hodgepodge of facts, claims, and counterclaims. Typical issues may include capital punishment, undocumented aliens, disarmament, the Central American question and human rights.

### **POLI 101 INTRODUCTION TO POLITICAL SCIENCE (3)**

This course is an introduction to the study of politics as a science through an examination of its content, methodologies, and its major sub-fields. It also examines and analyzes contrasting contemporary political ideologies.

### **POLI 102 U.S. POLITICS (3)**

How is American government and politics unique? How does the world's foremost democracy really work? Is "the System" basically fair? This introductory course imparts a basic understanding of the major functions and structures of politics and government in the United States with emphasis on the actual workings of government.

### **POLI 109 INTRODUCTION TO COMPARATIVE POLITICS (3)**

This is a study of major political systems in today's world with special emphasis on modernization and development problems.

### **POLI 110 INTRODUCTION TO WORLD POLITICS (3)**

Topics covered in this course include: an examination of the international political system in the post 9-11 world, approaches to national and international security, the nature and causes of global terrorism, theories of human rights, the nature of power, the causes of war, and theories of conflict resolution.

### **POLI 116 GOVERNMENT AND BUSINESS IN THE UNITED STATES (3)**

This course examines the structure and process of business-government relations in the United States and the attitudes which have affected their behavior toward one another. It also details how and why attitudes and policies are changing and the increasing interdependency of the private and public sectors in the American political system.

### **POLI 202: STATE AND LOCAL GOVERNMENT (3)**

This course analyzes the structure and political dynamic of State and Local Govern-

ment. Particular attention will be paid to the New Jersey governing system.

### **POLI 205 HISTORY OF POLITICAL THOUGHT (3)**

This course focuses on reading and discussion of selected works from both classical and modern political philosophy. The historical setting and significance of the works themselves are stressed.

### **POLI 207 THE UNITED NATIONS AND WORLD AFFAIRS (3)**

The role of the United Nations, regional, and international organizations in the contemporary world are the focus of this course. The history and usefulness of these organizations in the settlement of international conflicts and the functions of international law are also examined in light of the human quest for peace, justice and stability.

### **POLI 208 RESEARCH & INTERNET METHODS IN THE SOCIAL SCIENCES (3)**

This course introduces students to basic science research methodology using Internet techniques. It includes basic research techniques, evaluation of quantitative studies, and writing exercises about numerical data. Students investigate online data bases, conduct an Internet based literature review, and an online survey research project.

### **POLI 209 GOVERNMENT AND POLITICS OF SOUTH AMERICA (3)**

This is an introduction to government and politics of the nations of South America with an emphasis on characteristic - themes and issues such as, militarism, power contenders, revolt and revolution, the role of the Church, population growth and the international debt crisis.

### **POLI 210 GOVERNMENT AND POLITICS OF MEXICO AND THE CARIBBEAN (3)**

This course focuses on the nations of the Caribbean Basin, with emphasis on Mexico and the Spanish-speaking islands (Cuba, Dominican Republic, and Puerto Rico). Central America is also considered with emphasis on the long-range implications for United States policy.

### **POLI 212 INTRODUCTION TO PUBLIC POLICY ANALYSIS (3)**

This course examines several policy areas, including civil rights, energy, environment, and criminal justice. The course also examines the policy makers, the setting in which the policy is made, and the steps taken in the policy process.

### **POLI 213 URBAN POLITICS (3)**

This course examines the political history peculiar to American cities and its impact. It analyzes the fiscal problems faced by many

cities, states and the federal government, and recent efforts to improve urban life.

### **POLI 215 WOMEN AND THE LAW (3)**

Using court cases, this course examines current developments in American law regarding women's status and rights in the areas of employment, marriage and family, reproduction, sexuality and education.

### **POLI 220 CAMPAIGN 20XX (3)**

This course involves in-depth analysis of a contemporary political campaign in a current electoral cycle. It examines the participants (candidates, parties, interest groups, and media) and strategies (electoral, promotional, and advertising) involved in a specific campaign.

### **POLI 221 GOVERNMENT AND POLITICS OF AFRICA (3)**

This course is a survey of the sub-Saharan states, emphasizing problems of economic and political development.

### **POLI 222 GOVERNMENT AND POLITICS OF EUROPE (3)**

This course discusses political and economic developments of the new Europe since the collapse of the Berlin Wall. Particular attention is given to the structure and policies of the European Union.

### **POLI 223 GOVERNMENT AND POLITICS OF ASIA (3)**

Leadership, government, and politics in Indonesia, Japan, India, China, Burma and Southeast Asia are the topics explored in this course.

### **POLI 224 GOVERNMENT AND POLITICS OF THE MIDDLE EAST (3)**

This course explores the political dynamics of the Middle East. Particular attention is given to the historical/cultural context, the Israeli-Palestinian conflict, the politics of oil, and the role of political Islam in the region.

### **POLI 226 GOVERNMENT AND POLITICS OF CENTRAL ASIA (3)**

This course presents an overview of the politics and policies of the successor states to the Soviet Union with emphasis on their geostrategic importance and the role of political Islam.

### **POLI 254 POLITICS THROUGH FILM (3)**

This course focuses on the relationships between politics and the film industry, the portrayal of politics in feature films, and the impact on public opinion and perceptions. Class and contemporary films are viewed and analyzed from cinematic and political perspectives.

### **POLI 301 POLITICAL PARTIES AND ELECTIONS (3)**

This course analyzes the American party

system, particularly its organization and function within our political system and its effects upon the democratic process.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 304 MEDIA AND POLITICS (3)**

This course analyzes the role of the mass media in the formation of public opinion and its use by both the public and the elites in the policy making process. There is an emphasis on interrelationships among the elites, the masses, and the media which affect, and are affected by, both the public and the policymakers.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 305 CYBER POLITICS (3)**

This course explores the effects of the Internet on domestic and international relations. Topics include Internet campaigns and elections, e-democracy, civil liberties on the Internet, e-government, cyber-activism, "hacktivism," cyber-terrorism, and cyber-warfare.

**POLI 306 CONSTITUTIONAL LAW (3)**

This course examines the federal constitution, its organization and functions with emphasis on major judicial theories and the role of the Supreme Court using court cases.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 307 INTERNATIONAL LAW (3)**

This is an overview of the development of international law, the institutions involved, and landmark cases. It examines the role of the United Nations and the extent to which international law helps to guide and constrain behavior among the nations of the world.

*Prerequisite:* POLI 110 Introduction to World Politics or permission of Chair

**POLI 308 PRESIDENT AND CONGRESS (3)**

This course focuses on the making of national policy by the President and Congress with special attention to conflicts between the two branches. Topics such as the budget, foreign policy, and tax reform are stressed.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 310 GLOBAL ISSUES OF URGENCY (3)**

Selected topics in international relations will be analyzed and discussed in light of current events. These may include terrorism, refugees, environmental degradation and the weakening of the nation-state.

*Prerequisite:* POLI 110 Introduction to World Politics or permission of Chair

**POLI 311 JUDICIAL PROCESS AND POLICY (3)**

This course analyzes the structure and functions of the American judicial system with an emphasis on how courts work, how judges decide cases, and the political effects of judicial decision-making.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 313 CIVIL LIBERTIES IN THE UNITED STATES (3)**

This course analyzes the amendments to the federal constitution as they relate to the development of civil liberties in American society with an emphasis on the first, tenth, and fourteenth amendments.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 322 ADVANCED STUDIES IN EUROPEAN POLITICS (3)**

This course examines the regional politics of European governments. Selected topics include the future of European integration, the Balkan conflicts, and Europe's refugee problem.

*Prerequisite:* POLI 109 Introduction to Comparative Politics or permission of Chair

**POLI 324 INTERNATIONAL RELATIONS IN THE MIDDLE EAST (3)**

Topics covered in this course include the Arab/Israeli conflict, Iran and Iraq and the Persian Gulf, and United States policy toward the region.

*Prerequisite:* POLI 110 Introduction to World Politics or permission of Chair

**POLI 326 INTERNATIONAL RELATIONS IN CENTRAL ASIA (3)**

Topics covered in this course include the war in Afghanistan, the politics of oil, and the future of this critical area for the United States.

*Prerequisite:* POLI 110 Introduction to World Politics or permission of Chair

**POLI 331 UNITED STATES FOREIGN POLICY (3)**

Decision-making processes and contemporary United States foreign and defense policies, emphasizing major participants, underlying traditions, and principal concepts are discussed in this course. Past policies and current events are used to illustrate how foreign policy is made.

*Prerequisite:* POLI 102 U.S. Politics or POLI 110 Introduction to World Politics or permission of Chair

**POLI 334 ISSUES OF WAR AND PEACE (3)**

This course is an interdisciplinary and theoretical study of possible approaches to permanent peace and an examination of the

causes of war. Case studies are undertaken wherever appropriate.

*Prerequisite:* POLI 110 Introduction to World Politics or permission of Chair

**POLI 341 POLITICAL SCIENCE FICTION (3)**

This course studies science fiction to introduce and analyze such political concepts as power, authority, anarchy, leadership, elections, utopias, and the nature of the state. Among the writers included are LeGuin, Asimov, Heinlein, Niven, Ellison, and Orwell.

**POLI 346 PUBLIC PERSONNEL SYSTEMS (3)**

This course is a survey of the personnel functions in the public sector. It focuses on the issues of patronage, merit, recruitment, evaluation, public employee organizations and collective bargaining, and evolving theories of personnel management to improve public management.

**POLI 450 SEMINAR IN AMERICAN GOVERNMENT (3)**

This upper-level seminar offers an intensive study of selected topics in American government.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 452 SEMINAR IN INTERNATIONAL RELATIONS (3)**

This upper-level seminar offers an intensive study of the theory of International Relations.

*Prerequisite:* POLI 110 Introduction to World Politics or permission of Chair

**POLI 453 SEMINAR IN URBAN POLITICS (3)**

This upper-level seminar offers an intensive study of selected topics in Urban Politics.

*Prerequisite:* POLI 102 U.S. Politics or permission of Chair

**POLI 454 SEMINAR IN POLITICAL THEORY (3)**

This upper-level seminar offers an intensive look at selected topics of political theory.

*Prerequisite:* POLI 205 History of Political Thought or permission of Chair

**POLI 456 SEMINAR IN THE NEW WORLD ORDER (3)**

This upper-level seminar focuses on selected topics in the post-September 11 New World Order.

*Prerequisite:* POLI 110 Introduction to World Politics or permission of Chair

**POLI 491 LEGAL WRITING (3)**

Students learn research and writing methods specific to the legal process, including applying the law to real and hypothetical situations. Students develop legal reason-

ing skills by analyzing legislation, debating legal issues, and assessing case law. Students organize and formulate two types of legal writing: a motion and a memorandum.

**POLI 496 LEGAL RESEARCH (3)**

This workshop is for pre-law students and introduces skills needed for law school and legal work, such as: briefing cases, using legal sources and documents, and writing memoranda.

**POLI 497 LEGAL INTERNSHIP (3)**

Students are placed 10 hours each week in a law office or legal agency to work as assistants to lawyers. This internship is supervised by a faculty member trained in law. Positions are available each semester.

*Prerequisites:* Upper-level status and permission of Chair

**POLI 498 INTERNSHIP IN POLICY AND ADMINISTRATION (3)**

Students work 10 hours each week with a local government agency or community group. This experience is discussed and evaluated on an individual basis with faculty advisors. Positions are available each semester.

**POLI 550 UNITED NATIONS WORKSHOP (3)**

*Please refer to the Graduate Catalog for course description.*

## PRE-LAW STUDIES

Karnoutsos Hall, Rm. 640  
201-200-3231

**Prof. Louise Stanton, Faculty Advisor**  
lstanton@njcu.edu

Hosted by the Political Science Department, the Pre-Law minor is an interdisciplinary program designed to enable students to develop essential skills for the study and practice of law. It is a rigorous program of study intended to introduce students to broad areas of law, the institutions of law making, and to developing the critical-thinking and analytical skills to succeed.

Law schools accept students with any major, and the Pre-Law minor is open to students from any major. The Pre-Law minor is an appropriate complement to any major and strengthens students' preparation for

studying and working in law. Political Science majors may apply all political science courses in the Pre-Law program to their major program as well. Students interested in law school or graduate school in a related field, regardless of whether they are Pre-Law minors, should contact the Pre-Law Faculty Advisor for assistance in preparing to apply to law or graduate school.

Minor in Pre-Law Studies, p. 203

**Minor in Pre-Law**  
**(MINIMUM 18 CREDITS)**

Students who minor in Pre-Law must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. Please see the appropriate departmental listings for course descriptions, prerequisites and corequisites.

Course Code	Course Title	Credits
<i>Required</i>		
POLI 102 <sup>1</sup>	U.S. Politics	3
POLI 311	Judicial Process & Policymaking	3
POLI 496	Legal Research	3
<i>Restricted elective: Select a minimum of three credits from the following courses without Political Science prerequisites.</i>		
POLI 215	Women and the Law	3
POLI 307	International Law	3
CJ 225	Criminal Law	3
CJ 340	Criminal Evidence	3
CJ 325	Criminal Procedure	3
<i>Restricted elective: Select a minimum of three credits from the following courses with Political Science prerequisites.</i>		
POLI 306*	Constitutional Law	3
POLI 313*	Civil Liberties	3
POLI 491*	Legal Writing	3
<i>Restricted elective: Select a minimum of three credits from courses that emphasize critical thinking, reading and/or writing skills in consultation with the Pre-Law Faculty Advisor. Suggested courses follow.</i>		
SOCI 341	Law and Social Values	3
SOCI 368	Sociology of Law	3
ECON 368	Business and Government	3
ENGL 372	Advanced Expository Writing	3
ENGL 391	Persuasive Writing	3
ENGL 401	Introduction to Debate	3
HIST 209	History of Punishment	3
PHIL 103 <sup>1</sup>	Ethics: Contemporary Moral Issues	3
PHIL 308	Political and Social Philosophy	3

*Note:* <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

# PSYCHOLOGY

Science Building, Rm. 431  
201-200-3062  
<http://web.njcu.edu/dept/psychology>

**Dr. David Hallerman, Chairperson**  
[dhallerman@njcu.edu](mailto:dhallerman@njcu.edu)

**Professors: Bailey, Getzfield, Hallerman,  
Hurley, LaMar, Lennon, Lynn**  
**Associate Professors: Dow-Nelson,  
Tomasulo, Wattenmaker**

Faculty members of the Psychology Department are involved in a number of research projects supported by grants and other related sources. Students are given opportunities to collaborate with faculty members on research projects. The Department hosts an active psychology club and a chapter of the Psy Chi Honor Society.

The Psychology Department offers a single degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

Bachelor of Arts in Psychology, p. 204  
Minor in Psychology, p. 205

## ***Bachelor of Arts in Psychology*** **(MINIMUM 36 CREDITS)**

Completion of this major prepares one for a career as a child care worker, assistant mental health worker, health care worker, or research assistant. Continued study may include a master's degree in psychology or social work or a doctorate in psychology.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.5 and completion of the degree track's required courses. Course requirements for the completion of the major are listed below. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
PSYC 110 <sup>1</sup>	Introduction to Psychology	3
PSYC 230* <sup>1</sup>	Statistics for the Social Sciences	3
PSYC 235*	Experimental Psychology	4
PSYC 336*	Senior Research Seminar	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
PSYC 150 <sup>1</sup>	Developmental: Birth to Adolescence	3
PSYC 152 <sup>1</sup>	Developmental: Adolescence to Adulthood	3
PSYC 160 <sup>1</sup>	Social Psychology	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
PSYC 340*	Physiological Psychology	3
PSYC 341*	Perception	3
PSYC 343*	Learning	3
PSYC 344*	Cognitive Psychology	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
PSYC 345*	Personality Theory	3
PSYC 350*	Advanced Developmental Psychology	3
PSYC 360*	Advanced Social Psychology	3
<i>Restricted elective: Select a minimum of three credits from the following courses.</i>		
PSYC 330*	Tests and Measurements	3
PSYC 410*	Advanced General Psychology	3
PSYC 412*	History and Systems in Psychology	3
PSYC 414*	Contemporary Issues in Psychology	3
<i>Restricted electives: Select a minimum of three credits from the following courses.</i>		
PSYC 300*	Psychopathology of Childhood and Adolescence	3
PSYC 301*	Abnormal Psychology	3
PSYC 370*	Techniques of Behavior Management	3
PSYC 372*	Introduction to Counseling	3
PSYC 427*	Seminar: Clinical	3

*Restricted electives: Select a minimum of eight credits from Psychology courses numbered 300 or higher.*

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.



**Minor in Psychology  
(MINIMUM 36 CREDITS)**

Students minor in psychology by completing the following requirements. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
PSYC 110 <sup>1</sup>	Introduction to Psychology	3
PSYC 230 <sup>*,1</sup>	Statistics for Social Sciences	3
PSYC 235 <sup>*</sup>	Experimental Psychology	4
<i>Restricted electives: Select a minimum of three credits from four of the following groups of Psychology courses.</i>		
PSYC 150 <sup>1</sup>	Developmental: Birth to Adolescence	3
PSYC 152 <sup>1</sup>	Developmental: Adolescence to Adulthood	3
PSYC 160 <sup>1</sup>	Social Psychology	3
PSYC 340 <sup>*</sup>	Physiological Psychology	3
PSYC 341 <sup>*</sup>	Perception	3
PSYC 343 <sup>*</sup>	Learning	3
PSYC 344 <sup>*</sup>	Cognitive Psychology	3
PSYC 345 <sup>*</sup>	Personality Theory	3
PSYC 350 <sup>*</sup>	Advanced Developmental Psychology	3
PSYC 360 <sup>*</sup>	Advanced Social Psychology	3
PSYC 330 <sup>*</sup>	Tests and Measurements	3
PSYC 370 <sup>*</sup>	Techniques of Behavior Management	3
PSYC 410 <sup>*</sup>	Advanced General Psychology	3
PSYC 412 <sup>*</sup>	History and Systems in Psychology	3
PSYC 414 <sup>*</sup>	Contemporary Issues in Psychology	3
PSYC 300 <sup>*</sup>	Psychopathology of Childhood and Adolescence	3
PSYC 301 <sup>*</sup>	Abnormal Psychology	3
PSYC 372 <sup>*</sup>	Introduction to Counseling	3
PSYC 427 <sup>*</sup>	Seminar: Clinical	3

*Restricted electives: Select a minimum of two credits from Psychology courses numbered 300 or higher.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

**Course Descriptions**

**PSYC 100 PSYCHOLOGY OF SELF DEVELOPMENT (3)**

This course emphasizes greater self-awareness, self development and personal growth through the study of personality and the coping mechanisms necessary for adjustment to everyday stresses and frustrations.

**PSYC 110 INTRODUCTION TO PSYCHOLOGY (3)**

This course provides a general survey of psychological theories, principles, and research. Topics include: biological foundations of behavior, sensation, perception, learning, personality theory, and social psychology.

**PSYC 150 DEVELOPMENTAL: BIRTH THROUGH ADOLESCENCE (3)**

This course provides a general survey of behavior from birth through childhood, with emphasis on the effects of heredity and experience on human growth. The physical, social and emotional development of the child are among the areas investigated.

**PSYC 152 DEVELOPMENTAL: ADOLESCENCE THROUGH ADULTHOOD (3)**

This course provides a general survey of behavior during preadolescence, adolescence, adulthood and senescence, with emphasis given to the biological, social, and emotional changes that occur during these developmental periods.

**PSYC 160 SOCIAL PSYCHOLOGY (3)**

This course offers an introduction to the scientific study of interpersonal and intergroup interaction. Emphasis is placed on topics such as attitude formation and change, interpersonal attraction, conformity, and aggression.

**PSYC 165 PSYCHOLOGY OF THE BLACK EXPERIENCE (3)**

This course offers students an opportunity to explore psychological issues relevant to the Black experience in America, while attempting to determine which social and psychological variables are of major consequence to African Americans and other ethnic groups.

**PSYC 210 PSYCHOLOGY OF WOMEN (3)**

This course examines sex roles, sexual stereotypes, and gender differences and similarities. Empirical and personal data are regarded when considering topics such as menstruation, pregnancy, achievement, and the experience of being female.

**Prerequisite:** Any 100-level psychology course

**PSYC 220 SPECIAL TOPICS (3)**

This course provides an opportunity to explore topics of particular interest such as the psychology of gambling, conflict resolution, and effective leadership. Specific information is available in the Psychology Department during the registration period in which the Special Topic is being offered.

**Prerequisites:** PSYC 110 Introduction to Psychology and PSYC 230 Statistics in the Social Sciences

**PSYC 230 STATISTICS IN THE SOCIAL SCIENCES (3)**

This course offers students an introduction to the quantitative methods necessary to conduct elementary scientific research. Both descriptive and inferential statistics are covered including measures of central tendency, t-test, correlation, and non-parametric methods.

**Prerequisites:** MATH 112 Intermediate Algebra (or higher level math) and PSYC 110 Introduction to Psychology

**PSYC 235 EXPERIMENTAL PSYCHOLOGY (4)**

This course is an introduction to scientific methodology and experimental techniques used to study areas such as sensation, perception, motivation, learning, and complex cognitive processes. Methods of control, threats to validity, and interpretation of research findings are considered.

**Prerequisite:** PSYC 230 Statistics in the Social Sciences

**PSYC 270 SENSITIVITY TRAINING (3)**

This training experience utilizes a face-to-face, largely unstructured group as the primary vehicle for learning. Participants experience a set of planned activities involving interactions between individuals and groups. Discussion and feedback follows.

*Prerequisites:* PSYC 100 Psychology of Self Development or PSYC 110 Introduction to Psychology

**PSYC 300 PSYCHOPATHOLOGY OF CHILDHOOD AND ADOLESCENCE (3)**

This course focuses on abnormal behavior in childhood and adolescence. Basic types of malfunctioning are considered including those related to psychological, physiological, and social conditions.

*Prerequisites:* PSYC 150 Developmental: Birth through Adolescence or PSYC 152 Developmental: Adolescence and Adulthood and 3 credits in psychology

**PSYC 301 ABNORMAL PSYCHOLOGY (3)**

This course is a systematic presentation of the psychology of abnormal behavior. Consideration is given to the history of the mental health movement and to the causes, classification, and treatment of mental disorders.

*Prerequisite:* PSYC 110 Introduction to Psychology

**PSYC 315 DRUG AND ALCOHOL ABUSE COUNSELING I (3)**

This course is the first part of a two-semester course focusing on the treatment of individuals with substance abuse problems. Specifically, this course addresses the following issues: assessment of alcohol/drug problem utilizing the Addiction Severity Index and genogram; clinical aspects of alcohol, and commonly abused drugs including marijuana, cocaine, heroin and inhalants; and major theories of addiction.

**PSYC 317 DRUG AND ALCOHOL ABUSE COUNSELING II (3)**

This course is the second part of a two-semester course focusing on the treatment of individuals with substance abuse problems. Specifically, this course will focus on the theories, techniques and application of individual, group and family therapies in the treatment of alcohol/drug abuse; self-help groups; and current treatment settings.

*Prerequisite:* Drug and Alcohol Abuse Counseling I

**PSYC 330 TESTS AND MEASUREMENTS (3)**

By administering and taking a battery of standardized psychological tests, the student in this course acquires an understanding of

the most commonly used group achievement, intelligence, aptitude, personality and interests tests. The statistical basis of testing is also considered.

*Prerequisite:* PSYC 230 Statistics in the Social Science

**PSYC 336 SENIOR RESEARCH SEMINAR (3)**

This course offers students a further introduction to the scientific method and the basic research techniques used in the social sciences. Students learn to conduct survey research and design experimental and quasi-experimental studies.

*Prerequisites:* PSYC 235 Experimental Psychology and senior student status

**PSYC 340 PHYSIOLOGICAL PSYCHOLOGY (3)**

This course provides an extensive study of the nervous and endocrine system, and the neuro-physiological foundations of perception, motivation, learning and cognitive processes. Special attention is paid to split-brain research.

*Prerequisite:* PSYC 235 Experimental Psychology

**PSYC 341 PERCEPTION (3)**

This course acquaints the student with the major positions in perception through lecture and demonstration. It deals with the means by which complex forms of audio and visual stimuli are organized and the neurophysiology of sensation.

*Prerequisite:* PSYC 235 Experimental Psychology

**PSYC 342 MOTIVATION (3)**

This course deals with an integrated and systematic presentation of traditional and contemporary motivational theories and research. Motivational constructs are used to enhance student understanding of areas such as learning, aggression, and sexuality.

*Prerequisite:* PSYC 235 Experimental Psychology

**PSYC 343 LEARNING (3)**

This course is a systematic presentation of theories and research pertaining to human and animal learning. Special attention is paid to the principles of conditioning and the integration of behavioral, psychophysiological, comparative, and developmental data on learning.

*Prerequisite:* PSYC 235 Experimental Psychology

**PSYC 344 COGNITIVE PSYCHOLOGY (3)**

This course presents the psychological theories and research pertaining to thinking and other complex cognitive processes. Focus is placed on all forms of knowing:

attending, remembering, reasoning, imagining, planning, problem solving, decision-making, and communicating ideas. Factors with affect encoding, storage, retrieval, and processing within these forms of knowing are discussed.

*Prerequisite:* PSYC 235 Experimental Psychology

**PSYC 345 PERSONALITY THEORY (3)**

This course offers a challenging investigation of personality development gained through the examination of the major psychoanalytic, behavioral, social psychological, and existential theories of personality.

*Prerequisites:* 9 credits in psychology

**PSYC 350 ADVANCED DEVELOPMENTAL PSYCHOLOGY (3)**

This course is designed to build on the basic concepts of developmental psychology by examination and integration of personality, social, and cognitive psychology from the developmental perspective.

*Prerequisites:* PSYC 150 Developmental: Birth through Adolescence or PSYC 152 Developmental: Adolescence and Adulthood and 6 credits in psychology.

**PSYC 360 ADVANCED SOCIAL PSYCHOLOGY (3)**

This course offers an advanced treatment of social psychological theories and research techniques. Traditional areas in social psychology are explored. The course emphasizes the design and evaluation of social psychological solutions to social problems.

*Prerequisites:* PSYC 160 Social Psychology and 3 credits in psychology

**PSYC 370 TECHNIQUES OF BEHAVIOR MANAGEMENT (3)**

This course provides a survey of learning-based approaches to behavior management and change. The course covers principles of conditioning, social reinforcement, and token economies. Application of behavior control techniques in institutional settings is also considered. A field experience may be offered.

*Prerequisite:* PSYC 235 Experimental Psychology

**PSYC 372 INTRODUCTION TO COUNSELING (3)**

This course is based on discussions of theories and techniques of counseling with an emphasis on developing listening, attending, and observational skills.

*Prerequisites:* PSYC 110 Introduction to Psychology and 6 credits in psychology

**PSYC 376 GROUP DYNAMICS (3)**

This course is a study of interpersonal behavior and group processes using the hu-

man relations laboratory approach. Students learn about themselves and others through direct participation, discussion and evaluation within the group setting.

*Prerequisites:* PSYC 110 Introduction to Psychology and an upper level course in psychology

**PSYC 380 INDUSTRIAL PSYCHOLOGY (3)**

This course offers a survey of the scientific literature concerned with the application and evaluation of the methods and findings of psychology to the solution of industrial problems. Areas of concern include personnel practices and employee morale.

*Prerequisite:* PSYC 235 Experimental Psychology or permission of the instructor

**PSYC 382 ORGANIZATIONAL/ PERSONNEL PSYCHOLOGY (3)**

This course is a survey of the application of psychology to problems regarding the acquisition, development, motivation, and maintenance of corporate personnel. Special attention is paid to employee training, management development, career development, and performance appraisal.

*Prerequisite:* PSYC 235 Experimental Psychology or permission of the instructor

**PSYC 398 CREATIVITY (3)**

This course is designed to create an awareness of the psychological aspects of creativity as expressed in various visual forms. Students participate in group activities utilizing numerous materials. Creativity is also stimulated through the use of films and slides.

*Prerequisite:* 6 credits in psychology

**PSYC 410 ADVANCED GENERAL PSYCHOLOGY (3)**

This course is an in-depth critical consideration of the most significant concepts, principles, theories, methodologies, issues, and insights in the field of psychology.

*Prerequisites:* PSYC 110 Introduction to Psychology and six credits in psychology or PSYC 110 Introduction to Psychology and permission of the instructor

**PSYC 412 HISTORY AND SYSTEMS IN PSYCHOLOGY (3)**

This course is a study of the evolution of psychology as it developed from its early philosophical roots to its present status as a science. The contributions of a variety of systems and theories are included.

*Prerequisite:* PSYC 235 Experimental Psychology

**PSYC 414 CONTEMPORARY ISSUES IN PSYCHOLOGY (3)**

This course aims to clarify some of the basic issues regarding the nature of psychology.

Psychology's empirical methodology and criteria for truth and ethics regarding the application of psychological knowledge are discussed.

*Prerequisite:* PSYC 235 Experimental Psychology or permission of the instructor

**PSYC 420 SEMINAR:**

**HONORS RESEARCH (3)**

This seminar provides a group of advanced students with the opportunity to intensively explore a topic of special interest. Emphasis is placed on the production and critical evaluation of student papers.

*Prerequisites:* Permission of instructor and appropriate 300 level courses

**PSYC 421 SEMINAR (3)**

This seminar provides a group of advanced students with the opportunity to intensively explore a topic of special interest. Emphasis is placed on the production and critical evaluation of student papers.

*Prerequisites:* Permission of instructor and appropriate 300 level courses

**PSYC 427 SEMINAR: CLINICAL (3)**

This seminar deals with an elaboration and integration of the knowledge and skills encompassed in the sequence of courses required for the Mental Health Specialization. Through class discussion and fieldwork, students are exposed to the issues and skills required for a professional career in mental health.

*Prerequisite:* PSYC 372 Introduction to Counseling

**PSYC 433 INDEPENDENT STUDY (1-3)**

This course is designed to give the student an opportunity to do in-depth readings in an area of psychology. The student works in close collaboration with a professor.

*Prerequisites:* PSYC 235 Experimental Psychology, appropriate upper level psychology courses, and a minimum 3.0 grade point average

**PSYC 438 INDEPENDENT RESEARCH (1-3)**

This course is designed to give the student an opportunity to conduct an original research project in an area of psychology. The student works in close collaboration with a professor and department guidelines.

*Prerequisites:* Permission of instructor, appropriate upper level courses

**PSYC 472 ADVANCED COUNSELING (3)**

This course presents an opportunity to further develop the counseling skills of listening, observing and attending, in addition to learning more advanced helping skills (e.g., focusing).

*Prerequisite:* PSYC 372 Introduction to Counseling.

**PSYC 480 FIELD EXPERIENCE: MENTAL HEALTH (3)**

This course offers practical supervised experience in an urban agency, institution, or organization. Placements have been selected to provide students with the best available opportunity to master, integrate, and apply concepts that have been learned in other courses.

*Prerequisite:* PSYC 372 Introduction to Counseling

**PSYC 485 INTERNSHIP: DEVELOPMENTAL (3)**

This course offers practical supervised experience in an urban agency, institution, or organization. Placements have been selected to provide students with the best available opportunity to master integrate, and apply concepts that have been learned in other courses.

*Prerequisite:* PSYC 350 Advanced Developmental Psychology or permission of instructor

**PSYC 488 INTERNSHIP: INDUSTRIAL (3)**

This course offers practical supervised experience in an urban agency, institution, or organization. Placements have been selected to provide students with the best available opportunity to master, integrate, and apply concepts that have been learned in other courses.

*Prerequisite:* PSYC 380 Industrial Psychology

## SOCIOLOGY AND ANTHROPOLOGY

Rossey Hall, Rm. 539  
201-200-3261

**Dr. Godwin Ohiwerei, Chairperson**  
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**Professors: DeBrizzi, Feldman, Ohiwerei,  
Slade**

**Associate Professors: Andes, Good**

**Assistant Professors: Herman, Roberts**

The Sociology and Anthropology Department offers a variety of degree tracks. Requirements for admission, fields of employment, continued areas of education, course requirements, and degree requirements are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

Bachelor of Arts in Sociology—Crime and Social Behavior, p. 208

Bachelor of Arts in Sociology—Family, Health and Youth Services, p. 209

Bachelor of Arts in Sociology—Human Services in Aging, p. 211

Bachelor of Arts in Sociology—Liberal Arts/Graduate School Preparation, p. 211

Minor in Anthropology, p. 212

Minor in Human Services in Aging, p. 213

Minor in Sociology, p. 213

### ***Bachelor of Arts in Sociology—Crime and Social Behavior*** **(MINIMUM 39 CREDITS)**

Completion of this major prepares one for a career as a probation officer, police officer trainee, investigator, prison guard, or parole officer. Continued study may include a master's degree in law enforcement or a master's and doctorate in sociology or social work.

The requirement for admission to this degree track is a 2.5 cumulative grade point average (CGPA).

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisite and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
SOCI 111 <sup>1</sup>	Principles of Sociology	3
SOCI 113 <sup>1</sup>	Social Problems	3
SOCI 255	Juvenile Delinquency	3
SOCI 266	Criminology	3
SOCI 344	Social Change	3
SOCI 346	Social Structure and Personality	3
SOCI 360*	Sociological Research Methods	3
SOCI 421*	Development of Sociological Theory	3
SOCI 442	Basic Statistics for Sociology	3
SOCI 443*	Field Internship	3
<i>Restricted electives: Select a minimum of three credits from the following courses.</i>		
SOCI 115	Introduction to Anthropology	3
SOCI 141 <sup>1</sup>	Cultural Anthropology	3
SOCI 247	Native Americans	3
SOCI 248	Human Origins	3
SOCI 250	Peasant Cultures: Our Ethnic Roots	3
<i>Electives: Select a minimum of six credits from the following courses.</i>		
SOCI 112	Analysis of Social Institutions	3
SOCI 114 <sup>1</sup>	Sociology of the Family	3
SOCI 115	Introduction to Anthropology	3
SOCI 120	Introduction to Aging Studies	3
SOCI 141 <sup>1</sup>	Cultural Anthropology	3
SOCI 200	Field Internship in Aging	3
SOCI 201	Women and Family in Different Cultures	3
SOCI 204	Creative Knowing: A Function of Storytelling	3
SOCI 205	Life in Society	3
SOCI 210	Future Society	3
SOCI 221	Human Services for the Aged	3
SOCI 225 <sup>1</sup>	Class, Status and Power	3
SOCI 232	Sociology of the Aging	3
SOCI 233	Introduction to Social Work	3
SOCI 235	Labor and Society	3
SOCI 241	Workshop on Aging	3
SOCI 243	Death and Dying	3
SOCI 244	Ethnic Families in America	3
SOCI 245	Sociology of Religion	3
SOCI 246	Sociology of Education	3
SOCI 247	Native Americans	3
SOCI 248	Human Origins	3
SOCI 249	China: Today	3
SOCI 250	Peasant Cultures: Our Ethnic Roots	3
SOCI 251	Appalachian Field Study 3	3

*(Continued on next page)*

Course Code	Course Title	Credits
SOCI 252	The Study of the Origins of Civilization	3
SOCI 253	Visual Sociology	3
SOCI 254	Urban Sociology	3
SOCI 257	Comparative Cultures	3
SOCI 258	Contemporary Russia: Society and Social Problems	3
SOCI 259	Community Organization: Theory and Practice	3
SOCI 265	Racial and Cultural Minorities	3
SOCI 272	Field Experiences in Social Problems	3
SOCI 310	Basic Interviewing Skills	3
SOCI 340	Political Sociology	3
SOCI 341	Law and Social Values	3
SOCI 343	Population Studies	3
SOCI 345	Professorial Assistant	3
SOCI 346	Social Structure and Personality	3
SOCI 351	Sociology of Law	3
SOCI 355	Cooperative Education Job Placement and Seminar	3
SOCI 451*	OAS Model Assembly: Seminar	3
SOCI 452*	OAS Model Assembly: Field Experience	3

*Notes:* <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

***Bachelor of Arts in Sociology—  
Family, Health and Youth Services***  
(MINIMUM 42 CREDITS)

Completion of this major prepares one for a position in family service agencies, children and youth service agencies, homeless shelters, child and adult day care centers, or domestic violence programs. Continued study may include a master’s degree in social work, counseling or psychology.

The requirement for admission to this degree track is a 2.5 cumulative grade point average (CGPA).

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisite and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
SOCI 111 <sup>1</sup>	Principles of Sociology	3
SOCI 113 <sup>1</sup>	Social Problems	3
SOCI 114 <sup>1</sup>	Sociology of the Family	3
SOCI 244	Ethnic Families in America	3
SOCI 254	Urban Sociology	3
SOCI 255	Juvenile Delinquency	3
SOCI 262	Health, Illness and Society	3
SOCI 360*	Sociological Research Methods	3
SOCI 421*	Development of Sociological Theory	3
SOCI 442	Basic Statistics for Sociology	3
SOCI 443*	Field Internship	3

*Restricted electives: Select three credits from the following courses.*

SOCI 115	Introduction to Anthropology	3
SOCI 141 <sup>1</sup>	Cultural Anthropology	3
SOCI 247	Native Americans	3
SOCI 248	Human Origins	3
SOCI 250	Peasant Cultures: Our Ethnic Roots	3

***(Continued on next page)***

Course Code	Course Title	Credits
<i>Electives: Select six credits from the following courses.</i>		
SOCI 112	Analysis of Social Institutions	3
SOCI 114 <sup>1</sup>	Sociology of the Family	3
SOCI 115	Introduction to Anthropology	3
SOCI 120	Introduction to Aging Studies	3
SOCI 141	Cultural Anthropology	3
SOCI 200	Field Internship in Aging	3
SOCI 201	Women and Family in Different Cultures	3
SOCI 204	Creative Knowing: A Function of Storytelling	3
SOCI 205	Life in Society	3
SOCI 210	Future Society	3
SOCI 221	Human Services for the Aged	3
SOCI 225 <sup>1</sup>	Class, Status and Power	3
SOCI 232	Sociology of the Aging	3
SOCI 233	Introduction to Social Work	3
SOCI 235	Labor and Society	3
SOCI 241	Workshop on Aging	3
SOCI 243	Death and Dying	3
SOCI 245	Sociology of Religion	3
SOCI 246	Sociology of Education	3
SOCI 247	Native Americans	3
SOCI 248	Human Origins	3
SOCI 249	China Today	3
SOCI 250	Peasant Cultures: Our Ethnic Roots	3
SOCI 251	Appalachian Field Study	3
SOCI 252	The Study of the Origins of Civilization	3
SOCI 253	Visual Sociology	3
SOCI 254	Urban Sociology	3
SOCI 257	Comparative Cultures	3
SOCI 258	Contemporary Russia: Society and Social Problems	3
SOCI 259	Community Organization: Theory and Practice	3
SOCI 265	Racial and Cultural Minorities	3
SOCI 266	Criminology	3
SOCI 272	Field Experiences in Social Problems	3
SOCI 310	Basic Interviewing Skills	3
SOCI 340	Political Sociology	3
SOCI 341	Law and Social Values	3
SOCI 343	Population Studies	3
SOCI 344	Social Change	3
SOCI 345	Professorial Assistant	3
SOCI 346	Social Structure and Personality	3
SOCI 351	Sociology of Law	3
SOCI 355	Cooperative Education Job Placement and Seminar	3
SOCI 451*	OAS Model Assembly: Seminar	3
SOCI 452*	OAS Model Assembly: Field Experience	3

**Notes:** <sup>1</sup>General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

**Bachelor of Arts in Sociology—  
Human Services in Aging**

Consult the department for the requirements of this degree track.

**Bachelor of Arts in Sociology—  
Liberal Arts/Graduate School  
Preparation**

**(MINIMUM 42 CREDITS)**

Completion of this major prepares one for a career as a market researcher, survey statistician, mental health aide, probation officer, or caseworker. Continued study may include a master's and doctorate in sociology, social work, or law.

The requirement for admission to this degree track is a 2.5 cumulative grade point average (CGPA).

Course requirements for the completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisite and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
SOCI 111 <sup>1</sup>	Principles of Sociology	3
SOCI 113 <sup>1</sup>	Social Problems	3
SOCI 360*	Sociological Research Methods	3
SOCI 421*	Development of Sociological Theory	3
SOCI 442	Basic Statistics for Sociology	3
SOCI 443*	Field Internship	3
<i>Restricted electives: Select three credits from the following courses.</i>		
SOCI 115	Introduction to Anthropology	3
SOCI 141 <sup>1</sup>	Cultural Anthropology	3
SOCI 247	Native Americans	3
SOCI 248	Human Origins	3
SOCI 250	Peasant Cultures: Our Ethnic Roots	3
<i>Restricted electives: Select 15 credits from the following courses.</i>		
SOCI 210	Future Society	3
SOCI 225 <sup>1</sup>	Class, Status and Power	3
SOCI 235	Labor and Society	3
SOCI 254	Urban Sociology	3
SOCI 255	Juvenile Delinquency	3
SOCI 257	Comparative Cultures	3
SOCI 266	Criminology	3
SOCI 340	Political Sociology	3
SOCI 341	Law and Social Values	3
SOCI 343	Population Studies	3
SOCI 344	Social Change	3
SOCI 346	Social Structure and Personality	3
<i>Electives: Select six credits from the following courses.</i>		
SOCI 112	Analysis of Social Institutions	3
SOCI 114 <sup>1</sup>	Sociology of the Family	3
SOCI 115	Introduction to Anthropology	3
SOCI 120	Introduction to Aging Studies	3
SOCI 141	Cultural Anthropology	3
SOCI 200	Field Internship in Aging	3
SOCI 201	Women and Family in Different Cultures	3
SOCI 204	Creative Knowing: A Function of Storytelling	3
SOCI 205	Life in Society	3
SOCI 210	Future Society	3
SOCI 221	Human Services for the Aged	3
SOCI 232	Sociology of the Aging	3
SOCI 233	Introduction to Social Work	3
SOCI 235	Labor and Society	3
SOCI 241	Workshop on Aging	3
SOCI 243	Death and Dying	3
SOCI 244	Ethnic Families in America	3
SOCI 245	Sociology of Religion	3
SOCI 246	Sociology of Education	3
SOCI 247	Native Americans	3
SOCI 248	Human Origins	3
SOCI 249	China: Today	3
SOCI 250	Peasant Cultures: Our Ethnic Roots	3
SOCI 251	Appalachian Field Study	3
SOCI 252	The Study of the Origins of Civilization	3
SOCI 253	Visual Sociology	3
SOCI 254	Urban Sociology	3
SOCI 255	Juvenile Delinquency	3
SOCI 257	Comparative Cultures	3
SOCI 258	Contemporary Russia: Society and Social Problems	3
SOCI 259	Community Organization: Theory and Practice	3

*(Continued on next page)*

Course Code	Course Title	Credits
SOCI 262	Health, Illness and Society	3
SOCI 265	Racial and Cultural Minorities	3
SOCI 266	Criminology	3
SOCI 272	Field Experiences in Social Problems	3
SOCI 310	Basic Interviewing Skills	3
SOCI 340	Political Sociology	3
SOCI 341	Law and Social Values	3
SOCI 343	Population Studies	3
SOCI 344	Social Change	3
SOCI 345	Professorial Assistant	3
SOCI 346	Social Structure and Personality	3
SOCI 351	Sociology of Law	3
SOCI 355	Cooperative Education Job Placement and Seminar	3
SOCI 451*	OAS Model Assembly: Seminar	3
SOCI 452*	OAS Model Assembly: Field Experience	3

*Notes:* <sup>1</sup> General Studies Program elective courses that do not count toward General Studies Program requirements unless all major program requirements are otherwise fulfilled.

### ***Minor in Anthropology***

#### **(MINIMUM 24 CREDITS)**

Students who minor in Anthropology must complete the following requirements.

Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
SOCI 115	Introduction to Anthropology	3
SOCI 141 <sup>1</sup>	Cultural Anthropology	3
SOCI 248	Human Origins	3
SOCI 300	Interpreting Cultures	3
<i>Restricted electives: Select nine credits from the following courses.</i>		
SOCI 201	Women and Family in Different Cultures	3
SOCI 203	Native Peoples of South America	3
SOCI 247	Native Americans	3
SOCI 249	China: Today	3
SOCI 250	Peasant Cultures: Our Ethnic Roots	3
SOCI 252	The Study of the Origins of Civilization	3
SOCI 256	Indian Society in Transition	3
SOCI 257	Comparative Cultures	3
SOCI 261	African Cultural Influences in the New World	3
SOCI 264	Tradition and Change in Non-Industrial Nations	3
<i>Restricted electives: Select three credits from the courses below.</i>		
BIOL 104	The Human Body	3
ART 108	African and African American Art	3
ART 268	Pre-Columbian Art	3
ART 269	Asian Art	3
GEOG 112 <sup>1</sup>	Cultural Geography of the Developing World	3
GEOG 214	Indians of the Southwest	3
LATI 201 <sup>1</sup>	Peoples and Cultures of the Caribbean	3

*Notes:* <sup>1</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."



**Minor in Human Services in Aging**

(MINIMUM 27 CREDITS)

Students minor in Human Services in Aging must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
SOCI 120	Introduction to Aging Studies	3
SOCI 200	Field Internship in Aging	3
SOCI 221	Human Services for the Aged	3
SOCI 232	Sociology of the Aging	3
<i>Restricted electives: Select 12 credits from the courses below.</i>		
SOCI 114 <sup>1</sup>	Sociology of the Family	3
SOCI 234	Social Welfare Policy and Services	3
SOCI 243	Death and Dying	3
SOCI 262	Health, Illness and Society	3
SOCI 343	Social Structure and Personality	3
<i>Restricted electives: Select three credits from the courses below.</i>		
WGST 203	Growing Older: Women at Mid-Life & After	3
BIOL 208	Biological Aspects of Aging	3
PSYC 250*	Aging and Human Behavior	3

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Minor in Sociology**

(MINIMUM 24 CREDITS)

Students who minor in Sociology must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
SOCI 111 <sup>1</sup>	Principles of Sociology	3
SOCI 113 <sup>1</sup>	Social Problems	3
SOCI 360*	Sociological Research Methods	3
SOCI 421*	Development of Sociological Theory	3
<i>Restricted electives: Select three credits from the courses below.</i>		
SOCI 115	Introduction to Anthropology	3
SOCI 141 <sup>1</sup>	Cultural Anthropology	3

*Electives: Select nine credits from Sociology & Anthropology courses with the guidance of a faculty advisor.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Course Descriptions**

**SOCI 111 PRINCIPLES OF SOCIOLOGY (3)**

This basic course introduces the student to the major concepts, methods, research findings, and theoretical approaches of sociology. The course deals with social organization, functioning, and change.

**SOCI 112 ANALYSIS OF SOCIAL INSTITUTIONS (3)**

Students learn a sociological approach to analyzing the organization and functioning of a social institution, and intensively study the historical development and contemporary form of selected sectors of society such as religion, education, economy, politics, family, health and welfare, and relationships among these sectors.

**SOCI 113 SOCIAL PROBLEMS (3)**

This course studies contemporary social problems such as inequality, racism, sexism, corporate/governmental power, and crime. The underlying social factors in these problems are stressed.

**SOCI 114 SOCIOLOGY OF THE FAMILY (3)**

Dating, living-together arrangements, mate selection, husband-wife relations, and divorce are topics that receive major attention in this course. Discussion topics include alternatives to marriage and the family of the future.

**SOCI 115 INTRODUCTION TO ANTHROPOLOGY (3)**

This course studies the biological and cultural evolution of humankind through archeologically derived information as well as observations of contemporary societies.

**SOCI 120 INTRODUCTION TO AGING STUDIES (3)**

This introductory course is designed to explore the importance of age and aging in individuals and in society. It provides an integrated overview of gerontology—the study of aging. The purpose of this course is to provide a foundation for students who seek careers in the field of gerontology and human services for the aging.

**SOCI 141 CULTURAL ANTHROPOLOGY (3)**

This course, emphasizing culture change, introduces the student to basic concepts of cultural anthropology. The ways of life and the worldviews of several societies are studied in depth.

**SOCI 143 AFRICAN AMERICAN FAMILIES: PAST AND PRESENT (3)**

This course emphasizes the structure of African American families in American society. African American families are viewed as social systems in contrast with other family

and kinship systems.

**SOCI 200 FIELD INTERNSHIP IN AGING (3)**

Designed for students with a concentration in gerontology, this is a one-semester internship in a group, agency or organization that deals with elderly people. Appropriate placements include nursing homes, community centers, senior centers, mental health agencies, nutrition programs, and hospitals.

*Prerequisite:* SOCI 120 Introduction to Aging Studies

**SOCI 201 WOMEN AND FAMILY IN DIFFERENT CULTURES (3)**

This course examines family structures in selected cultures of the world and their effect on women's roles as wife, mother, daughter, homemaker, and worker. The course also considers changes in family life and alternatives to the nuclear family.

**SOCI 204 CREATIVE KNOWING: A FUNCTION OF STORYTELLING (3)**

This is an interdisciplinary examination of ancient and contemporary motifs (verbal, visual, and conceptual). The course concentrates on the transmission of these motifs as found in the myths, legends, and tales of many cultures and academic disciplines.

*Prerequisite:* Student must have selected a major and have an advisor.

**SOCI 205 LIFE IN SOCIETY (3)**

This course is designed to introduce the student to the understanding of human behavior in the social environment. It examines the interaction of individuals and groups in various social situations, emphasizing the dynamics of day-to-day relations.

**SOCI 210 FUTURE SOCIETY (3)**

This is an examination of those aspects of our present civilization that could have a profound impact on the future of humankind. Consideration is given to written work which has attempted to give insight into what lies ahead. Students are expected to develop their own hypotheses about future societies with an attempt to anticipate what their subsequent roles in that society might be.

**SOCI 221 HUMAN SERVICES FOR THE AGED (3)**

This course provides an integrated overview of the needs of the aged and the various services and agencies dealing with the aged, particularly in the urban communities. Topics include the federal, state, local, and neighborhood levels of service, the public and private sectors, the legal and organizational arrangements through which services are provided and the integration among

service agencies.

**SOCI 225 CLASS, STATUS AND POWER (3)**

This course analyzes the extent to which people differ in power, prestige, possessions, and life chances. Attention is paid to factors that affect the individual's ability to improve his or her status.

**SOCI 232 SOCIOLOGY OF THE AGING (3)**

This course examines age as a factor in society. Discussion topics include social changes that affect the aging. Problems and issues like health, housing, family relations, activities, and conflicts with other age groups are discussed.

**SOCI 233 INTRODUCTION TO SOCIAL WORK (3)**

This is an introduction to the theories and practices of social work, community resources, and the structure of welfare.

**SOCI 234 SOCIAL POLICY AND WELFARE (3)**

This course provides students with a basic understanding of the historical development of social welfare policies and programs in the United States. Students explore the values, perceptions, political orientations, and religious beliefs which have influenced the changing definitions of social problems and the varied treatment of diverse segments of the population during various eras.

**SOCI 235 LABOR AND SOCIETY (3)**

This course focuses on the structure of the American occupational system and its relationship to other societal institutions and social movements, as related to the student's occupational expectations. This knowledge is put into practical use by field research assignments that empirically expose the students to the methods and problems of combining his/her college education with the marketplace.

**SOCI 241 WORKSHOP ON THE AGING (3)**

This course attempts to apply knowledge of the practices and current procedures offered by expanding programs for the elderly. Services, agencies, and legislation stimulating new support for persistent problems confronting older citizens are examined.

**SOCI 242 FIELD STUDY IN AFRICAN CULTURES (3)**

This field study exposes students to the real world of several African, Latin American and Caribbean countries and develops an appreciation for various cultures through direct contact with others in varying social and educational situations. This study emphasizes individual exploration through an academic project.

**SOCI 243 DEATH AND DYING (3)**

This course examines the varied patterns of beliefs and rituals that have been developed to manage death in the past, the emerging pattern of managing dying and death in contemporary society, and the social forces that are shaping our death beliefs and practices.

**SOCI 244 ETHNIC FAMILIES IN AMERICA (3)**

This course is designed to explore the general family patterns and relationships of Asian, African, Latin American, and European American families for whom an ethnic culture has important behavioral and social consequences.

**SOCI 245 SOCIOLOGY OF RELIGION (3)**

The social function of religion in society, the interrelationship of religion with other social institutions, social changes affecting religion, and the structure of the major religious bodies are topics of discussion in this course.

**SOCI 246 SOCIOLOGY OF EDUCATION (3)**

This course examines the structure and function of the learning process. It is a close examination of American educational institutions and the interrelationship of education to the other major institutions. The formal and informal systems are viewed with emphasis on contemporary trends.

**SOCI 247 NATIVE AMERICANS (3)**

This is a study of Native American people from earliest times to the present day, with an emphasis on the various groups before the first European contact. Pan-Indian movements and the Indian role in modern society are also studied.

**SOCI 248 HUMAN ORIGINS (3)**

Topics of discussion are focused on evolutionary theories and the biological evolution of humans. The course examines the fossil remains of modern human's possible ancestors, and the tools associated with them, elementary genetics, theories about race, the scientific bases of these theories, and their social effects.

**SOCI 249 CHINA: TODAY (3)**

This is an introductory course outlining the culture of modern China. Assigned readings, lectures and class discussions acquaint the student with the life and culture, achievements and problems of China. Audio-visual material enables the student to gain a more intimate understanding of life and society in China today.

**SOCI 250 PEASANT CULTURES: OUR ETHNIC ROOTS (3)**

This course examines the traditional communities of small farmers in Europe, Asia,

Africa and Latin America, who still make up half of the world's population.

**SOCI 251 APPALACHIAN FIELD STUDY (3)**

In this field study students visit a variety of local institutions in the Appalachian region of the United States in an effort to gain a deeper understanding of life in this part of rural America. Participants take part in seminar and discussion groups before and after the field study.

**SOCI 252 STUDY OF THE ORIGINS OF CIVILIZATION (3)**

This course is designed to introduce students to the evidence for the emergence of ancient civilizations in different regions of the world and to the theories anthropologists and others have developed about the origin and expansion of those civilizations.

**SOCI 253 VISUAL SOCIOLOGY (3)**

This course focuses on learning to observe and interpret the social meaning of visual evidence. It examines behavior patterns, rituals, design of physical space, clothing, and images used in art and business. The visual methods of sociology and anthropology participant observation, controlled observation, and physical traces are studied.

**SOCI 254 URBAN SOCIOLOGY (3)**

This course analyzes the social factors which shape American cities and metropolitan regions. Students become acquainted with methods of research in urban sociology.

**SOCI 255 JUVENILE DELINQUENCY (3)**

This course offers a systematic study of the nature of juvenile delinquency in modern society, theories about the cause of delinquency, social factors affecting juvenile behavior, and modern methods of handling delinquency, including the juvenile court system.

**SOCI 256 INDIAN SOCIETY IN TRANSITION (3)**

This course examines the crises and challenges of the second most populous country in the world. It studies institutional changes such as the caste system, political leadership, and two of the major religions of the world—Hinduism and Buddhism. It also investigates the future prospects of India.

**SOCI 257 COMPARATIVE CULTURES (3)**

This course compares and contrasts the ways different societies have attempted to provide basic human needs. The characteristics of various cultures are explored and compared.

**SOCI 258 CONTEMPORARY RUSSIA: SOCIETY AND SOCIAL PROBLEMS (3)**

This course studies social problems in Russia after the collapse of the Soviet Union—a rapidly changing industrial, urbanizing

society in economic disarray. The course focuses upon the Russian approach to such problems as crime and juvenile delinquency, alcoholism, drug use, family disorganization, aging, physical and mental health, minorities and human rights, religion, and others. Russia's difficulties and proposed solutions are compared to American attempts to deal with similar problems are explored.

**SOCI 259 COMMUNITY ORGANIZATION: THEORY AND PRACTICE (3)**

This course focuses on the development of students understanding of the concept of community and the theory of community. Function and structure of the community as a social system and the impact of the community on the individual are explored. Strategies for community organization are addressed.

**SOCI 260 BLACK COMMUNITY ORGANIZATION (3)**

This course examines the structure and goals of black organizations, informal social structure, leadership, gaps in organization and leadership, and the influences of external social forces on the black community and programs that deal with black community problems. The course involves field work.

**SOCI 261 AFRICAN CULTURAL INFLUENCES IN THE NEW WORLD (3)**

This is a contemporary community study in areas of the New World where African slavery once existed, such as Brazil, the West Indies, and the United States. Attention is given to reworking of African cultural elements under conditions of slavery and the post-emancipation period.

**SOCI 262 HEALTH, ILLNESS, AND SOCIETY (3)**

This course examines the various ways that health and illness intertwine with social organization and customs. Topics for discussion include social patterns that affect the health and health behavior of individuals, groups, and societies, body care as a system of social behavior, how illness is explained in various belief systems and the impact of disease on persons, groups and society. The course is useful preparation for careers in health businesses and agencies: social work, nursing, community planning, and teaching.

**SOCI 264 TRADITION AND CHANGE IN NON-INDUSTRIAL NATIONS (3)**

This course focuses on the nature of traditional and post-traditional societal types in non-industrial nations and the impact of western technology and European contact on selected social institutions.

**SOCI 265 RACIAL AND CULTURAL MINORITIES (3)**

This course examines race, ethnicity and religion in minority-dominant group relations. After examining the interrelationships of these factors and immigration, the focus is on African Americans, Hispanics and Asians as minorities. Theory and research in the areas of prejudice and discrimination are examined.

**SOCI 266 CRIMINOLOGY (3)**

This course explores the nature of crime, crime rates and trends, characteristics of offenders, patterns of criminal behavior, theories of crime causation, social forces affecting crime and criminal justice, and the operation of the criminal justice system.

**SOCI 267 CULTURAL ASSIMILATION (3)**

This course discusses the process whereby members of minority groups acquire in whole or in part the culture of the dominant group. Attention is paid to those forces that serve to resist as well as those that accentuate the assimilation process.

**SOCI 272 FIELD EXPERIENCES IN SOCIAL PROBLEMS (3)**

This is a program of field experiences in which participants make on-site visits to organizations such as the courts, prisons, and drug rehabilitation centers. Students are also expected to attend meetings of groups concerned with the amelioration of social problems in our society (i.e., Alcoholics Anonymous, the City Council, etc.).

**SOCI 300 INTERPRETING CULTURE (3)**

This is a critical review of the history of anthropological approaches to understanding culture. The history of anthropological theory from the enlightenment to post-modernism is discussed. Emphasis is placed on the dynamics of culture change from simple to complex societies.

*Prerequisite:* 6 credits in Anthropology

**SOCI 310 BASIC INTERVIEWING SKILLS (3)**

This course focuses on learning basic interviewing skills, psychosocial assessment, genogram, and recording. Methods of data collection employed within a variety of social service agencies will be examined.

**SOCI 314 TREATMENT PLANNING FOR SUBSTANCE ABUSERS (3)**

This course focuses on the use of the New Jersey Client Oriented Data Acquisition Process (C.O.D.A.P.) in the assessment and formulation of a treatment plan for alcohol and drug abuse clients. Topics include goal setting, contracting, and a discussion of specific interventions to address clients' alcohol and drug abuse problems.

**SOCI 330 SOCIOLOGY OF SPORT (3)**

This course is an examination of the functions and definitions of sport in society. Focusing primarily but not exclusively on the US, students examine the relations between culture and sport as well as the relationship of sport to other social institutions, such as politics, economy, mass media, school and amateur athletics, race, and racism.

**SOCI 340 POLITICAL SOCIOLOGY (3)**

This course is a study of the sources of power in a society, how power is exercised, the characteristics of those with power and those contesting power, the changes in who holds power, and the consequences for a society of the pattern of power.

**SOCI 341 LAW AND SOCIAL VALUES (3)**

This is a study of the origins of law and its relations to social values, the influences of law in human society, and the structure of the legal institutions.

**SOCI 342 SOCIAL STRATIFICATION (3)**

This course analyzes the extent to which people differ in power, prestige, possessions, and life chances. Attention is paid to factors that affect the individual's ability to improve his or her status.

**SOCI 343 POPULATION STUDIES (3)**

This course examines the three basic population phenomena: birth, death and migration. In addition, it considers contemporary population trends in the United States. Topics include the social and environmental problems stemming from rapid growth in examination of developing nations.

**SOCI 344 SOCIAL CHANGE (3)**

The various factors affecting social change are discussed, including technological developments and social movements. The extent to which social change produces social problems is analyzed and the unintended consequences of change efforts are noted.

**SOCI 345 PROFESSORIAL ASSISTANT (3)**

Selected students receive an opportunity to gain firsthand knowledge of the research process through involvement in current faculty research.

*Prerequisite:* SOCI 111 Principles of Sociology or permission of the chairperson

**SOCI 346 SOCIAL STRUCTURE AND PERSONALITY (3)**

This course is a study of the interaction between the organization of society and the development of human personality, including examination of the processes by which human beings create their societies and in turn are molded and constrained by these societies.

**SOCI 351 SOCIOLOGY OF LAW (3)**

This course introduces law and society as seen in their intimate interaction, the relation of law to social structure, social change, and conflict resolution. It examines the socio-psychological aspects of judicial behavior and the legal system (lawyers, courts, police, and corrections) in our society. It emphasizes the law as a vehicle of social engineering, a means of social communication, and an essential tool in the implementation of social values.

**SOCI 353 MIDDLE EAST INSTITUTE (3)**

This course presents an analytical view of the impact of social, economic and political factors on human relations in the Middle East. The institutions of the Middle East—the family, school, government and church—are studied in detail. A comprehensive study is made of contemporary politics and diplomacy.

**SOCI 355 COOPERATIVE EDUCATION JOB PLACEMENT AND SEMINAR (3-6)**

This work experience course provides reinforcement of the department's academic program in traditional and nontraditional work sites such as the Juvenile and Domestic Court, the Division of Youth and Family Services, and the Department of Welfare. The seminar is taken by students who obtain a Cooperative Education job placement related to Sociology for each semester of their job placement. The faculty supervisor guides and gives assignments that relate sociological theory to the student's job assignment and career goals.

**SOCI 360 SOCIOLOGICAL RESEARCH METHODS (3)**

This course examines major types of research design and techniques: interview, questionnaire, experiment, social survey, and participant observation. Methods of data processing and analysis are also considered. The course emphasizes the critical reading and understanding of research studies.

*Prerequisite:* SOCI 111 Principles of Sociology

**SOCI 420 SOCIAL RESEARCH LABORATORY (3)**

Students gain direct experience in research techniques by participating in a professionally designed research project. Focusing on a given project, they perform research tasks such as sample selection, questionnaire construction, interviewing, coding and data, computer processing, literature search, and analysis of results.

*Prerequisite:* SOCI 360 Sociological Research Methods

**SOCI 421 DEVELOPMENT OF SOCIOLOGICAL THEORY (3)**

This course focuses on the radical social ideas of Rousseau, Comte, Marx, Smith, and others which have influenced modern social sciences in general and sociology in particular. The course also stresses the social scientific methods developed by Durkheim, Pareto, Weber, and others to analyze contemporary and future societies.

*Prerequisites:* SOCI 111 Principles of Sociology and SOCI 113 Social Problems

**SOCI 440 INDEPENDENT STUDY IN SOCIOLOGY (1-3)**

Independent study is offered to advanced students who have demonstrated the ability and interest to do creative, original research. The coursework is carried out under faculty supervision.

*Prerequisite:* Permission of the chairperson.

**SOCI 441 CONTEMPORARY SOCIOLOGICAL THEORY (3)**

This course offers a critical examination of the assumptions and consequences of the major contemporary American and European sociological theories. The theories examined include structural-functionalism, symbolic-interactionism, radical-critical, and ethno-methodology.

*Prerequisites:* SOCI 111 Principles of Sociology and SOCI 113 Social Problems

**SOCI 442 BASIC STATISTICS FOR SOCIOLOGY (3)**

This is an introduction to the elementary statistical procedures used in social science research. Instruction in using computers to assist in statistical calculations may be included.

**SOCI 443 FIELD INTERNSHIP (3)**

Students participate in a 128-hour semester-long field experience with area agencies and organizations which address socio-economic issues and needs. Student interests are considered in determining appropriate placements which may include informal self-help and community groups, public and private human service agencies, mental health, recreation, courts, correctional, planning, educational, and health organizations.

*Prerequisites:* SOCI 111 Principles of Sociology and SOCI 233 Introduction to Social Work

**SOCI 450 SEMINARS IN SOCIOLOGY (3)**

These seminars for upper level students offer the opportunity to explore in-depth a topic of interest for research, oral presentation or externship.

**SOCI 451 OAS MODEL ASSEMBLY: SEMINAR (3)**

Students engage in independent research of a nation which they represent at the Organization of American States (OAS) Model Assembly. In addition to the study of the Latin American and Caribbean region, students learn debating and caucusing techniques, and how to write resolutions, in preparation for attending the Model Assembly in Washington, D.C.

*Prerequisite:* Permission of instructor

**SOCI 452 OAS MODEL ASSEMBLY: FIELD EXPERIENCE (3)**

Students apply the skills learned in SOCI 451 OAS Model Assembly Seminar by participating in the annual Model Organization of American States (OAS) General Assembly in Washington, D.C. where they learn about international diplomacy, cooperation, and the inter-American system. The inter-American system includes South America, Central America, the Caribbean, the United States and Canada.

*Prerequisites:* SOCI 451 OAS Model Assembly: Seminar and permission of instructor

# WOMEN'S AND GENDER STUDIES

Karnoutsos Hall, Rm. 505  
201-200-3251  
<http://web.njcu.edu/programs/wgstudies>

**Dr. Jacqueline Ellis, Coordinator**  
[jellis@njcu.edu](mailto:jellis@njcu.edu)

**Professor: Fiol-Matta**  
**Associate Professors: Ellis, Ellis-Williams, Raissiguier**

While women's lives and experiences are the central focus of the Women's and Gender Studies Program, all courses incorporate analyses of masculinity and femininity, as well as perspectives informed by Lesbian, Gay, Bisexual and Transgender Studies, queer theory, and feminist practice.

*Note: A Bachelor of Arts in Women's and Gender Studies will be offered beginning Fall, 2011. Please consult the WGST Dept. for the latest curriculum and other degree requirements.*

**Minor in Women's and Gender Studies (MINIMUM 18 CREDITS)**

Students who minor in Women's and Gender Studies must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. Some of these prerequisites and corequisites are listed with the course descriptions that follow. Please see the appropriate departmental listings for other course descriptions, prerequisites and corequisites.

Course Code	Course Title	Credits
<i>Restricted elective: Select three credits from the following courses.</i>		
WGST 100 <sup>1</sup>	Women's Lives	3
WGST 103 <sup>1</sup>	Introduction to Women's and Gender Studies	3
<i>Electives: Select a minimum of nine credits from the following courses.</i>		
WGST 100 <sup>1</sup>	Women's Lives	3
WGST 103 <sup>1</sup>	Introduction to Women's and Gender Studies	3
WGST 108 <sup>1</sup>	Race, Class, and Gender Activism	3
WGST 141	Masculinities	3
WGST 190 <sup>1</sup>	Introduction to Lesbian and Gay Studies	3
WGST 202 <sup>1</sup>	Women and Work	3
WGST 203	Growing Older: Women at Midlife and After	3
WGST 204	Theorizing Bodies: Gendered Perspectives	3
WGST 208	Sex: Power, Pleasure, and Politics	3
WGST 210	Black Womanhood	3
WGST 400	Independent Study	3
<i>Electives: Select a minimum of six credits from the following courses. Additional courses not listed may satisfy elective requirements, with approval of the program coordinator.</i>		
ART 266	Women Artists	3
CJFS 303*	Women and Criminal Justice	3
ENGL 209*	Lesbian and Gay Literature	3
ENGL 226*	Women in Literature	3
ENGL 300*	Workshop: Women Writers	3
ENGL 351*	African and Caribbean Women Writers	3
HIST 116	History of Women in the United States	3
LATI 209 <sup>1</sup>	Sex and Gender in Latin America	3
POLI 215	Women and the Law	3
PSYC 210	Psychology of Women	3
SOCI 201	Women and Family in Different Cultures	3
SOCI 244	Ethnic Families in America	3
SOCI 450	Seminar in Sociology: Domestic Violence	3

*Note:* <sup>1</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

### *Course Descriptions*

#### **WGST 100 WOMEN'S LIVES (3)**

An introduction to the field of Women's Studies, this course explores the different experiences of womanhood in the United States and around the world, with an emphasis on roles throughout the life cycle and the importance of race, class, sexuality, and culture in shaping gender roles.

#### **WGST 103 INTRODUCTION TO WOMEN'S AND GENDER STUDIES (3)**

This course is an introduction to Gender Studies. It examines traditional gender roles and considers how these have changed over time.

#### **WGST 108 RACE, CLASS, AND GENDER ACTIVISM (3)**

This course examines women's movements and activism in the United States and around the world. Through primary source documents and monographs, we will look at a wide spectrum of feminist political interventions that focus on the intersection of race, ethnicity, class, and sexual identity both in the analysis they propose and the solutions they generate.

#### **WGST 141 MASCULINITIES (3)**

What does it mean to be a man in any given context? Why are some forms of masculinity more valued than others? What do feminist masculinities look like? The course explores the social and cultural construction of masculinity by surveying interdisciplinary texts that analyze, question, and transform the ways in which masculinity is understood and performed in a variety of settings. The course pays special attention to the intersections between gender, race, class and sexual orientation in the formation of various forms of masculinity.

#### **WGST 190 INTRODUCTION TO LESBIAN AND GAY STUDIES (3)**

This course offers an interdisciplinary introduction to lesbian, gay, bisexual and transgender studies. It explores the history of same sex-desire in Western and non-Western cultures and examines the political, psychological and artistic cultures of contemporary lesbian, gay, bisexual and transgender communities.

#### **WGST 202 WOMEN AND WORK (3)**

This course explores the condition of women as paid and unpaid workers in the United States and around the world. It considers the history of women's work and the effect of the global economy on traditional and non-traditional occupations for women.

#### **WGST 203 WOMEN AND AGING (3)**

This course examines significant events in the

lives of mature and aging women by exploring shifting situations, self-images, aspirations, anxieties, and values.

#### **WGST 204 THEORIZING BODIES: GENDERED PERSPECTIVES (3)**

This course is an introduction to various theoretical accounts of the body. How are human bodies and bodily experience shaped by gender relations? How do bodies (and the way we perceive them) vary historically and across cultures? How are different bodies perceived, valued and treated? In this course, we will examine the body as the product of complex social arrangements and processes. We will study the body as a part of our identity, as the object of social control, and as the repository of shifting race, gender and sexual categories. Previous completion of WGST 100 is recommended.

#### **WGST 208 SEX: POWER, PLEASURE AND POLITICS (3)**

Beginning with some basic work on the history of sexuality, this course explores a variety of topics: heterosexuality as an historical institution; pornography; prostitution; date rape and sexual harassment; rape and sexual violence; race, sex, and miscegenation; sex and disease; and sex and pleasure. The course analyzes each of these topics by placing them in their political, economic, social, and ideological contexts. Previous completion of WGST 100 is recommended.

#### **WGST 210 BLACK WOMANHOOD (3)**

This course examines the impact of racism and sexism on Black women and explores various representations of Black womanhood focusing on their implications for feminist thought. Perspectives from sociology, history and literary criticism are included.

# DEBORAH CANNON PARTRIDGE WOLFE COLLEGE OF EDUCATION

## Education and Professional Studies

Building, Rm. 303  
201-200-2101

[http://www.njcu.edu/academics/college\\_education.asp](http://www.njcu.edu/academics/college_education.asp)

Dr. Allan A. De Fina, Dean  
[adefina@njcu.edu](mailto:adefina@njcu.edu)

Ms. Lourdes Sutton, Assistant Dean  
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Ms. Sachie Tsumura,  
Assistant to the Dean  
[stsumura@njcu.edu](mailto:stsumura@njcu.edu)

The Deborah Cannon Partridge Wolfe College of Education at New Jersey City University provides leadership in meeting the educational and professional needs of students preparing for careers as teachers and other school personnel. The College is committed to building and sustaining a learning community that provides high quality instruction for persons seeking careers in urban educational environments. As such, the Deborah Cannon Partridge Wolfe College of Education is dedicated to preparing reflective urban practitioners with the knowledge, skills, and dispositions to help all children learn. In 1998, when Jersey City State College became New Jersey City University, the College was founded with the following seven academic departments:

- Early Childhood Education
- Educational Leadership and Counseling
- Educational Technology
- Elementary and Secondary Education
- Literacy Education
- Multicultural Education
- Special Education

The Deborah Cannon Partridge Wolfe College of Education also includes the Center for Teacher Preparation and Partnerships, which manages all clinical field placements, professional development schools, certification, and other P–12 partnership activities. Additionally, the A. Harry Moore School, a demonstration school for multiply disabled children, is part of the College.

The Deborah Cannon Partridge Wolfe College of Education serves as the professional education unit and also takes responsibility for the following programs

offered by the William J. Maxwell College of Arts and Sciences and the College of Professional Studies: Art Education, Mathematics Education, English Education, Music Education, Health Education, School Nurse, and School Psychology. Secondary education candidates may also major in Biology, Chemistry, Economics, Geoscience, Physics, Physical Science, and Modern Languages.

The Deborah Cannon Partridge Wolfe College of Education is accredited by the National Council for Accreditation of Teacher Education (NCATE) and all certification programs are approved by the New Jersey State Department of Education.

## ACADEMIC PROGRAMS

The sections that follow describe the curriculum requirements for the degrees, majors, and tracks offered at New Jersey City University. Please note that certification programs are governed by state rules and regulations, which are subject to change. As such, students are advised to meet with their academic advisors each semester to ensure smooth and timely matriculation through the various programs offered through the Deborah Cannon Partridge Wolfe College of Education.

Further, students should pay special attention to courses with prerequisites. A prerequisite can be a course, field/clinical experience, assessment, or grade point requirement that must be satisfied prior to enrollment. Any course with such a notation may not be taken until after the prerequisite has been satisfied. Courses noted as co-requisites are courses that must be taken together or concurrently within the same semester.

## CERTIFICATION PROGRAMS

All programs leading to initial teacher certification require the completion of an approved major from the William J. Maxwell College of Arts and Sciences and the co-major from the Deborah Cannon Partridge Wolfe College of Education. Students are advised to meet with academic advisors within the Deborah Cannon Partridge Wolfe College of Education to ensure that they are taking the appropriate co-major for the area of teaching certification being pursued.

The University offers undergraduate programs that lead to eligibility for certification by the New Jersey Department of Education

in the following areas:

- Elementary Education
- Elementary Education with Content Area (Middle School) Endorsement
- Elementary and Special Education—Dual Certification
- Early Childhood Education (P–3)
- Early Childhood and Special Education—Dual Certification
- Early Childhood and Elementary Education (K–5)—Dual Certification
- Secondary Education Content Area Certification: Art, English, Math, Music, Geoscience, Biology, Earth Science (Geoscience Major), Physical Science (Chemistry or Physics Major), Social Studies (Economics, History or Political Science Major), and Spanish
- English as a Second Language (ESL) Endorsement

Under current New Jersey Department of Education policy, students who have successfully completed all of the requirements of a certification program and apply for certification are granted a Certificate of Eligibility with Advanced Standing (CEAS). This certificate will permit the candidate to seek provisional employment in positions requiring an instructional license. After the successful completion of one year of teaching (the Induction Year), the candidate will be eligible for a Standard Teaching Certificate. This Certificate is issued by the State Board of Examiners (N.J.A.C. 6:11).

The undergraduate program offered through the Department of Special Education is for teacher education candidates who, in the process of obtaining a certification in Elementary or Early Childhood Education, will become eligible to apply for the Teacher of Students with Disabilities Certificate of Eligibility with Advanced Standing.

## ADMISSION TO EDUCATION PROGRAMS IS SELECTIVE AND INFLUENCED BY STATE REGULATIONS. ALL CANDIDATES MUST:

1. Complete the General Studies prescribed curriculum and satisfy All University Requirements (AUR)
2. Satisfy the requirements of an academic

major (English, Mathematics, Geoscience, Chemistry, Biology, Spanish, or History)

3. Attain a 2.75 minimum cumulative grade point average (CGPA) to be admitted to any teacher certification program;
4. Maintain the 2.75 CGPA in all course work to continue in programs leading to teacher certification;
5. Pass the College of Education Test of Writing and Reading (ToW&R).
6. Attain a B minus or higher grade in all education courses; and
7. Pass the Praxis II Examination required for the intended education certification.

***PLEASE NOTE THE FOLLOWING THAT APPLY TO ALL TEACHER EDUCATION PROGRAMS:***

1. Because state regulations vary for admission to and matriculation in different certification programs, students must routinely check with academic advisors for program-specific requirements in place at the time of application or subsequent changes mandated by the New Jersey Department of Education.
2. All teacher education candidates are required to complete clinical and field experiences in partner schools and school districts. These placements provide opportunities for candidates to apply strategies learned in classes to real school settings. Candidates must be approved for placements by their respective academic departments and must apply for such placements through the Center for Teacher Preparation and Partnerships.
3. In addition, candidates must take and pass the College of Education Test of Writing and Reading (ToW&R) as a prerequisite for any field placement. Details regarding the test can be obtained online at [http://www.njcu.edu/academics/college\\_education.asp](http://www.njcu.edu/academics/college_education.asp).
4. All candidates must pass the appropriate Praxis II exam prior to the student teaching internship.

***A. Harry Moore Laboratory School for Special Education***

2078 John F. Kennedy Boulevard  
201-200-3287

**Mr. Steven Goldberg, Principal**  
[sgoldberg@njcu.edu](mailto:sgoldberg@njcu.edu)

The A. Harry Moore Laboratory School is located at the easternmost edge of the NJCU campus. The school provides approximately 180 children with severe disabilities a comprehensive public education supplemented by physical, occupational, recreational, and speech therapies. The A. Harry Moore Laboratory School, and the Deborah Cannon Partridge Wolfe College of Education, work together to provide learning experiences and field placements for graduate and undergraduate students preparing for careers as teachers and other professional school personnel. The facilities offer many opportunities for linking class work with observation and practice. For more information, contact the Principal of the A. Harry Moore Laboratory School or the Dean of the Deborah Cannon Partridge Wolfe College of Education.

***Center for Teacher Preparation & Partnerships (CTPP)***

Education and Professional Studies  
Building, Room 203A  
201-200-3015

**Dr. Jo-Anne Mecca, Director**  
[jmecca@njcu.edu](mailto:jmecca@njcu.edu)

**Ms. Brandi Warren, Assistant Director and Certification Administrator**  
[bwarren@njcu.edu](mailto:bwarren@njcu.edu)

The Center for Teacher Preparation and Partnerships serves as a liaison between New Jersey City University and the education community in supporting P-16 Partnerships. Students inquiring about internships, student teaching, or field placement are invited to contact the CTPP or visit the appropriate academic department.

The Center for Teacher Preparation and Partnerships works collaboratively with various departments to:

1. Place approved candidates into educational clinical and field experiences, including the Student Teaching Internship;
2. Coordinate joint activities between the University and the public schools;
3. Support educational partnership activities with community colleges, partner schools, and school districts;
4. Coordinate Diagnostic Praxis testing; and
5. Process Teacher Certification Applications.

The CTPP also publishes the College of Education Field Experience Handbook, which can be accessed online at: <http://www.njcu.edu/academics/pdf/ctpphandbook.pdf>.



# EARLY CHILDHOOD EDUCATION

**Education and Professional Studies**  
**Building, Rm. 329**  
**201-200-2114**  
<http://web.njcu.edu/dept/eced>

**Dr. Regina M. Adesanya, Chairperson**  
 radesanya@njcu.edu

**Professors: Jambunathan, Juncker, Rand**  
**Associate Professors: Carrick,**  
**Chakraborty, Counselman**  
**Assistant Professors: Adesanya, Caulfield**

The Early Childhood Education (ECE) Department is accredited by both the National Council for the Accreditation of Teacher Education (NCATE) and the National Association for the Education of Young Children (NAEYC). The Early Childhood Education Department sponsors an annual Early Childhood Conference.

The programs in early childhood education are designed to deepen the understanding and perfect the skills of teacher candidates who plan to work with children from birth through eight years of age in a variety of child-development and school settings. Emphasis is placed on current theory and research in child development and application to early childhood education practice.

All undergraduate early childhood teacher candidates must complete one of the following baccalaureate programs offered by the William J. Maxwell College of Arts and Sciences: Art, Biology, Chemistry, Computer Science, Economics, English, Geoscience/Geography, History, Mathematics, Media Arts, Music, Philosophy, Physics, Political Science, Psychology, Sociology, and Spanish.

The Early Childhood Education Department offers more than one program track. Requirements for admission, fields of employment, continued areas of education, and course requirements are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

Early Childhood Education co-major (with major in College of Arts & Sciences) with P-3 Certifications, p. 221

Early Childhood Education co-major (with major in College of Arts & Sciences) with dual P-3 and Elementary (K-5) Certifications, p. 222

Early Childhood Education co-major (with major in College of Arts & Sciences) with dual P-3 and Teacher of Students with Disabilities Certifications, p. 223

Requirements may be added or changed. Please obtain a current advisement sheet from the department and confer with an advisor.

## *Early Childhood Education Major with P-3 Teacher Certification*

Completion of this major prepares one for a career as a certified preschool through third grade teacher.

Course Code	Title	Credits
<i>General Studies Requirements</i>		
BIOL 103	Human Sexual Biology	3
<i>or</i>		
BIOL 104	The Human Body	3
PSYC 150	Development: Birth through Adolescence	3
SOCI 114	Sociology of the Family	3
INTD 149	Human and Intercultural Relations	3
MATH 205	Problem Solving	3
Phase I: Professional Foundations: Young Children, Family & Community		
ECE 200	Intro to Early Childhood Education	3
ECE 215	Introductory Field Work I	1
ECE 225	Professional Dispositions in ECE	1
LTED 270	Emerging Literacy at Home and School	3
Phase II: Characteristics of Young Learners		
ECE 210	Young Children's Development, Behavior and Learning	3
ECE 220	Introductory Field Work II	1
SPEC 250	Intro to Education and Psychology of Exceptional Children and Youth	3
ECE 460	Working with Families of Young Children	3
Phase III: Curriculum and Assessment (Concurrent with Admission to the Program, See above)		
ECE 350	Early Childhood Integrated Curriculum	3
ECE 331	Early Childhood Field Experience	1
ECE 300	Early Primary Curriculum (Major Requirement)	3
LTED 350	Early Childhood Reading, Language & Literacy Curriculum	2
Phase IV: Applying Knowledge, Skills & Attitudes in Practice		
ECE 1480	Early Childhood Internship	6
ECE 475	Reflecting on Knowledge and Practice	2
ECE 500	Early Childhood Classroom Management	1

***Early Childhood Education Major with Dual Certification  
in Early Childhood (P-3) and Elementary Education (K-5)***

Completion of this major prepares one for a career as a certified preschool through third grade teacher.

<b>Course Code</b>	<b>Title</b>	<b>Credits</b>
<i>General Studies Requirements</i>		
BIOL 103	Human Sexual Biology	3
<i>or</i>		
BIOL 104	The Human Body	3
PSYC 150	Development: Birth through Adolescence	3
SOCI 114	Sociology of the Family	3
INTD 149	Human and Intercultural Relations	3
MATH 205	Problem Solving	3
GOES 111	Principles of Earth Science	3
Phase I: Professional Foundations: Young Children, Family & Community		
ECE 200	Intro to Early Childhood Education (Major)	3
ECE 215	Introductory Field Work I	1
ECE 225	Professional Dispositions in ECE	1
LTED 270	Emerging Literacy at Home and School	3
Phase II: Characteristics of Young Learners		
ECE 210	Young Children's Development, Behavior & Learning	3
ECE 220	Introductory Field Work II	1
SPEC 250	Intro to Education and Psychology of Exceptional Children	3
ECE 460	Working with Families of Young Children	3
Phase III: Curriculum & Assessment (Concurrent with Admission to the Program, See above)		
ECE 350	Early Childhood Integrated Curriculum	3
ECE 331	Early Childhood Field Experience	1
LTED 350	Early Childhood Reading, Language & Literacy Curriculum	2
EDU 361	Elementary Social Studies Workshop	2
EDU 362	Elementary Science Workshop	2
EDU 363	Elementary Math Workshop	2
LTED 360	Elementary Reading, Language & Literacy Workshop	2
Phase IV: Applying Knowledge, Skills & Attitudes in Practice (Senior Year)		
ECE 1480	Early Childhood Internship	6
ECE 475	Reflecting on Knowledge and Practice	2
ECE 500	Early Childhood Classroom Management	1

***Early Childhood Education Major with Dual Certification in Early Childhood (P-3) and Special Education (Teacher of Students with Disabilities) – 40 Credit Program***

Completion of this major prepares one for a career as a certified preschool through third grade teacher and to work with students with special needs.

Course Code	Title	Credits
<i>General Studies Requirements</i>		
BIOL 103	Human Sexual Biology	3
<i>or</i>		
BIOL 104	The Human Body	3
PSYC 150	Development: Birth through Adolescence	3
SOCI 114	Sociology of the Family	3
INTD 149	Human and Intercultural Relations	3
MATH 205	Problem Solving	3
Phase I: Professional Foundations: Young Children, Family & Community		
ECE 200	Intro to Early Childhood Education	3
ECE 215	Introductory Field Work	1
ECE 225	Professional Dispositions in ECE	1
LTED 270	Emerging Literacy at Home and School	3
Phase II: Characteristics of Young Learners		
ECE 210	Young Children's Development, Behavior and Learning	3
ECE 220	Introductory Field Work II	1
ECE 460	Working with Families of Young Children	3
Phase III: Children's Needs, Curriculum and Assessment (Concurrent with Admission to the Program, See above)		
SPEC 310	Communications in Early Childhood	3
SPEC 320	Educational Needs of the Preschool Child with Disabilities	3
Phase IV: Curriculum and Assessment		
LTED 307	Nature of Reading Disabilities	3
ECE 350	Early Childhood Integrated Curriculum	3
ECE 331	Early Childhood Field Experience	1
ECE 300	Early Primary Curriculum	3
Phase V: Applying Knowledge, Skills & Attitudes in Practice		
ECE 400	Classroom Management and Positive Behavior Support	3
ECE 1480	Student Teaching in the Early Childhood Inclusive Classroom	4
ECE 475	Student Teaching Seminar	2

***Course Descriptions***

**ECE 200 INTRODUCTION TO EARLY CHILDHOOD EDUCATION: YOUNG CHILDREN, FAMILIES AND COMMUNITY (3)**

This course has as its focus the social, historical, political, legal, and philosophical constructs that impact upon young children, families and communities. Candidates examine the role of the community and family in the developmental process and education of the young children (birth through eight years) through field visits to community-based early childhood programs, including programs serving children of special needs. Linkages are established with community resources to support families, and recognize and accept diverse family units, including family participation on the educational team. The impact on development and learning of children's homes, communities, health and cultural experiences, and issues of exceptionality and special needs is emphasized. Candidates develop a personal philosophy of education and code of ethical conduct while examining the process of "reflection" and developing the skills needed to reflect.

**ECE 210 YOUNG CHILDREN'S DEVELOPMENT, BEHAVIOR AND LEARNING (3)**

This course emphasizes the practical application of the cognitive, linguistic, social, emotional, and physical factors that affect learning, development, and behavior in all children from birth through age eight. This course provides a knowledge base for the identification of children with special needs and developmental delays. The impact of children's homes, communities, health and cultural experiences on development and learning are considered. Candidates will interpret, develop and apply assessment that is multidimensional, ongoing and performance-based. Reflection on the knowledge of theories and research in human growth and development to make instructional choices is emphasized.

**Prerequisite:** PSYC 150

**ECE 215 INTRODUCTORY FIELD WORK I (1)**

This fieldwork component provides an introduction to working with young children for teacher candidates seeking Early Childhood Certification (P-3), Early Childhood and Elementary Dual Certification (P-3 and K-5), and Early Childhood Special Education Dual Certification (P-3 and Teacher of Students with Disabilities). Teacher candidates will work for 75 hours

over the course of the semester in various types of placements serving diverse, urban early childhood children.

*Co-requisite:* ECE 200

### **ECE 220 INTRODUCTORY**

#### **FIELD WORK II (1)**

This fieldwork component provides an opportunity for teacher candidates to focus on the behavior, development, and learning of children, birth through age 8. In addition, it provides a laboratory for student to interpret, develop, and apply assessment to specific children in early childhood settings.

*Co-requisite:* ECE 210

### **ECE 225 PROFESSIONAL DISPOSITIONS IN ECE (1)**

This course introduces teacher candidates to dispositions expected of all early childhood, early childhood elementary, and early childhood special education professionals. Topics include personal characteristics and habits of individual working with all young children, ethics, professional networking, and commitment to and advocacy for urban children and families.

### **ECE 300 EARLY PRIMARY CURRICULUM (3)**

Strengthening teacher candidates' understanding of the content knowledge and proficiency in methods of instruction to children in grades 1–3. This course is a part of the process of developing a reflective early childhood practitioner in an urban environment. Reflection on the knowledge of the developmentally appropriate methods of teaching is emphasized.

### **ECE 331 EARLY CHILDHOOD FIELD EXPERIENCE (1)**

This is a field experience that Early Childhood P–3, Dual Certification Early Childhood Elementary and Dual Certification Early Childhood Special Education candidates take concurrently with ECE 350 Early Childhood Integrated Curriculum. This field experience involves observation, lesson planning and assessment. This field experience is designed to increase the teacher candidate's ability to glean information relevant to instruction directly from student work, to prepare lesson plans, to assess students' strengths, and to relate classroom practice to student outcomes.

### **ECE 350 EARLY CHILDHOOD INTEGRATED CURRICULUM (3)**

This course is part of the process of developing an early childhood professional who is a reflective practitioner in an urban environment. The focus of this course is on designing integrated, developmentally ap-

propriate curriculum for all children in early childhood settings. The student is guided by a model that promotes the physical, social, emotional and cognitive development of young children by providing them with ample opportunities to construct knowledge through active interaction with their physical and social environments. Content areas covered include math, science, social studies, literacy, the creative arts, and health. Coursework emphasizes hands-on, concrete, and relevant experiences to help children develop an understanding of social experiences; to help children develop an understanding of the physical world; to develop skills of inquiry, such as interpreting, reasoning and problem-solving skills; and to foster the creative process as it relates to music, movement, improvisation and the visual arts. Strategies for collaborating with parents and other professionals are modeled and discussed. Appropriate teaching methods and suitable evaluation and assessment are discussed. Instructional goals and strategies are presented. Classroom organization, special learning needs, diversity needs, diagnosis and evaluation techniques, and intervention strategies are addressed. The Early Childhood Expectations, the Council for Exceptional Children's Content Standards, and the New Jersey Core Curriculum Content Standards are emphasized.

### **ECE 400 CLASSROOM MANAGEMENT AND POSITIVE BEHAVIOR SUPPORTS (3)**

Classroom management includes organizational, behavioral, social and environmental parameters. Teacher candidates need to know how to design, structure, and manage daily routines including transition time. Teacher candidates relate child development theories to young children's behaviors and to behaviors of young children with disabilities. Teacher candidates learn how to define target behaviors and teach replacement behaviors. Ways that technology, including assistive technology, can assist with management of teaching and learning are stressed.

*Co-requisite:* ECE 1480

### **ECE 460 WORKING WITH FAMILIES OF YOUNG CHILDREN (3)**

This course examines the nature of the contemporary family with young children and, on the performance level, helps the student to develop the skills needed to create positive working relationships. Diversity (cultural, racial, economic, religious, and family structure) is addressed throughout the course, as diversity is central to building constructive home/school relations. The

ultimate goal is to help students promote partnerships that will increase parental involvement and participation in promoting the social, emotional, and academic growth of children.

### **ECE 500 EARLY CHILDHOOD CLASSROOM MANAGEMENT (1)**

This course addresses classroom management in settings that serve early childhood and early childhood /elementary settings. Using the Reflective Urban Practitioner Model, the course content covers establishing a positive social climate, designing appropriate physical environments, establishing classroom rules and routines, and discussing techniques for handling challenging behaviors. As candidates explore the elements of classroom management, they reflect on what they also learned about classroom management in their previous field experiences. A variety of reading materials, including texts, current articles and case studies, as well as videos, interactive CD-ROMs and websites, are used to promote small group and whole group discussion. Candidates complete a variety of in-class assignments, such as case analyses and role-plays, as well as a follow-up assignment completed during their senior internship that asks them to reflect upon classroom management theory.

### **ECE 475 REFLECTING ON KNOWLEDGE AND PRACTICE (2)**

This course is part of the process of developing a teacher candidate who is a reflective early childhood, early childhood elementary, or early childhood special education practitioner in an urban environment. Teacher candidates reflect upon what they learned in prior courses, field experiences and what they are experiencing in their internship. Planning, implementing, assessing, and managing the teaching/learning environment, including instructional methods and activities such as other alternative learning sites are examined. Communication and conference techniques, interpersonal and group relations, and techniques for working with parents and staff as an instructional team are considered and modeled in class. Teacher candidates are provided the opportunity to collaborate with other professionals. Through participation in seminar discussions, the attributes of reflective practitioners, who are skilled at facilitating the learning of children and concerned with professional ethics and values, are developed.

*Co-requisite:* ECE 1480

**ECE 1480 EARLY CHILDHOOD INTERNSHIP (6)**

As a course in the undergraduate early childhood program, ECE 1480 is part of the process of developing a teacher candidate who is a reflective practitioner in an urban environment. Ideally, teacher candidates experience a field-based, full-time, full-semester internship in urban early childhood settings. Teacher candidates spend 15 weeks in a primary setting (ages 5–8). Early Childhood Education/Special Education candidates are placed in inclusive classrooms. Teacher candidates observe master teachers, tutor and teach children under the supervision of their cooperating teacher and college supervisor. They will plan for and conduct assessments of student learning and develop and implement appropriate strategies to meet children's developmentally diverse and special physical, social, emotional, and cognitive needs. Teacher candidates assume full responsibilities of a classroom teacher during the course of the semester and will be responsible for both in-class and out-of-class activities normally assigned to teaching, including opportunities to communicate with, conference, and work with parents and interdisciplinary teams of professionals. Value issues and a code of ethics are considered as they relate to candidates' field experiences.

## ELEMENTARY AND SECONDARY EDUCATION

**Education and Professional Studies****Building, Rm. 329****201-200-3421****[http://www.njcu.edu/academics/edu\\_major\\_second.asp](http://www.njcu.edu/academics/edu_major_second.asp)****Dr. Althea Hall, Chairperson**  
**ahall@njcu.edu****Professors: Bennett, Fisch, Obi, Weiner****Associate Professors: Hall, Bloom,****Morales****Assistant Professor: James**

Admission to education certification programs requires a minimum cumulative grade point average (CGPA) of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on the specified Praxis exam, and the minimum CGPA that is in effect at the time a graduate's application for certification arrives at the New Jersey Department of Education. All teacher certification candidates must take and pass the College of Education Test of Writing and Reading (ToW&R) prior to Field Experience II and the Praxis exam(s) specified for the desired certificate. Students who are interested in the education certification program must contact the Department of Elementary and Secondary Education in the Deborah Cannon Partridge Wolfe College of Education for additional requirements necessary for admission to and completion of the certification program. Additional educational endorsements, or certifications, may require advisement in other College of Education departments (such as the Department of Special Education or Department of Multicultural Education).

Elementary Education co-major (with major in College of Arts & Sciences) with K–5 Certification, p. 226

Completion of this major prepares one to be a teacher in elementary schools, grades kindergarten through fifth.

Candidates for this certification must complete one of the following baccalaureate programs offered by the William J. Maxwell College of Arts and Sciences: Art, Biology, Chemistry, Economics, English,

Geoscience/Geography, History, Mathematics, Music, Physics, Political Science, or Spanish.

Elementary Education co-major (with major in College of Arts & Sciences) with K–5 Certification and 5–8 Subject Endorsement, p. 226

Completion of this major prepares one to be a teacher in elementary schools, grades kindergarten through fifth, and middle schools, grades six through eight.

Candidates for this certification must complete one of the following baccalaureate programs offered by the William J. Maxwell College of Arts and Sciences: Biology, Chemistry, Economics, English, Geoscience/Geography, History, Mathematics, Physics, Political Science, or Spanish.

Preparation for K–12 Art Teacher

Certification. This degree track is listed in the Art Department section.

See page 71.

Preparation for K–12 Music Teacher

Certification. This degree track is listed in the Music, Dance, and Theatre Department section. See page 166.

Preparation for Content Area Teacher

Certification. Certification requirements can be found in the following sections:

Biology, p. 83

English, p. 114

Earth Science: Geoscience/Geography, p. 124

Mathematics, p. 144

Physical Science: Chemistry, p. 94 or Physics, p. 189

Social Studies: Economics, p. 107,

History, p. 134, or Political Science, p. 198

Spanish, p. 159

Completion of this major prepares one to be a teacher in elementary schools, middle schools, and high schools in which the content area is taught as a separate subject.

**Note:** Certification programs are subject to New Jersey Department of Education regulations. Please consult the Department of Elementary and Secondary Education for current requirements.

***Elementary Education Co-major with K–5 Certification  
(With Major in Arts & Sciences)***

Course Code	Title	Credits
BIOL 103	Human Sexual Biology	3
<i>or</i>		
BIOL104	The Human Body	3
CHEM 105	General Chemistry I	3
<i>or</i>		
CHEM 117	Principles of Chemistry	3
<i>or</i>		
GEOS 111	Principles of Earth Science	3
<i>or</i>		
PHYS 101	Basic Concepts of Physics	3
PSYC 150	Development: Birth through Adolescence	3
SOCI 114	Sociology of the Family	3
MATH 205	Problem Solving	3
INTD 149	Human and Intercultural Relations	3
Phase I		
EDU 301	Challenges in Urban Education	3
LTED 330*	Focus: Reading, Language and Literacy	3
Phase II		
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 490*	Rethinking Education	3
Phase III		
(Admissions requirements must be met before enrolling in these courses.)		
EDU 331*	Education Field Experience II	1
LTED 360*	Elementary Reading, Language, and Literacy Workshop	2
EDU 361*	Elementary Social Studies Methods	2
EDU 362*	Elementary Science Methods	2
EDU 363*	Elementary Math Methods	2
Phase IV		
EDU 485*	Classroom Management and Assessment	2
EDU 470*	Internship Seminar	2
EDU 480*	Internship	8
EDU 495*	Rethinking Teaching	3

***Elementary Education  
Co-major with K–5  
Certification and 5–8  
Subject Endorsement  
(With Major in Arts & Sciences)***

**Note:** A student's dual major must be in one of the following baccalaureate programs of the William J. Maxwell College of Arts and Sciences.

Major Requirements:

Major in Mathematics (Mathematics Specialization)—36 credits

Major in English (Literacy/Language Arts Specialization)—39 credits

Major in Biology, Chemistry, Geoscience or Physics (Science Specialization)—36 credits

Major in Spanish (World Languages/Spanish Specialization)—39 credits

Major in History or Economics or Political Science (Social Studies Specialization)—36 credits

Candidates for the 5-8 subject endorsement must complete the Elementary Education Major. In addition to EDU 490 Rethinking Education, students choose EDU 495 Rethinking Teaching or Subject Matter Specialization Course:

Literacy/Language Arts: EDU 1372

Middle and Secondary Methods of English or ENGL 313 Stories of Teaching and Learning or ENGL 318 Post Colonial Narratives or ENGL 329 World Literature

Mathematics: EDU 2372 Middle and Secondary Methods of Mathematics or MATH 511 Middle School Mathematics

Science: EDU 3372 Middle and Secondary Methods of Science

Social Studies: EDU 4372 Middle and Secondary Methods of Social Studies

World Languages/Spanish: LANG 510 Second Language Methods

## Course Descriptions

### EDU 301 CHALLENGES IN URBAN EDUCATION (3)

Students examine sociological, historical, philosophical, political, and anthropological foundations of education, to understand how these underpin life in urban classrooms, schools, and school systems. Readings and class work encourage critical perspectives on the social, political, and economic contexts that influence teaching and learning in urban schools. Field observations are required.

### EDU 330 FOCUS: DEVELOPMENT, BEHAVIOR AND LEARNING (3)

This course will emphasize the practical applications for classroom instruction of the major theories, research, concepts, and issues in the areas of human learning, development and measurement and evaluation.

**Prerequisites:** EDU 301 Challenges in Urban Education; LTED 330 Focus: Reading, Language and Literacy; PSYC 150 Developmental: Birth to Adolescence or PSYC 152 Developmental: Adolescence to Adulthood; CGPA 2.75 or higher

### EDU 33L EDUCATION FIELD EXPERIENCE II (1)

A graded field experience that General Elementary and Secondary Education majors take. Education Field Experience II will meet for the entire semester. It consists of a weekly field experience and four seminars. The attributes of the reflective urban practitioner model are discussed and practiced by utilizing real experiences and urban child care and/or educational settings where knowledge of child development can be observed and applied to Elementary and Secondary Education program practices. Special attention is devoted to the delivery of developmentally appropriate practice to children and their families.

**Prerequisites:** EDU 301 Challenges in Urban Education and LTED 330 Focus: Reading, Language and Literacy; passing score on the COE Writing Assessment

### EDU 36L ELEMENTARY SOCIAL STUDIES METHODS (2)

This course is to be taken by candidates seeking elementary teaching certification. This course helps students teach elementary school children about the social world in which they live and how it got that way. It focuses on various teaching methods that help children develop the knowledge, skills, and attitudes needed to participate in today's global community. Emphasis is on

inquiry, problem solving and discovery. Reflective practice is the goal for the education candidate. Students gain a practical hands-on experience in using current computer technology in the classroom.

**Prerequisites:** EDU 301 Challenges in Urban Education, EDU 330 Focus: Development, Behavior and Learning, and LTED 330 Focus: Reading, Language and Literacy. **Corequisites:** EDU 362 Elementary Science Methods, EDU 363 Elementary Math Methods and LTED 360 Elementary Reading and Language Workshop; minimum CGPA 2.75.

### EDU 362 ELEMENTARY SCIENCE METHODS (2)

This course is to be taken by candidates seeking elementary teaching certification. It focuses on teaching the pedagogy of elementary science and on the development of reflective practitioners. The course will concentrate on the presentation, development, and reinforcement of elementary science concepts, skills, and applications at each successive grade level. Students gain a practical hands-on experience in using current computer technology in the classroom.

**Prerequisites:** EDU 301 Challenges in Urban Education, EDU 330 Focus: Reading, Language and Literacy, and LTED 330 Focus: Reading, Language and Literacy.

**Corequisites:** LTED 360 Elementary Reading and Language Workshop, EDU 361 Elementary Social Studies Methods and EDU 363 Elementary Math Methods; minimum CGPA 2.75.

### EDU 363 ELEMENTARY MATH METHODS (2)

This course is to be taken by candidates seeking elementary certification. It focuses on the teaching of mathematics and on the development of reflective practitioners. The course will focus on the presentation, development, and reinforcement of elementary math concepts, skills and applications at each successive grade level. Students gain a practical hands-on experience in using current computer technology in the classroom.

**Prerequisites:** EDU 301 Challenges in Urban Education, EDU 330 Focus: Development, Behavior and Learning, and LTED 330 Focus: Reading, Language and Literacy. **Corequisites:** LTED 360 Elementary Reading and Language Workshop, EDU 361 Elementary Social Studies Methods and EDU 362 Elementary Science Methods; minimum CGPA 2.75.

### EDU 37L SECONDARY CURRICULUM, METHODS AND MATERIALS (3)

*Offered Fall Semesters Only*

As a course in the Secondary Education program, this course is part of the process of developing a secondary teacher who is a reflective practitioner in an urban environment. The course focuses on the teacher's exercise of his/ her responsibilities within the social context of the urban secondary school in several ways. It develops the teacher's ability to be a reflective practitioner by addressing the acquisition of knowledge, reframing of knowledge, and utilization of knowledge about instructional methods and materials, within the social context of urban secondary schools. Assignments, class discussions, activities, and readings are designed to produce reflective urban secondary teachers. Students gain a practical hands-on experience in using current computer technology in the classroom.

**Prerequisites:** EDU, 301 Challenges in Urban Education, EDU 330 Focus: Development, Behavior and Learning, and LTED 330 Focus: Reading, Language and Literacy. **Corequisites:** EDU 1372 Secondary Methods of Teaching English, or EDU 2372 Secondary Methods of Teaching Math, or EDU 3372 Secondary Methods of Teaching Science, or EDU 4372 Secondary Methods of Teaching Social Studies, or EDU 5372 Secondary Methods of Teaching a Foreign Language, and LTED 370 Secondary Reading, Language and Literacy Workshop; minimum CGPA 2.75.

### EDU 470 CONCURRENT STUDENT TEACHING SEMINAR (2)

This course is designed to continue the development of the reflective urban practitioner. It is used to help the education candidate analyze and evaluate his/her own student teaching experience and progress. Curriculum concerns of school systems involved are addressed in terms of the teaching experience. Special attention is devoted to methodology unique to the various subject areas, i.e., learning other languages, Science, Math, English, Social Studies, Art, Music, and Health. Planning, implementing, assessing and managing unique instructional methods and activities such as field trips, laboratories, workshops, and other alternate learning sites are examined.

**Prerequisite:** Admission to EDU 480 Internship. **Corequisite:** EDU 480 Internship

### EDU 480 INTERNSHIP (8)

This is a field-based experience course, and students are assigned to local and regional

public schools on a fulltime basis for a full semester. Students will observe master teachers in their own field, specialty or grade level and in other field, grade level and specialty areas. They will tutor and teach children in their certification area. They will plan for and evaluate instruction. They will plan for and conduct assessments of student learning. Students will assume the full responsibilities of a classroom teacher during the course of the semester and will be responsible for both in-class and out-of-class activities normally assigned to teachers.

**Corequisite:** EDU 470 Concurrent Student Teaching Seminar

### **EDU 490 RETHINKING EDUCATION (3)**

As one of the advanced courses in the teacher education program, this course is part of the process of developing a teacher who is a reflective practitioner in an urban environment. The course focuses on the prospective teacher's ability to understand current issues and controversies in American education within a framework of the fundamental sociological, historical, and philosophical concepts as applied to educational theory and practice. It develops the ability of the prospective teacher to be a reflective practitioner by addressing the acquisition of knowledge, reframing of knowledge, and the utilization of knowledge about the teaching/learning process from a variety of different perspectives in a variety of classroom settings. Assignments, class discussions, activities and readings are designed to help prospective teachers to be reflective teachers in urban settings.

**Prerequisite:** EDU 301 Challenges in Urban Education; minimum CGPA 2.75.

### **EDU 495 RETHINKING TEACHING (3)**

As a capstone course in the teacher education program, this course is part of the process of developing a teacher who is a reflective practitioner in an urban environment. The course focuses on the prospective teacher's ability to use and evaluate a variety of diagnostic, instructional, managerial, and effective strategies in the classroom, within specific contexts, and for specific learners. It develops the ability of the practitioner by addressing the acquisition of knowledge, reframing of knowledge, and the utilization of knowledge about the teaching/learning process from a variety of different perspectives in a variety of classroom settings. Assignments, class discussions, activities and readings are designed to help prospective teachers to be reflective teachers in urban settings.

**Pre- or Corequisite:** EDU 480 Internship; minimum CGPA 2.75.

### **EDU 485 CLASSROOM MANAGEMENT AND ASSESSMENT (2)**

This course is designed to introduce students to strategies for effectively planning classroom assignments and activities, effective assessment, managing various types of classroom behaviors, and developing instructional techniques for guiding students' learning. Activities and readings will emphasize the relationship between classroom environment and student behavior.

**Corequisites:** EDU 470 Concurrent Student Teaching Seminar, and EDU 480 Internship

### **EDU 1372 SECONDARY METHODS OF TEACHING ENGLISH (3)**

*Offered Fall Semesters Only*

This course is designed to describe the currently accepted methods of teaching English: to acquaint students with current texts, materials and equipment and to demonstrate the teaching of English standards, concepts and skills for Secondary students. Students gain practical hands-on experience in using current computer technology in the English classroom.

**Prerequisites:** EDU 301 Challenges in Urban Education, EDU 330 Focus: Development, Behavior and Learning, and LTED 330 Focus: Reading, Language and Literacy.

**Corequisites:** EDU 371 Secondary Curriculum Methods and Materials Workshop and LTED 370 Secondary Reading, Language and Literacy Workshop; minimum CGPA 2.75.

### **EDU 2372 SECONDARY METHODS OF TEACHING MATH (3)**

*Offered Fall Semesters Only*

This course is designed to describe the currently accepted Methods of Teaching Math: to acquaint students with current texts, materials, and equipment and to present the development and reinforcement of math standards, concepts, skills and application for high school students. Students gain practical hands-on experience in using current computer technology in the Mathematics classroom.

**Corequisites:** EDU 371 Secondary Curriculum Methods and Materials Workshop and LTED 370 Secondary Reading, Language and Literacy Workshop; minimum CGPA 2.75.

### **EDU 3372 SECONDARY METHODS OF TEACHING SCIENCE (3)**

*Offered Fall Semesters Only*

This course is designed to inform students of current and future standards and trends in

the teaching of science to all Americans, to acquaint students with choice resources, and to show students some approaches that can add excitement to the teaching of science. Students gain practical hands-on experience in using current computer technology in the Science classroom.

**Corequisites:** EDU 371 Secondary Curriculum Methods and Materials Workshop and LTED 370 Secondary Reading, Language and Literacy Workshop; minimum CGPA 2.75.

### **EDU 4372 SECONDARY METHODS OF TEACHING SOCIAL STUDIES (3)**

*Offered Fall Semesters Only*

This course is designed to enable the student to use various teaching techniques currently accepted in the area of Social Studies to acquaint students with current texts, materials, and equipment; and the development and reinforcement of Social Studies standards, concepts, skills and application for high school students. Students gain practical hands-on experience in using current computer technology in the Social Studies classroom.

**Corequisites:** EDU 371 Secondary Curriculum Methods and Materials Workshop and LTED 370 Secondary Reading, Language and Literacy Workshop; minimum CGPA 2.75.

### **EDU 5372 SECONDARY METHODS OF TEACHING A FOREIGN LANGUAGE (3)**

*Offered Fall Semesters Only*

This course is designed to describe the principles of language learning, to provide instruction in planning goals, and utilizing teaching methods and strategies that can maximize opportunities for the development of foreign language proficiency in listening, speaking, reading, and writing among students. Ways to integrate the teaching of language and cultures are explored. The course will acquaint students with current textbooks, materials, and equipment available for developing and reinforcing language concepts, skills and standards. It is expected that all students will demonstrate a knowledge and understanding of the written and spoken aspects of a foreign language. Students gain practical hands-on experience in using current computer technology in the Modern Language classroom.

**Corequisites:** EDU 371 Secondary Curriculum Methods and Materials Workshop and LTED 370 Secondary Reading, Language and Literacy Workshop; minimum CGPA 2.75.



# LITERACY EDUCATION

## Education and Professional Studies

Building, Rm. 345

201-200-3521

[http://www.njcu.edu/academics/edu\\_minor\\_literacy\\_ed.asp](http://www.njcu.edu/academics/edu_minor_literacy_ed.asp)

**Dr. Jill Lewis-Spector and Dr. Mary Alice McCullough, Co-Chairpersons**  
 jlewis@njcu.edu, mmccullough@njcu.edu

**Professor: Lewis-Spector**

**Associate Professor: Levin, Parsons**

**Assistant Professors: Gee Woo, McCullough**

The Literacy Education Department offers one minor program track. Course requirements are explained below.

## *Minor in Literacy Education*

A minor in literacy education may be attained by completing 24 credits from the following list of courses, with the approval of a faculty advisor from the Literacy Education Department.

Course requirements for the completion of the minor are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisite are listed with the course descriptions that follow.

Course Code	Title	Credits
LTED 270	Emerging Literacy at Home and School	3
LTED 301*	Language Arts	3
LTED 302*	Role of Reading in the Secondary School	3
LTED 303*	The Teaching of Reading	3
LTED 304*	Current Theory and Practice	3
LTED 305	Literacy Workshop for Pre-Service Teachers	3
LTED 307*	Nature of Reading Disabilities Workshop	3
LTED 308*	Field Work in Reading	3
LTED 310	Solving Reading Problems of the Urban Learner	3
LTED 315*	Personalized Reading Instruction	3
LTED 316*	Workshop in Strategies for Teaching of Reading	3
LTED 317*	Evaluation and Diagnostic Techniques in Reading	3
LTED 326*	Reading in the Content Areas	3
LTED 329*	Role of Language in Reading	3
LTED 330	Focus: Reading, Language and Literacy	3
LTED 333*	Role of Literature in Teaching Reading	3
LTED 341*	Teaching Reading through Writing	3
LTED 350*	Early Childhood Reading, Language and Literacy Workshop	2
LTED 360*	Elementary Reading and Language Workshop	2
LTED 370*	Secondary Reading and Language Workshop	2
LTED 400*	Reading and Language for Gifted and Creative	3

## *Course Descriptions*

### **LTED 101 READING AND STUDY SKILLS (3)**

This course focuses on reading improvement and on the development of academic literacy. Students learn to use textbooks with both understanding and efficiency and receive instruction in such study strategies as note taking and test taking. Major emphasis is placed on preparing students for academic success. Both personalized and cooperative instruction techniques are employed.

### **LTED 102 CRITICAL AND EFFICIENT READING (3)**

This course helps students develop critical reading-thinking skills in order to analyze and evaluate printed materials encountered in an academic setting. Personalized and group instruction techniques are employed in this course.

### **LTED 109 LEARNING STRATEGIES (3)**

This course offers strategies for systematic study in particular academic disciplines. There is a focus on addressing the needs of individual students enrolled in a paired core course.

### **LTED 270 EMERGING LITERACY AT HOME AND SCHOOL (3)**

This course is part of the process of developing an early childhood professional who is a reflective practitioner in an urban environment. The focus of this course is on examining the theories and practices that shape early childhood literacy development and instruction. Topics include language development, emergent literacy, family literacy and its relationship to children, and family and school working together. Strategies will be addressed for developing concepts about print, phonemic awareness, acquisition of word meaning, comprehension, and connecting reading and writing.

**LTED 301 LANGUAGE ARTS (3)**

This course studies the interrelationships of reading, writing, speaking and listening, particularly in an urban, multicultural setting. Also presented in this course is how classroom teachers can effectively teach communication arts as reciprocal processes. This course also reviews recent research on integration of the communication arts.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 302 ROLE OF READING IN THE SECONDARY SCHOOL (3)**

This course places special emphasis on the utilization of effective instructional and learning strategies and materials to facilitate content area literacy of diverse learners in grades 6-12.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 303 THE TEACHING OF READING (3)**

This course is designed to train preparatory teacher education students in the basic principles of the teaching of reading. The course endeavors to facilitate their teacher training by introducing them to research practices and teaching strategies in reading. Effective pedagogical practices in the differentiation of literacy instruction are also emphasized.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 304 CURRENT THEORY AND PRACTICE (3)**

This course examines important research (traditional and current) that deals with theoretical and practical higher level thinking skills - key aspects of literacy development. Topics include, but are not limited to, schema theory, metacognition, learning and instructional strategies and technology, phonemic awareness, authentic assessment, multicultural literature, and effective school practices.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 305 LITERACY WORKSHOP FOR PRE-SERVICE TEACHERS (3)**

This intensive, integrated reading/writing workshop is designed to provide enhancement of literacy skills for pre-service teachers and to offer review and preparation for the College of Education Test of Writing and Reading.

**LTED 307 NATURE OF READING DISABILITIES WORKSHOP (3)**

This course is designed for special education majors to provide a workshop of literacy education as it relates to individuals or students with disabilities. Areas of emphasis

include: methods of diagnosis and assessment, strategies for teaching literal/interpretive/evaluative comprehension, word recognition, word meaning and concepts, the reading-writing connection, methods for infusing reading across the curriculum, and the characteristics of effective literacy teaching and learning. Emphasis is placed on literacy in the inclusive classroom.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 315 PERSONALIZED READING INSTRUCTION (3)**

This course is designed to deal with the organizational and technical skills needed for personalized reading instruction in an urban, multicultural setting. Emphasis is placed on differential roles of cognitive learning, diversified and developmentally appropriate instructional practices at all levels, self-directed learning, personalized literature prescriptions, technology and software evaluation, and a variety of language arts teaching strategies.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 316 WORKSHOP IN STRATEGIES FOR TEACHING OF READING (3)**

This is an application (how to) course for preservice teachers seeking teaching certification at any level. The purpose of the course is to involve students in pragmatic learning experiences that focus on using instructional materials for purposes of literacy education, especially with the urban learner. The use of trade books, computer software and hardware, other commercially prepared and printed resources, as well as teacher-made materials is included.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 317 EVALUATION AND DIAGNOSTIC TECHNIQUES IN READING (3)**

This course is designed to provide an understanding of literacy evaluation ranging from informal, teacher-made assessment of students to standardized classroom testing and assessment. Another focus of the course is utilization of findings for informal diagnostic teaching by addressing individual needs and by emphasizing the existing strengths of each learner.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 329 ROLE OF LANGUAGE IN READING (3)**

This course deals with the basic elements of language and explains the role of language in relation to the reading process and the

interrelationships among language development, cognition, and learning. Emphasis is placed on the language cue systems and their functions in the development of reading proficiency.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 330 FOCUS: READING, LANGUAGE AND LITERACY (3)**

This course is designed to introduce all students seeking teaching certification to the concepts of contemporary literacy and literacy instruction including literacy in the workplace and the community at large. Particular attention is devoted, however, to literacy and language arts education in the school, grades pre K-12, proceeding from understanding of the reading process to cognitive-linguistic bases, and to the concepts and tasks involved in literacy instruction in grades pre K-12.

*Prerequisite:* EDU 350 Urban Challenges in Education.

**LTED 333 ROLE OF LITERATURE IN TEACHING READING (3)**

This course provides prospective teachers with knowledge of books and technology in children's and adolescent literature. The major thrust is to learn about materials and methodologies to aid in developing and implementing literature-based reading programs. Particular emphasis is given to enjoyment and aesthetic experiences for students in urban and multicultural settings.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 341 TEACHING READING THROUGH WRITING (3)**

This course helps pre-service teachers plan programs based on the relationship and mutuality of reading and writing. Journal keeping, authoring, reflective activities and critical thinking are explored in developmentally appropriate classroom contexts across the curriculum.

*Prerequisite:* LTED 330 Focus: Reading, Language and Literacy

**LTED 350 EARLY CHILDHOOD/ READING, LANGUAGE AND LITERACY WORKSHOP (2)**

This course is offered to students seeking early childhood teaching certification. It focuses on how literacy begins and develops in infancy through grade three, addressing the influences of the home as well as the school. Emergent literacy and the role of the home, parents, and day care programs are analyzed in depth. In addition, classroom organization, special learning needs, diagnosis, and

evaluation techniques are addressed.

**Prerequisite:** LTED 270 Emerging Literacy at Home and School

**LTED 360 ELEMENTARY READING, AND LITERACY WORKSHOP (2)**

This course is offered to students seeking elementary teaching certification. It focuses on how literacy develops, addressing the influences of the home as well as the school. Requisites for reading and language arts instruction are analyzed, and the goals and organization of elementary reading and language arts programs are reviewed. Strategies to promote interest and independence in reading, as well as methodology for developing language/communication/reading skills are presented. The use of Basal readers and other developmental approaches are presented. Methods for elementary classroom organization and the special needs of urban children are addressed. In addition, evaluation and diagnostic techniques are analyzed.

**Prerequisite:** LTED 330 Focus: Reading, Language and Literacy

**LTED 370 SECONDARY READING, LANGUAGE AND LITERACY WORKSHOP (2)**

This course, which is required for students seeking certification in a secondary content area, focuses on the utilization of various learning and instructional strategies to improve literacy across the curriculum. Among the topics explored are: vocabulary, comprehension and study skills, strategies for content reading, critical thinking, selecting, textbooks, thematic instruction, integrated instruction, schema development, and writing across the curriculum.

**Prerequisite:** LTED 330 Focus: Reading, Language and Literacy

**LTED 1470 CONCURRENT LANGUAGE ARTS SEMINAR—EARLY CHILDHOOD EDUCATION (1)**

This course focuses on specific language arts methods, materials and techniques appropriate to the internship settings. This course is taken by students during their Internship semester.

**Prerequisites:** LTED 270 Emerging Literacy at Home and School, and LTED 350 Early Childhood Reading, Language and Literacy.

# MULTICULTURAL EDUCATION

Education and Professional Studies

Building, Rm. 209

201-200-3380

[http://www.njcu.edu/academics/college\\_education.asp](http://www.njcu.edu/academics/college_education.asp)

**Dr. Jeong Alexis Kim, Chairperson**  
[akim@njcu.edu](mailto:akim@njcu.edu)

**Professors: Farina, Graham, Herrero, Klosek, Napoliello**  
**Assistant Professor: Kim, Radanovic-Kosic**

The Department of Multicultural Education offers course work leading to an endorsement of Teacher of Bilingual Education or Teacher of English as a Second Language (ESL). This course work must be completed along with degree requirements for certification in Elementary or Secondary Education.

***Bachelor of Arts with Dual Certification Program in Early Childhood Education or Elementary Education and Teacher of Bilingual Education or Teacher of English as a Second Language Endorsement***

Completion of this program (and New Jersey State certification) prepares one to assume the responsibilities of a bilingual education teacher or teacher of English as a Second Language as well as an elementary education teacher in private or public schools. Elementary Education majors pursuing certification in bilingual or ESL Education must also have an academic major: English, Mathematics, Geoscience, Chemistry, Physics, Biology, Spanish, or History. Students interested in Teacher Certification in Bilingual Education or teaching English as a Second Language (ESL) should arrange an advisement appointment regarding the certification requirements.

## Course Descriptions

**MCC 400 GENERAL LINGUISTICS AND MULTICULTURAL EDUCATION (3)**

This course analyzes scientifically the nature of language and its component parts. The major contemporary theories of language are examined, including structural linguistics and transformational generative grammar. Language families, language change, and the sociology and psychology language are also examined.

**MCC 403 APPLIED LINGUISTICS WITH EMPHASIS ON SECOND LANGUAGE EXPERIENCE (3)**

This course examines the latest research on second language acquisition and the interaction between first and second languages.

**MCC 404 PHONOLOGY AND STRUCTURE OF AMERICAN ENGLISH (3)**

This course analyzes the sound system and grammatical structure of American English as it applies to the teaching of English as a second language.

**MCC 405 INTRODUCTION TO BILINGUAL/BICULTURAL EDUCATION (3)**

The course provides a comprehensive analysis of the current state of bilingual education in the United States. It discusses the legal and educational aspects of bilingual policy making and implementation, the impact of evaluation on program design and funding, the reliability of assessment instruments, and the future of bilingual education from the viewpoint of demographic trends and social equity. The course emphasizes the relationship between English as a second language issues and bilingual education.

**MCC 407 THEORY AND PRACTICE IN TEACHING THE BILINGUAL CHILD IN THE CONTENT AREAS (3)**

This course deals with the theory and practice of education for ethnolinguistic minority students at both elementary and secondary levels. Emphasis is placed on the approaches to the teaching of language arts, mathematics, science, and social studies. Relevant materials are presented to illustrate the classroom implementation of bilingual instruction.

**MCC 408 LANGUAGE, CULTURE, AND COMMUNICATION (3)**

This course examines the linguistic, cultural, and social factors affecting the intellectual and psychosocial development of bilingual children in a culturally pluralistic environment. The analysis of these factors is

used as a foundation for the consideration of their practical consequences and implications for the education of bilingual children.

**MCC 409 PSYCHOLINGUISTICS AND MULTICULTURAL EDUCATION (3)**

This course introduces the psychology of language through the exploration of the acquisition of syntax and semantics, the effects of language on memory and cognitive development, the neurological bases of language, learning and cognition, and views of speech and thought in at least two diverse languages.

**MCC 410 MULTICULTURAL EDUCATION AND SOCIOLINGUISTICS (3)**

This course provides an in-depth analysis of language in social contexts. It addresses such important issues as language attitudes and language choice, the significance of language varieties, and the impact of language policy and language conflict on ethnic identity. The theory and practice of language planning and the role of language in education are examined. Case studies and fieldwork assignments familiarize students with concrete research findings.

**MCC 411 THEORIES OF LANGUAGE TEACHING (2)**

This course is offered concurrently with 412 Observation of ESL. Students learn the history and theoretical backgrounds for the grammar-translation method, the direct method, the audio-lingual method, etc. The philosophies of cognitive code learning, the Silent Way, Counseling-Learning and other new approaches are discussed and experienced.

*Corequisite:* 412 Observation of ESL

**MCC 412 OBSERVATION OF ESL (1)**

This course is offered concurrently with 411 Theories of Language Teaching. Students are asked to attend approved programs and observe ESL teaching by teachers who have expertise in using one or more of the following methods: the grammar-translation method, the direct method, the audio-lingual method, etc.

*Corequisite:* 411 Theories of Language Teaching

**MCC 417 FIELD EXPERIENCE IN BILINGUAL/BICULTURAL EDUCATION (3)**

Student teachers are given an opportunity to observe and participate in a bilingual/bicultural field experience at the early childhood, elementary, or secondary level. They are supervised on the job and meet in seminar groups to evaluate their experience.

**MCC 427 HISTORICAL AND CULTURAL BACKGROUND OF LIMITED ENGLISH PROFICIENT STUDENTS (3)**

This course examines the acculturation of language minority students in American Schools. Topics include: socialization and discourse practices that contribute to the variety of cognitive styles of ethnolinguistic and bilingual students; the psychological and social factors that facilitate development of or inhibit their self-image, as well as the ability to function within a culturally diverse society; the relationships between bilingualism and intelligence, socioeconomic factors and psycholinguistic processes that affect ways in which children develop literacy skills; psychological and pedagogical consequences of schooling, including bilingual programs, immersion, and submersion strategies; the concepts of "space" and "time" as being culturally imbedded and their relevance to the bilingual educational setting; and the role of assessment in bilingual schooling.

**MCC 455 METHODS OF TEACHING ESL (3)**

Students observe, practice, and develop practical techniques for teaching listening, speaking, reading, and writing skills to learners of English as a second language. Students are involved in peer teaching and demonstrations of various methodologies. Emphasis is placed on classroom management, testing, and developing creative materials that foster communication.

## SPECIAL EDUCATION

Education and Professional Studies  
 Building, Rm. 350  
 201-200-3023  
[http://www.njcu.edu/academics/college\\_education.asp](http://www.njcu.edu/academics/college_education.asp)

**Dr. Tracy Amerman, Chairperson**  
[tamerman@njcu.edu](mailto:tamerman@njcu.edu)

**Professor: Hurwitz**  
**Associate Professors: Amerman, Fleres, Friedland, McCabe, Nkbinde, Taylor, Yacobacci**

The Special Education Department offers course work leading to an endorsement of Teacher of Students with Disabilities, Certificate of Eligibility with Advanced Standing. This course work must be completed along with degree requirements for certification in Elementary Education.

### *Bachelor of Arts with Dual Certification Program in Elementary Education and Teacher of Students with Disabilities Endorsement*

Completion of this program (and New Jersey State certification) prepares one to assume the responsibilities of special education teacher as well as an elementary education teacher in private or public schools. Elementary Education majors pursuing certification in Special Education must also have an academic major: English, Mathematics, Geoscience, Chemistry, Physics, Biology, Spanish, or History.

Eligibility for teacher certification, as an Elementary School Teacher and Teacher of Students with Disabilities, by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program, a passing score on a Praxis II examination, and whatever minimum CGPA has been put into effect by the State at the time a graduate's application for certification arrives at the New Jersey Department of Education.

Course Code	Title	Credits
INTD 149	Human and Intercultural Relations	3
Tier 1		
SPEC 250	Psychological and Educational Needs of Exceptional Children	3
SPEC 251*	Introductory Field Experience— co-requisite to SPEC 250	1
SPEC 310	Communication Disorders in Children	3
SPEC 340	Behavior Handicaps in Children	3
Tier 2		
SPEC 330	Psychology and Educational Needs of the Mentally Retarded	3
SPEC 350	Psychology and Educational Needs of the Learning Disabled	3
SPEC 325	Remediation of Basic Skills	3
Tier 3		
SPEC 508	Helping the Exceptional Child and Youth in the Regular Classroom	3
SPEC 405	Computer Applications in Special Education	3
Tier 4 These courses must be taken concurrently		
SPEC 352*	Junior Field Experience/Seminar	1
Tier 5 – These courses must be taken concurrently		
EDU 361	Elementary Social Studies Workshop	2
EDU 362	Elementary Science Workshop	2
EDU 363	Elementary Math Workshop	2
LTED 360	Elementary Reading, Language & Literacy Workshop	2
Tier 6		
EDU 480	Internship (Must be in an inclusive setting)	8
EDU 470	Concurrent Student Teaching Seminar	2

### *Course Descriptions*

#### **SPEC 250 INTRODUCTION TO EDUCATION AND PSYCHOLOGY OF EXCEPTIONAL CHILDREN AND YOUTH (3)**

This course is an overview of the needs of exceptional children. The course focuses on the identification of handicaps and the use of individual and group processes for children having hearing losses, visual problems, speech disorders, emotional-social handicaps, and intellectual deviations. It is strongly recommended that students begin the special education program with this course.

#### **SPEC 251 INTRODUCTORY FIELD EXPERIENCE (1)**

This course includes a minimum of 30 hours of field experience in schools and/or agencies working with children or adults with disabilities. The field experience is occurs in partnership districts and/or community agencies in those districts. Candidates will observe and document their findings and be introduced to key assessments.

**Corequisite:** SPEC 250 Introduction to Education and Psychology of Exceptional Children and Youth

#### **SPEC 310 COMMUNICATION DISORDERS (3)**

This course studies functional speech and communication problems, their nature and causes, diagnostic and therapeutic procedures and materials for the more common communication disorders. Emphasis is placed on speech and language development, articulation problems, and stuttering.

#### **SPEC 315 PSYCHOEDUCATIONAL ASSESSMENT FOR SPECIAL EDUCATION (3)**

This course includes presentation, demonstration, and interpretation of techniques of individual psychological examination of exceptional children and youth. The course also discusses various standardized and teacher-made instruments for evaluating the intellectual, perceptual, social, and emotional competence of handicapped children, and necessary adaptations for the various types of handicaps.

#### **SPEC 320 EDUCATIONAL NEEDS OF THE PRESCHOOL CHILD WITH DISABILITIES (3)**

This course is intended to orient the prospective special education teacher to young children with special needs. Curriculum considerations, the role of parents in the education of their handicapped child, an understanding of child development and deviations from the norm, and individualized educational planning are topical

areas. Goals of the course are to provide students with competencies in observation, prescriptive teaching, and in improving communication with parents of children with special needs.

#### **SPEC 325 REMEDIATION IN THE BASIC SKILLS (3)**

This course is an overview of diagnostic teaching techniques. By employing diagnostic skills, various remediation techniques are covered. Curriculum materials, teaching methods and equipment, educational kits, etc. are introduced.

#### **SPEC 330 PSYCHOLOGY AND EDUCATIONAL NEEDS OF THE CHILD WITH MENTAL RETARDATION (3)**

This course is an introduction to the field of mental retardation including a study of biological, sociological, and psychological theory and research. Recommended teaching techniques are presented.

#### **SPEC 340 BEHAVIORAL DISABILITIES IN CHILDREN (3)**

This course is an in-depth consideration of the nature and needs of children with behavioral handicaps. This course deals with problems of etiology, classification, and educational management of the broad spectrum of emotional and social maladjustment. Special reference is made to the problems of children who require special education services. Fieldwork participation is an integral part of the course.

#### **SPEC 350 PSYCHOLOGY AND EDUCATIONAL NEEDS OF THE LEARNING DISABLED (3)**

This course covers etiology, types, associated handicapping conditions, suggested procedures for evaluating levels of disabilities, and suggested procedures for dealing with these disabilities.

#### **SPEC 351 METHODS FOR TEACHING CHILDREN WITH PHYSICAL/MULTIPLE DISABILITIES (3)**

This course orients the student to methods, materials and program planning for teaching the special education child who is orthopedically handicapped. This course also covers causes of this type of handicap, such as cerebral palsy, muscular dystrophy, spina bifida, and other disorders.

#### **SPEC 352 JUNIOR FIELD EXPERIENCE (1)**

This course is a full-semester (one full day per week) field experience, observing students in public school settings. Students take this course during their junior year.

**Prerequisite:** SPEC 250 Introduction to Education and Psychology of Exceptional Children and Youth, SPEC 310 Communi-

cation Disorders and SPEC 315 Psychoeducational Assessment for Special Education

#### **SPEC 405 COMPUTER APPLICATIONS IN SPECIAL EDUCATION (3)**

This course is designed to familiarize the teacher candidate with the many and varied uses of computer technology in special education. Areas covered include computer technology in the classroom and adaptive and augmentative communication for individuals with disabilities.

#### **SPEC 508 HELPING EXCEPTIONAL CHILDREN AND YOUTH IN THE REGULAR CLASSROOM (3)**

This course offers a discussion of the identification of children with special problems, emphasizing the mainstream and inclusive educational settings. Use of all pupil-personnel services for the support of the exceptional child in regular classrooms is advocated. Special methods and materials used by teachers in regular classroom settings are explored. Appropriate uses of instructional and assistive technology are explored.

# COLLEGE OF PROFESSIONAL STUDIES

**Education and Professional Studies**  
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**201-200-3321**  
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## MISSION

The mission of the College of Professional Studies is to educate individuals from diverse communities to succeed in their professional goals and personal aspirations, and to effectively contribute to society.

Students seeking careers in business administration, criminal justice, fire science, health sciences, nursing, and professional security studies have for years been prepared to assume leadership positions in their chosen professions by the College of Professional Studies. Our faculty, experts in their disciplines and actively involved in their professions, collaborate with students to shape the most appropriate learning experiences. These experiences provide opportunities to: Be knowledgeable in their disciplines, think analytically, conceive creative and effective solutions, acquire technological skills, and engage in thoughtful, ethical and philosophical inquiry. The College provides an excellent, student-centered education by means of a comprehensive liberal arts curriculum combined with a professional, theoretical and applied experience. Our graduates, educated in a university, which is an integral part of its "urban home," have developed the interpersonal skills, communication techniques and cultural insight necessary to effectively contribute and succeed in our global community.

## THE GENERAL STUDIES PROGRAM

The General Studies Program at New Jersey City University is offered through the William J. Maxwell College of Arts and Sciences. Of the 128 credits needed for graduation, each student is required to complete 66 credits of General Studies Program courses, which serve to broaden students' perspectives of the nature of humankind and the world in which they live. The General Studies Program introduces students to the fundamental realms of knowledge in the areas of the natural sciences, social sciences, arts and media, humanities, multicultural disciplines, languages, and quantitative reasoning, and computer literacy. Study in each of these areas makes a unique contribution to human rationality and feeling.

## ACADEMIC PROGRAMS

The curricular requirements for the degrees, majors and specializations offered to New Jersey City University students by the College of Professional Studies appear on the following pages, along with descriptions of the courses offered by each department.

Note: A course with a prerequisite is one which cannot be taken until the prerequisite course is completed. That may require the completion of a specified course(s) or a minimum grade in a particular course or group of courses, or permission of the chairperson. A course with a corequisite is a course that must be taken during the same semester as the corequisite course.

## PARTNERSHIPS

The College of Professional Studies offers degree programs in Business Administration, Criminal Justice, Fire Science, and Professional Security Studies through the NJ Coastal Communiversities, in which NJCU is one of five members. The Communiversities is the first alliance of its kind in New Jersey, and one of only a handful nationwide. The Communiversities members are:

Brookdale Community College  
 Georgian Court College  
 Montclair State University  
 New Jersey City University  
 New Jersey Institute of Technology  
 Rutgers, The State University  
 of New Jersey

The College of Professional Studies also partners with the University of Medicine and Dentistry of New Jersey (UMDNJ) and several of New Jersey's county and community colleges.

Please contact the individual department chairpersons for further information.

## BUSINESS ADMINISTRATION

### Education and Professional Studies

Building, Rm. 414

201-200-3353

<http://web.njcu.edu/sites/ProfStudies/businessadmin>

### Prof. Marilyn Ettinger, Chairperson

[mettinger@njcu.edu](mailto:mettinger@njcu.edu)

### Professors: Egan, Ettinger, Kinory,

Ramos-Alexander, Shalaby, Williams

Associate Professors: Craven, Laski, Li,

Maguire, Matthews, Nass, O'Neal,

Overton, Riotto, Stern, Young

Assistant Professors: Chen, Cole, Engels,

Griffin

The Business Administration Department was founded in 1979 and has since developed a broad selection of programs to meet the needs of business employers and students. All Business Administration programs are accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

The mission of the Business Administration Department is to develop individuals with effective leadership and critical thinking skills, discipline-related competencies, and comprehension of the ethics and dynamics of the business environment.

The curricula provide a strong academic base for continuing education, including professional development, graduate study and life-long learning. Program learning outcomes include the communication and technological behaviors required to function effectively in a multicultural and diverse economic community; the problem-solving and decision-making techniques that are critical to navigate an uncertain business environment; and the discipline-related skills in accounting, finance, marketing, and management that are needed to compete in a dynamic business environment.

The Department is organized with four operating units and coordinators, as follows:

- Accounting and Law: Dr. Joseph Riotto, Coordinator ([jriotto@njcu.edu](mailto:jriotto@njcu.edu))
- Finance: Dr. George Li, Coordinator ([gli@njcu.edu](mailto:gli@njcu.edu))
- Management and International Business: Dr. John Laski, Coordinator ([jlaski@njcu.edu](mailto:jlaski@njcu.edu))

- Marketing and Tourism: Prof. Susan Williams, Coordinator ([swilliams2@njcu.edu](mailto:swilliams2@njcu.edu))

Bachelor of Science in Accounting, p. 237  
Bachelor of Science in Accounting—Bridge Program to the Master of Science in Accounting, p. 238

Bachelor of Science in Finance, p. 238

Bachelor of Science in Business Administration—International Business, p. 239

Bachelor of Science in Management, p. 240

Bachelor of Science in Marketing, p. 241

Bachelor of Science in Business Administration—Travel and Tourism Management, p. 242

Minor in Business Administration, p. 243

Minor in Travel and Tourism

Management, p. 243

The Department sponsors a chapter of Delta Mu Delta (DMD), the National Honor Society in Business Administration, founded in 1913 to promote higher scholastic achievement in business subjects. Business majors who have attained a 3.5 cumulative grade point average (CGPA) are invited to become members of DMD in their junior and senior years. DMD initiates are honored at the annual alumni dinner hosted by the Business Administration Department. Delta Mu Delta membership provides recognition of academic excellence, networking opportunities, and lifelong contacts through the Delta Mu Delta newsletter. Dr. John Egan is the coordinator for the Delta Mu Delta chapter at New Jersey City University. He can be reached by email at [jegan@njcu.edu](mailto:jegan@njcu.edu).

Business Administration students and other members of the campus community may join the Business Society, an umbrella organization created in part from the membership of the separate business clubs. The Business Society crosses over the functional areas of business, bringing together all individuals who have an interest in the global business community. The Society's mission is to create opportunities to expand the members' knowledge of the business world; establish student interaction with the community; provide occasions to meet and hear professionals in various fields; and encourage students to develop professionalism, leadership skills, and industry contacts. The Business Society is a member of Students in

Free Enterprise (SIFE). This association has the backing of WalMart, Radio Shack, and other large companies who offer students jobs, scholarships and competitions. The Business Society, through the Department, holds membership in many professional organizations: SAM (management), HRIS (human resources), FMA (finance), AMA (marketing), IMA and AICPA (accounting).

The Business Society sponsors guest lecturers, field trips, job search activities, and mentoring programs. While all Business faculty are members and advisors to the Society, the primary faculty advisors are Professors Craven, Nass, and Ramos-Alexander. For current information about the Society, contact one of them or visit the Business Society web site at <http://www.njcu.org>.

The Business Administration Department annually participates in the Volunteers for Income Tax Assistance (VITA) program, providing free tax preparation assistance to members of the community who do not have access to paid preparers.

The Department has established a chapter of Students in Free Enterprise (SIFE), a national organization that promotes competition among student teams engaged in the solution of business problems.

The Business Administration Department offers more than one degree program. Requirements for admission, fields of employment, continued areas of education, and course requirements for each of these are explained in detail on the following pages. General Studies Program requirements for graduation are listed on **page 26**, "Undergraduate Requirements." Where appropriate, transfer credits in Business Administration from other accredited U.S. institutions can be applied directly to 200-level course requirements, while 300- and 400-level courses must be successfully completed at New Jersey City University.



**Bachelor of Science  
in Accounting**

Effective with the fall 2010 semester, completion of this major leads to the Bachelor of Science degree in Accounting, revised from the Bachelor of Science degree in Business Administration with a specialization in Accounting.

Completion of this major prepares one for a career as an auditor, tax preparer, or budget analyst. Continued study may include a master's and/or doctoral degree in business, public administration, or law.

The requirements for admission to this degree track are:

1. a minimum cumulative grade point average (CGPA) of 2.5;
2. completion of at least 42 credits, including the All University Requirements and the following specific pre-major courses:
  - BUSI 201 Introduction to Business
  - BUSI 251 Principles of Accounting I
  - BUSI 252\* Principles of Accounting II
  - ECON 207 Principles of Economics: Macro
  - ECON 208 Principles of Economics: Micro
  - MATH1165\* Precalculus for Business
3. a minimum CGPA of 2.5 in all BUSI courses already completed.

Transfer students must have completed at least 12 credits at NJCU, with an minimum CGPA of 2.5 and a minimum CGPA of 2.5 in all BUSI courses already completed; and

All courses taken at NJCU to satisfy Business Administration major requirements after September 1, 2007 require a minimum grade C. Major classes attempted after September 1, 2007, in which a grade below C was earned are not eligible to meet degree requirements. Students who are unwilling or unable to comply with this policy are advised to withdraw from the major.

Course requirements for completion are listed below. Course codes with asterisks (\*), including those listed above as required pre-major courses, have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
BUSI 201 <sup>1</sup>	Introduction to Business	3
BUSI 203*	Business Statistics	3
BUSI 211*	Principles of Management	3
BUSI 231*	Principles of Marketing	3
BUSI 251 <sup>1</sup>	Principles of Accounting I	3
BUSI 252* <sup>1</sup>	Principles of Accounting II	3
BUSI 281	Business Law	3
BUSI 282*	Business Law II	3
BUSI 351*	Intermediate Accounting I	3
BUSI 352*	Intermediate Accounting II	3
BUSI 354*	Cost Accounting	3
BUSI 371*	Managerial Finance	3
BUSI 401*	Accounting Information Systems	3
BUSI 411*	Business Policy	3
BUSI 451*	Auditing	3
BUSI 452*	Government/Nonprofit Accounting	3
BUSI 453*	Problems in Federal Tax	3
BUSI 454*	Advanced Accounting	3
BUSI 552*	Seminar: Tax and Current Issues	3
CS 2142	Business Applications on the Microcomputer I	3
ECON 207 <sup>1,2</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1,2</sup>	Principles of Economics: Micro	3
ECON 364*	Money and Banking	3
ENGL 200*	Writing for Business	3
MATH 1165* <sup>1,2</sup>	Pre-calculus for Business	3

*Elective: Select a minimum of three credits from international BUSI courses.*

**Notes:** <sup>1</sup> Taken as a pre-major required course.

<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

### ***Bachelor of Science in Accounting—Bridge Program to the Master of Science in Accounting***

The combined Bachelor of Science/Master of Science in Accounting Bridge Program was established in the spring 2009 semester to better serve the needs of NJCU undergraduates who intend to enter the accounting profession. This 150-credit program (120 undergraduate credits and 30 graduate credits) allows full-time students to meet the current educational requirements for Certified Public Accountant (CPA) licensure in New Jersey within a five-year time frame (longer for part-time students).

Undergraduate students who have been accepted to the Bachelor of Science in Accounting program (see above) and who wish to follow with the Master of Science in Accounting program may apply for admission to the Bridge Program during the semester in which they will have completed 90 undergraduate credits. A minimum of 9 undergraduate credits in Accounting, including BUSI 352 Intermediate Accounting I, are required to have been completed with grades of B or better. Applicants must have a minimum CGPA of 3.00 and a minimum 3.25 CGPA in Accounting and other business courses. Completed applications must be submitted by November 1 for the following spring term and by April 1 for the following fall term.

Once accepted into the program, students must take BUSI 651 Professional Auditing, BUSI 652 Strategic Profitability Analysis: Accounting for Managers, and BUSI 653 Taxation of Business Entities in lieu of BUSI 451, Auditing, BUSI 354, Cost Accounting, and BUSI 552 Seminar in Taxation, reducing the number of required undergraduate credits by up to 9, from a minimum of 129 to 120. Students in the Bridge Program pay undergraduate tuition rates for these three graduate courses that count toward the undergraduate degree. Students who previously one or two of these courses at the undergraduate level can still benefit from the Bridge Program.

Students who successfully complete these three graduate courses and all undergraduate requirements will be cleared for their B.S. degrees, and upon meeting graduate grading policies and admissions requirements, will be matriculated into the M.S. in Accounting program. Students in the graduate phase of the Bridge Program are expected to maintain a minimum GPA of 3.0 to be in good academic standing.

### ***Bachelor of Science in Finance***

Effective with the spring 2011 semester, completion of this major leads to the Bachelor of Science degree in Finance, revised from the Bachelor of Science degree in Business Administration with a specialization in Finance.

Completion of this major prepares one for a career as a cash manager, credit manager, bank loan officer, securities analyst, commodities/foreign currency trader, stock broker, etc. Continued study may include a master's and/or doctoral degree in business, public administration, or law.

The requirements for admission to this degree track are:

1. a minimum cumulative grade point average (CGPA) of 2.5;
2. completion of at least 42 credits, including the All University Requirements and the following specific pre-major courses:  
 BUSI 201 Introduction to Business  
 BUSI 251 Principles of Accounting I  
 BUSI 252\* Principles of Accounting II  
 ECON 207 Principles of Economics: Macro

- ECON 208 Principles of Economics: Micro  
 MATH 1165\* Precalculus for Business  
 3. a minimum CGPA of 2.5 in all BUSI courses already completed.

Transfer students must have completed at least 12 credits at NJCU, with a minimum CGPA of 2.5 and a minimum CGPA of 2.5 in all BUSI courses already completed; and

All courses taken at NJCU to satisfy Business Administration major requirements after September 1, 2007 require a minimum grade C. Major classes attempted after September 1, 2007, in which a grade below C was earned are not eligible to meet degree requirements. Students who are unwilling or unable to comply with this policy are advised to withdraw from the major.

Course requirements for completion are listed below. Course codes with asterisks (\*), including those listed above as required pre-major courses, have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
BUSI 201 <sup>1</sup>	Introduction to Business	3
BUSI 203* <sup>1</sup>	Business Statistics	3
BUSI 211*	Principles of Management	3
BUSI 231*	Principles of Marketing	3
BUSI 241	International Business	3
BUSI 251 <sup>1</sup>	Principles of Accounting I	3
BUSI 252* <sup>1</sup>	Principles of Accounting II	3
BUSI 272	Investment Principles & Analysis	3
<i>or</i>		
ECON 271	Investment Principles	3
BUSI 281	Business Law I	3
BUSI 364*	International Finance	3
BUSI 371*	Managerial Finance	3
BUSI 411*	Business Policy	3
BUSI 473*	Portfolio Analysis	3
BUSI 474*	Capital Markets and Financial Institutions	3
BUSI 571*	Issues in Corporate Finance	3
CS 214 <sup>2</sup>	Business Applications on the Microcomputer I	3
ECON 207 <sup>1,2</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1,2</sup>	Principles of Economics: Micro	3
ECON 364*	Money and Banking	3
ENGL 200*	Writing for Business	3
MATH 1165* <sup>1,2</sup>	Pre-calculus for Business	3

*Electives: Select a minimum of eight credits from BUSI courses and/or the Cooperative Education program.*

**Notes:** <sup>1</sup> Taken as a pre-major required course.

<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—"Undergraduate Requirements."

**Bachelor of Science in  
Business Administration—  
International Business**

Completion of this major prepares one for a career as a export/import administrator, area or function administrator in a multinational organization, etc. Continued study may include a master's and/or doctoral degree in business, public administration, or law.

The requirements for admission to this degree track are:

1. a minimum cumulative grade point average (CGPA) of 2.5;
2. completion of at least 42 credits, including the All University Requirements and the following specific pre-major courses:  
 BUSI 201 Introduction to Business  
 BUSI 251 Principles of Accounting I  
 BUSI 252\* Principles of Accounting II  
 ECON 207 Principles of Economics: Macro  
 ECON 208 Principles of Economics: Micro  
 MATH 1165\* Pre-calculus for Business
3. a minimum CGPA of 2.5 in all BUSI courses already completed.

Transfer students must have completed at least 12 credits at NJCU, with an minimum CGPA of 2.5 and a minimum CGPA of 2.5 in all BUSI courses already completed; and

All courses taken at NJCU to satisfy Business Administration major requirements after September 1, 2007 require a minimum grade C. Major classes attempted after September 1, 2007, in which a grade below C was earned are not eligible to meet degree requirements. Students who are unwilling or unable to comply with this policy are advised to withdraw from the major.

Course requirements for completion are listed below. Course codes with asterisks (\*), including those listed above as required pre-major courses, have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
BUSI 201* <sup>1</sup>	Introduction to Business	3
BUSI 203*	Business Statistics	3
BUSI 211*	Principles of Management	3
BUSI 231*	Principles of Marketing	3
BUSI 241	International Business	3
BUSI 243	International Management	3
BUSI 251 <sup>1</sup>	Principles of Accounting I	3
BUSI 252* <sup>1</sup>	Principles of Accounting II	3
BUSI 281	Business Law I	3
BUSI 331*	Consumer Behavior	3
BUSI 332*	Marketing Communications	3
BUSI 363*	International Marketing	3
BUSI 364*	International Finance	3
BUSI 366*	International Accounting	3
BUSI 371*	Managerial Finance	3
BUSI 391	Foreign Trade	3
BUSI 411*	Business Policy	3
CS 2142	Business Applications on the Microcomputer I	3
ECON 207 <sup>1,2</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1,2</sup>	Principles of Economics: Micro	3
ENGL 200*	Writing for Business	3
MATH 1165* <sup>1,2</sup>	Pre-calculus for Business	3

*Electives: Select a minimum of eight credits from BUSI courses and/or the Cooperative Education program.*

*Electives: Select a minimum of six credits from Modern Language courses.*

**Notes:** <sup>1</sup>Taken as a pre-major required course.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

### ***Bachelor of Science in Management***

Effective with the spring 2011 semester, completion of this major leads to the Bachelor of Science degree in Management, revised from the Bachelor of Science degree in Business Administration with a specialization in Management.

Completion of this major prepares one for a career as a retail manager, functional area supervisor, public administrator, human resource officer, operations analyst, etc. Continued study may include a master's and/or doctoral degree in business, public administration, or law.

The requirements for admission to this degree track are:

1. a minimum cumulative grade point average (CGPA) of 2.5;
2. completion of at least 42 credits, including the All University Requirements and the following specific pre-major courses:
 

BUSI 201	Introduction to Business
BUSI 251	Principles of Accounting I
BUSI 252*	Principles of Accounting II
ECON 207	Principles of Economics: Macro
ECON 208	Principles of Economics: Micro
MATH 1165*	Pre-calculus for Business
3. a minimum CGPA of 2.5 in all BUSI courses already completed.

Transfer students must have completed at least 12 credits at NJCU, with an minimum CGPA of 2.5 and a minimum CGPA of 2.5 in all BUSI courses already completed; and

All courses taken at NJCU to satisfy Business Administration major requirements after September 1, 2007 require a minimum grade C. Major classes attempted after September 1, 2007, in which a grade below C was earned are not eligible to meet degree requirements. Students who are unwilling or unable to comply with this policy are advised to withdraw from the major.

Course requirements for completion are listed below. Course codes with asterisks (\*), including those listed above as required pre-major courses, have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
BUSI 201 <sup>1</sup>	Introduction to Business	3
BUSI 203*	Business Statistics	3
BUSI 211*	Principles of Management	3
BUSI 231*	Principles of Marketing	3
BUSI 241	International Business	3
BUSI 243	International Management	3
BUSI 251 <sup>1</sup>	Principles of Accounting I	3
BUSI 252* <sup>1</sup>	Principles of Accounting II	3
BUSI 281	Business Law I	3
BUSI 311*	Organization Theory and Practice	3
BUSI 312*	Human Resource Management	3
BUSI 371*	Managerial Finance	3
BUSI 411*	Business Policy	3
BUSI 412*	Production Management	3
BUSI 413*	Management Information Systems	3
BUSI 511*	Seminar: Management Science	3
CS 214 <sup>2</sup>	Business Applications on the Microcomputer I	3
ECON 207 <sup>1,2</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1,2</sup>	Principles of Economics: Micro	3
ENGL 200*	Writing for Business	3
MATH 1165* <sup>1,2</sup>	Pre-calculus for Business	3

*Electives: Select a minimum of 11 credits from BUSI courses and/or the Cooperative Education program.*

**Notes:** <sup>1</sup> Taken as a pre-major required course.

<sup>2</sup> May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

**Bachelor of Science  
in Marketing**

Effective with the spring 2011 semester, completion of this major leads to the Bachelor of Science degree in Marketing, revised from the Bachelor of Science degree in Business Administration with a specialization in Marketing.

Completion of this major prepares one for a career as a sales administrator, advertising account representative, media analyst, market researcher, etc. Continued study may include a master's and/or doctoral degree in business, public administration, or law .

The requirements for admission to this degree track are:

1. a minimum cumulative grade point average (CGPA) of 2.5;
2. completion of at least 42 credits, including the All University Requirements and the following specific pre-major courses:  
 BUSI 201 Introduction to Business  
 BUSI 251 Principles of Accounting I  
 BUSI 252\* Principles of Accounting II  
 ECON 207 Principles of Economics: Macro  
 ECON 208 Principles of Economics: Micro  
 MATH 1165\* Pre-calculus for Business
3. a minimum CGPA of 2.5 in all BUSI courses already completed.

Transfer students must have completed at least 12 credits at NJCU, with an minimum CGPA of 2.5 and a minimum CGPA of 2.5 in all BUSI courses already completed; and

All courses taken at NJCU to satisfy Business Administration major requirements after September 1, 2007 require a minimum grade C. Major classes attempted after September 1, 2007, in which a grade below C was earned are not eligible to meet degree requirements. Students who are unwilling or unable to comply with this policy are advised to withdraw from the major.

Course requirements for completion are listed below. Course codes with asterisks (\*), including those listed above as required pre-major courses, have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
BUSI 201 <sup>1</sup>	Introduction to Business	3
BUSI 203*	Business Statistics	3
BUSI 211*	Principles of Management	3
BUSI 231*	Principles of Marketing	3
BUSI 241	International Business	3
BUSI 251 <sup>1</sup>	Principles of Accounting I	3
BUSI 252* <sup>1</sup>	Principles of Accounting II	3
BUSI 281	Business Law I	3
BUSI 331*	Consumer Behavior	3
BUSI 332*	Marketing Communications	3
BUSI 371*	Managerial Finance	3
BUSI 411*	Business Policy	3
BUSI 432*	Marketing Research	3
BUSI 433*	Marketing Management	3
BUSI 534*	Seminar: Marketing Application, Cases, Simulation	3
CS 214 <sup>2</sup>	Business Applications on the Microcomputer I	3
ECON 207 <sup>1,2</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1,2</sup>	Principles of Economics: Micro	3
ENGL 200*	Writing for Business	3
MATH 1165* <sup>1</sup>	Pre-calculus for Business	3

*Elective: Select a minimum of five credits from BUSI courses and/or the Cooperative Education program.*

*Restricted electives: Select a minimum of six credits from the following courses.*

BUSI 333*	Direct Response Marketing
BUSI 361*	Sales Dynamics
BUSI 363*	International Marketing
BUSI 387*	Retailing Strategy

**Notes:** <sup>1</sup>Taken as a pre-major required course.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

### ***Bachelor of Science in Business Administration—Travel and Tourism Management***

Completion of this major prepares one for a career as a tour developer, travel agency professional, lodging professional, reservation supervisor, event coordinator, and entry-level management positions in the travel and tourism industries. Continued study may include a master's and/or doctoral degree in tourism.

The requirements for admission to this degree track are:

1. a minimum cumulative grade point average (CGPA) of 2.5;
2. completion of at least 42 credits, including the All University Requirements and the following specific pre-major courses:
 

BUSI 201	Introduction to Business
BUSI 251	Principles of Accounting I
BUSI 252*	Principles of Accounting II
ECON 207	Principles of Economics: Macro
ECON 208	Principles of Economics: Micro
MATH 1165*	Pre-calculus for Business
3. a minimum CGPA of 2.5 in all BUSI courses already completed.

Transfer students must have completed at least 12 credits at NJCU, with a minimum CGPA of 2.5 and a minimum CGPA of 2.5 in all BUSI courses already completed; and

All courses taken at NJCU to satisfy Business Administration major requirements after September 1, 2007 require a minimum grade C. Major classes attempted after September 1, 2007, in which a grade below C was earned are not eligible to meet degree requirements. Students who are unwilling or unable to comply with this policy are advised to withdraw from the major.

Course requirements for completion are listed below. Course codes with asterisks (\*), including those listed above as required pre-major courses, have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
BUSI 201 <sup>1</sup>	Introduction to Business	3
BUSI 251 <sup>1</sup>	Principles of Accounting I	3
BUSI 252* <sup>1</sup>	Principles of Accounting II	3
BUSI 203*	Business Statistics	3
BUSI 211*	Principles of Management	3
BUSI 231*	Principles of Marketing	3
BUSI 241	International Business	3
BUSI 281	Business Law I	3
BUSI 301	Professional Development	3
BUSI 371*	Managerial Finance	3
BUSI 390	Introduction to Tourism Management	3
BUSI 392*	Quality Management and Customer Service	3
BUSI 393	International Tourism	3
BUSI 394*	Tourism Marketing and Sales	3
BUSI 411*	Business Policy	3
BUSI 492	Technology in Tourism Management	3
CS 214 <sup>2</sup>	Business Applications on the Microcomputer I	3
ECON 207 <sup>1,2</sup>	Principles of Economics: Macro	3
ECON 208 <sup>1,2</sup>	Principles of Economics: Micro	3
ENGL 200*	Writing for Business	3
MATH 1165* <sup>1,2</sup>	Pre-calculus for Business	3
<i>Restricted electives: Select a minimum of three credits from the following courses.</i>		
BUSI 395*	Tour Management	3
BUSI 396*	Convention Management	3
BUSI 397	Hotel and Resort Management	3
BUSI 398	Introduction to Casino Industry	3
BUSI 399	Introduction to Cruise Industry	3
BUSI 491*	Planning and Development of Tourism	3
SPFD X320	Seminar in Cooperative Education	3

*Electives: Select a minimum of six credits from BUSI courses with the approval of a faculty advisor.*

**Notes:** <sup>1</sup>Taken as a pre-major required course.

<sup>2</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."

**Minor in Business Administration**

Students minor in Business Administration by completing the following requirements:

Course Code	Course Title	Credits
BUSI 211*	Principles of Management	3
BUSI 231*	Principles of Marketing	3
BUSI 251	Principles of Accounting I	3
BUSI 252*	Principles of Accounting II	3
BUSI 281	Business Law I	3
BUSI 312*	Human Resource Management	3
BUSI 331*	Consumer Behavior	3
BUSI 371*	Managerial Finance	3

**Minor in Travel and Tourism Management**

Students minor in Travel and Tourism Management by completing the following requirements:

Course Code	Course Title	Credits
<i>Required</i>		
BUSI 390	Introduction to Tourism Management	3
BUSI 392*	Quality Management and Customer Service in Tourism	3
BUSI 393	International Tourism	3
BUSI 394*	Tourism Marketing and Sales	3
CS 2141	Business Applications on the Microcomputer I	3
<i>Electives (Select a minimum of six credits from the courses below.)</i>		
BUSI 301	Professional Development	3
BUSI 395*	Tour Management, Leadership & Interpretation	3
BUSI 396*	Convention Management	3
BUSI 397	Hotel and Resort Management	3
BUSI 398	Introduction to the Casino Industry	3
BUSI 399	Introduction to Cruise Industry	3
BUSI 491*	Planning and Development of Tourism	3
BUSI 492	Technology in Tourism Management	3

*Notes: <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—“Undergraduate Requirements.”*

**Course Descriptions**

**BUSI 201 INTRODUCTION TO BUSINESS (3)**

This course is a survey of and introduction to the activities and functions that comprise the field of business administration and focuses on general topics such as management, marketing, production, finance and data processing.

**BUSI 203 BUSINESS STATISTICS (3)**

Designed to acquaint the student with basic business statistics, this course includes the following topics: measures of central tendency and variability, probability, hy-

pothesis testing and correlation and regression analysis.

**Prerequisite:** MATH 1165 Pre-Calculus for Business

**BUSI 211 PRINCIPLES OF MANAGEMENT (3)**

The purpose of this course is to examine theory related to the managerial function including areas such as planning, organizing, staffing and controlling business organizations. The case study method is used.

**Prerequisite or Corequisite:** BUSI 201 Introduction to Business

**BUSI 215 REAL ESTATE PRINCIPLES I (3)**

This course is designed to provide an intro-

duction to the fundamental legal concepts and principles that underlie all modern real estate transactions. Particular attention is given to real property law, real estate transactions, contract negotiations and financing issues.

**BUSI 231 PRINCIPLES OF MARKETING (3)**

Students are introduced to basic theory and techniques of performance related to the marketing function in this course; both wholesale and retail marketing patterns are studied.

**Prerequisite:** BUSI 201 Introduction to Business

**BUSI 241 INTERNATIONAL BUSINESS (3)**

This survey course evaluates the cultural, political and economic environments of international business as well as the role of international and regional organizations in facilitating commerce. Particular emphasis will be placed on the European Economic Community and developing nations.

**BUSI 243 INTERNATIONAL MANAGEMENT (3)**

International portfolio strategy, plant location, national entry strategy, new product introduction and risk management are among the topics covered in this course. Emphasis is placed on the case study method and presentations by active international managers.

**BUSI 251 PRINCIPLES OF ACCOUNTING I (3)**

This course provides an overview of the fundamental concepts and principles underlying accounting information. Emphasis is placed on how such data are accumulated and reported using manual and computer-augmented approaches. The student is introduced to accounting systems and major asset categories such as cash, receivables, inventories and plant assets. Partnership accounting is also introduced.

**BUSI 252 PRINCIPLES OF ACCOUNTING II (3)**

A continuation of Principles of Accounting I, this course introduces corporate accounting, investments, bonds and equities. These basic topics are followed by an examination of the statement of cash flows, analysis of financial statements and an introduction to managerial accounting.

**Prerequisite:** BUSI 251 Principles of Accounting I

**BUSI 272 INVESTMENT PRINCIPLES AND ANALYSIS (3)**

This course covers the basics of investing. Topics include a comprehensive overview of financial instruments and real assets

available for investment, current procedures and trends in trading practices, and an introduction to valuation techniques. There is consideration of the risk-return tradeoff, the characteristics of efficient markets, and opportunities for global investing.

*Cross-reference:* ECON 271 Investment Principles/Practices

**BUSI 281 BUSINESS LAW I (3)**

Designed to provide a basic knowledge of business law and legal reasoning, this course covers the legal environment of business, constitutional law, intellectual property, torts, product liability, the law of contracts, sales and negotiable instruments. Ethical issues are discussed throughout the semester in order to sensitize the student to the ethical considerations integral to the business environment.

**BUSI 282 BUSINESS LAW II (3)**

This course provides the student with an advanced understanding of business law. Topics include creditors' rights, bankruptcy and reorganization, law of agency, forms of business organizations, personal property, accountant liability and administrative law. Business ethical issues and controversies are discussed throughout the semester.

*Prerequisite:* BUSI 281 Business Law

**BUSI 300 PERSONAL AND PROFESSIONAL ASSESSMENT IN A GLOBAL BUSINESS ENVIRONMENT (3)**

This is a survey course that focuses on assessment skills and techniques needed by a leader in a global business environment, including: universal life skills competencies, active lifelong learning strategies, professional portfolio development, time management techniques, and personal responsibilities in a learning community.

**BUSI 301 PROFESSIONAL DEVELOPMENT (3)**

This course presents essential management skills for the 21st century manager including: self-assessment, career planning, business etiquette, succeeding in a global and diverse business environment, business resources, cultural business awareness and sensitivity, career document and portfolio development, networking, communication skills, utilizing technology.

**BUSI 311 ORGANIZATION THEORY AND PRACTICE (3)**

The impact of individuals, groups, and organizational structures on behavior within firms is examined in this course. The primary objective is to apply such knowledge toward improving a firm's effectiveness. Topics include behavior, attitudes and

motivation of individuals; politics, conflict and consensus within and among groups; and the structure, design, and development of organizations. Cases are studied within the context of theory.

*Prerequisite:* BUSI 211 Principles of Management

**BUSI 312 HUMAN RESOURCE MANAGEMENT (3)**

This course provides an opportunity to study the typical operations of a personnel department, including the determination of personnel requirements, the employment process, discipline and employee relations. Motivation, leadership, and wage and salary administration are also covered.

*Prerequisite:* BUSI 211 Principles of Management

**BUSI 315 REAL ESTATE PRINCIPLES II (3)**

This course is designed for business administration majors seeking in-depth knowledge of real estate and for real estate professionals seeking to enhance their careers.

**BUSI 321 ETHICS, RESPONSIBILITY, AND GLOBAL ISSUES (3)**

This course explores global issues related to business environments with a focus on the personal, professional, corporate and public agencies' ethics and responsible policies and procedures. Using case studies, the role of leadership will be analyzed in a broad socio-cultural context.

*Prerequisite:* BUSI 211 Principles of Management

**BUSI 322 TECHNOLOGY IN A GLOBAL BUSINESS ENVIRONMENT (3)**

This course examines the technology applied to the business environment. Topics include computer hardware and software; networks and the Internet; applications for communications, security, environmental protection, customer service, marketing and sales, planning and development; cost-benefit analyses; and future trends.

*Prerequisite:* CS 214 Business Applications on the Microcomputer I

**BUSI 331 CONSUMER BEHAVIOR (3)**

Consumer behavior from both theoretical and practical standpoints is examined in this course. Topics include: consumerism, the role of the behavioral sciences and legal/social frameworks at the federal and local levels.

*Prerequisite:* BUSI 231 Principles of Marketing

**BUSI 332 MARKETING COMMUNICATIONS (3)**

The field of promotional marketing communications is introduced in this course.

Components include sales promotion, advertising, corporate communication, publicity and public relations, personal selling and direct marketing. Developing the ability to learn how to effectively plan, implement and evaluate integrated promotional messages is the primary learning objective of the course.

*Prerequisite:* BUSI 231 Principles of Marketing

**BUSI 333 DIRECT RESPONSE MARKETING (3)**

The concepts, strategies and applications involved in direct marketing, including mail order and direct response advertising, are examined in this course. Measurability, accountability, lists, data and the integration of direct marketing programs into the total marketing effort and overall organization goals and functions are discussed.

*Prerequisite:* BUSI 231 Principles of Marketing

**BUSI 351 INTERMEDIATE ACCOUNTING I (3)**

This course provides an analysis of current accounting concepts and the standards underlying reporting income and financial position. Topics include: cash, receivables, inventories, plant assets, depreciation, intangibles, compound interest, present value techniques, long-term investments and pronouncements of official bodies.

*Prerequisite:* BUSI 252 Principles of Accounting II

**BUSI 352 INTERMEDIATE ACCOUNTING II (3)**

This course, a continuation of Intermediate Accounting I, provides an in-depth analysis of long-term liabilities and stockholders' equity. Major accounting topics, specifically earnings per share, pensions, leases and income taxes are thoroughly explored. Official accounting pronouncements are introduced throughout the course where applicable.

*Prerequisite:* BUSI 351 Intermediate Accounting I

**BUSI 354 COST ACCOUNTING (3)**

Cost concepts, systems, and procedures directed toward gathering, structuring and utilizing data for management control are introduced in this course. The statement detailing manufacturing costs is developed early in the course. Job-order and process cost determinations, as well as cost control through the development and use of budgets, standard costs and analysis of variances are covered. Problems associated with cost allocation and the distribution of overhead costs is studied. Specific managerial issues



are addressed including break-even analysis, the effects of the interaction of changing costs and volume on profits, a multi-product environment, control of inventories, the economic order quantity model, transfer pricing issues and the measurements of performance. Emerging issues are also included.

*Prerequisite:* BUSI 252 Principles of Accounting II

### **BUSI 361 SALES DYNAMICS (3)**

This course offers a study and critical analysis of the theories, policies, procedures and practices characterizing today's management of organizational sales forces. The personal selling process and the art of salesmanship are also studied. Emphasis is given to case analysis, group discussion and roleplaying.

*Prerequisite:* BUSI 231 Principles of Marketing

### **BUSI 363 INTERNATIONAL MARKETING (3)**

The complexities of product design, distributing, foreign exchange and promotional activities in the foreign market place are thoroughly discussed. Emphasis is placed on the cultures of key representative countries and the impact on the American marketing system conducting international business.

*Prerequisite:* BUSI 231 Principles of Marketing

### **BUSI 364 INTERNATIONAL FINANCE (3)**

The basic international financial markets and instruments that a corporate treasurer uses to finance a multinational or global entity are explored in this course. Topics include foreign currency markets and strategies for minimizing risk, motivation for direct foreign investment, lending and investment criteria, risk mitigation via export credit agencies, trade barriers and tax implications and special problems of multinational firms.

*Prerequisite:* BUSI 371 Managerial Finance

### **BUSI 366 INTERNATIONAL ACCOUNTING (3)**

This course surveys and compares accounting systems in major industrialized countries and selected underdeveloped countries, identifying differences and similarities. The evolution of these systems, to their present stage of development, is also explored. Specific accounting practices applicable to international business transactions are studied with particular emphasis on foreign exchange and foreign currency transactions. Translation of financial statements denominated in foreign currency is a major element of the course. Transfer pricing

and basic international taxation issues are also explored. Recent developments in the European community, the Pacific Rim and emerging nations are discussed.

*Prerequisite:* BUSI 252 Principles of Accounting II

### **BUSI 371 MANAGERIAL FINANCE (3)**

This survey course introduces a variety of tools and techniques for financial problem solving and decision making. Topics such as the time value of money, stock and bond valuation, effects of risk on the rate of return, capital budgeting, financial forecasting, and financial leverage are covered.

*Prerequisite:* BUSI 252 Principles of Accounting II; ECON 208 Principles of Economics: Micro; MATH 1165 Pre-Calculus for Business

### **BUSI 386 TEXTILES (3)**

A study of fabrics, this course includes an investigation of the appearance and structure of all fibers, proper identification, production, dyeing, printing and finishing processes. The textile industry's response to the challenge of merchandising in markets with ever-changing demands is also explored.

*Prerequisite:* BUSI 231 Principles of Marketing

### **BUSI 387 RETAILING STRATEGY AND STRUCTURE (3)**

This course offers a serious investigation of retailing in today's dynamic environment. Special attention is given to retailing structure as it underlies the strategic decision making of retailing management. Institutions, buying functions, merchandising functions, store management and operations are among the areas studied.

*Prerequisite:* BUSI 231 Principles of Marketing

### **BUSI 390 INTRODUCTION TO TOURISM MANAGEMENT (3)**

This course serves as an introduction to the nature, history and organization of the travel and tourism industry, including its growth, impacts and benefits. Focus is given to both domestic and international tourism as well as social, economic and environmental factors which influence the industry. Professional tour management and hospitality are also discussed.

### **BUSI 391 FOREIGN TRADE (3)**

The fundamentals of trade finance, with an emphasis on current trade flows and their importance to the global marketplace, are explored in this course. Topics include bases of export marketing, trade documentation (letters of credit, drafts, bills of lading),

specialized trade financing, the international environment and medium and long-term options for financing trade flows.

### **BUSI 392 QUALITY MANAGEMENT AND CUSTOMER SERVICE IN TOURISM (3)**

This course provides a review of principles, practices and procedures in the organization, administration and supervision of travel, tourism and commercial recreation services. Emphasis is upon the technical, legal, financial, programmatic and marketing aspects of managing various types of travel, tourism and commercial recreation industries.

*Prerequisite:* BUSI 390 Introduction to Tourism Management

### **BUSI 393 INTERNATIONAL TOURISM (3)**

This course is a survey of business concepts and information basic to the international tourism industry. It includes familiarization with the current status and ability to do research on: travel health, safety and security; diplomatic institutions; travel documents, immigration and customs; cultural aspects of international tourism; financial, legal and economic trends; and destination marketing.

### **BUSI 394 TOURISM MARKETING AND SALES (3)**

This course provides an analysis of the specialized methods and techniques utilized in the marketing of travel and tourism services. Focus is given to the nature of marketing in a service industry, with emphasis on experiences desired by visitors. Topics covered include tourism marketing plans, market segmentation, positioning and distribution of services, advertising and sales techniques, special events, resource protection and interpretation.

*Prerequisite:* BUSI 390 Introduction to Tourism Management

### **BUSI 395 TOUR MANAGEMENT (3)**

A major function of the travel and tourism industry is the movement of visitors to a destination, within such tourist areas, and the return home. This course reviews the planning, scheduling and operation of group tour programs. It includes basic management functions and leadership techniques in working with various types of visitors.

*Prerequisite:* BUSI 390 Introduction to Tourism Management

### **BUSI 396 CONVENTION MANAGEMENT (3)**

The conceptual and physical planning, design, development and operation of the major types of travel, tourism and com-

mercial recreation physical attractions are examined in this course. Emphasis is given to proper planning and design considerations, the construction process and annual maintenance operations. Types of attractions covered include natural resources and park areas, golf courses, resorts, hotels/motels, marinas, recreation facilities, coastal beaches, winter alpine and Nordic ski areas, amusement and theme parks, and historic and cultural attractions.

*Prerequisite:* BUSI 390 Introduction to Tourism Management

### **BUSI 397 HOTEL AND RESORT MANAGEMENT (3)**

This course provides an introduction to the accommodations industry including history, organizational structures, departmental functions and operations, terminology, marketing, resources, trends, technology and management career paths.

### **BUSI 398 INTRODUCTION TO THE CASINO INDUSTRY (3)**

This course provides an overview of the casino and gaming industry including: traditional land-based casinos, riverboats, limited stakes casinos; Indian gaming, cruise ship casinos; casino boats; race and sports book; lottery; historical perspective; common terms; legal, social and economic impacts; regulation and control; and future industry trends.

### **BUSI 399 INTRODUCTION TO THE CRUISE INDUSTRY (3)**

This course surveys the cruise industry management including: cruise lines, ships, history of cruising; human resources practices; marketing; design; terminology and future trends.

### **BUSI 401 ACCOUNTING INFORMATION SYSTEMS (3)**

This course examines common present-day computer applications in business and accounting. Emphasis is on the design and key components of computer applications, interrelationships among computer applications, and the use of computer-generated data by management.

*Prerequisite:* BUSI 252 Principles of Accounting II; CS 214 Business Applications on the Microcomputer I

### **BUSI 411 BUSINESS POLICY (3)**

This course offers a study of policy formulations in the business enterprise. The impact of outside forces on business policy is studied. Modern management practices are studied and surveyed. The case study method is used.

*Prerequisite:* BUSI 371 Managerial Fi-

nance; Business Seniors only.

### **BUSI 412 PRODUCTION MANAGEMENT (3)**

The fundamentals of production management as they apply to the areas of work measurement, production scheduling, quality control and other functions related to production are the focus of this course.

*Prerequisite:* BUSI 211 Principles of Management; MATH 1165 Pre-Calculus for Business

### **BUSI 413 MANAGEMENT INFORMATION SYSTEMS (3)**

This course provides an integrative study of what constitutes management information, goals of management, measures of information value in support of those goals and usual sources of information. The course reviews how management utilizes the vast amounts of computer-generated data.

*Prerequisite:* BUSI 211 Principles of Management; CS214 Business Application on the Microcomputer I

### **BUSI 421 LEADERSHIP IN A GLOBAL BUSINESS ENVIRONMENT (3)**

This course acquaints students with leadership, management, and quality issues facing leaders in a global business environment. Topics include: leadership theories and practices, development and planning, implementation and evaluation, changing leadership styles, continuous improvement, quality service, power and empowerment, communication skills, goal setting, high-performance teams, diversity, and managing organizational change.

*Prerequisite:* BUSI 211 Principles of Management

### **BUSI 422 E-COMMERCE (3)**

This course provides an overview of all aspects of commerce and opportunity on the Internet. Topics include Internet marketing, virtual organizations, electronic payment systems, privacy and security concerns, intellectual property, regulation, and emerging issues.

*Prerequisite:* BUSI 211 Principles of Management; BUSI 231 Principles of Marketing

### **BUSI 425 RESEARCH IN A GLOBAL BUSINESS ENVIRONMENT (3)**

This course covers the theory and techniques used in research and their specific application to the various functions of business, with particular emphasis on the global business environment. Qualitative and quantitative techniques will be applied to the solution of business problems.

*Prerequisite:* BUSI 211 Principles of Management

### **BUSI 432 MARKETING RESEARCH (3)**

This course covers the techniques used in marketing research and their specific application to the various functions of marketing. The student gains knowledge and experience in the use of quantitative techniques through the solution of a marketing problem.

*Prerequisite:* BUSI 203 Business Statistics; BUSI 231 Principles of Marketing

### **BUSI 433 MARKETING MANAGEMENT (3)**

An investigation of the managerial aspects of marketing is made. The student participates in the development of sophisticated marketing, decision-making techniques. The case study method and simulation games are heavily utilized.

*Prerequisite:* BUSI 211 Principles of Management; BUSI 331 Consumer Behavior

### **BUSI 451 AUDITING (3)**

The auditing environment is discussed, including accountants' professional responsibilities, potential legal liabilities, generally accepted auditing standards and various report formats. The auditing process is introduced, focusing on overall audit objectives, general concepts of evidence accumulation and analysis of various types of risk and resulting impact on the audit process. Elements of planning and internal control analysis are examined. The auditing process for selected transaction cycles is also explored in conjunction with statistical sampling techniques.

*Prerequisite:* BUSI 352 Intermediate Accounting II

### **BUSI 452 GOVERNMENT AND NONPROFIT ACCOUNTING (3)**

This course is designed to introduce the concepts of fund accounting as it applies to state and local governmental units, hospitals, educational institutions and other entities whose primary motive is not one of profit maximization. Current rulings of the Governmental Accounting Standards Board are reviewed and relevant accounting concepts and techniques are applied.

*Prerequisite:* BUSI 352 Intermediate accounting II

### **BUSI 453 PROBLEMS IN FEDERAL TAXATION (3)**

This course serves as an introduction to the federal income tax. It is designed to provide a working knowledge of basic individual and corporate income tax laws with an emphasis on learning the law and its rationale.

*Prerequisite:* BUSI 352 Intermediate Accounting II

**BUSI 454 ADVANCED ACCOUNTING (3)**

Accounting for mergers and acquisitions and consolidated entities is introduced. A significant portion of the course is allocated to consolidation theory and practice, including an analysis of inter-company profit transactions and more advanced parent and subsidiary problems. Other major topics include accounting for equity interests in partnership, corporate liquidations and selected current accounting issues.

*Prerequisite:* BUSI 352 Intermediate Accounting II

**BUSI 473 PORTFOLIO ANALYSIS (3)**

This course provides a comprehensive introduction to securities analysis and portfolio management. Investing is approached as a rational decision-making process in which the investor attempts to select a portfolio of securities that meet a pre-determined set of goals, including desired return and acceptable degree of risk.

*Prerequisite:* BUSI 203 Business Statistics; BUSI 371 Managerial Finance

**BUSI 474 CAPITAL MARKETS AND FINANCIAL INSTITUTIONS (3)**

This course examines depository and non-depository financial institutions and how their functions differ for purposes of channeling the flow of funds into and out of capital markets. Topics such as the demand for and supply of money, determinants of market interest rates, principles for selecting investment assets and financial intermediaries are studied.

*Prerequisite:* BUSI 371 Managerial Finance; ECON 364 Money and Banking

**BUSI 476 NOT-FOR-PROFIT MANAGEMENT (3)**

This course is designed to introduce students to the specialized fields of accounting and management for governmental and not-for-profit entities. In addition, strategies for the budgeting and management of institutions, as well as compliance with accounting and government standards, are developed.

**BUSI 480 WORKPLACE DIVERSITY (3)**

This course explores how economic, social and cultural changes have influenced business and American society. It demonstrates how diversity in the workplace can promote excellence and higher organizational achievement.

**BUSI 486 RETAIL BUYING (3)**

This course provides an analysis of the process of distribution at the level of the retailer. Focus is placed on the procurement function. The role of the retail buyer is

studied by the case method.

*Prerequisite:* BUSI 331 Consumer Behavior

**BUSI 491 PLANNING AND DEVELOPMENT OF TOURISM (3)**

This course explores the role, scope and techniques of planning conference, convention and special events as conducted by both private business and the public sector. Emphasis is placed on the types of conferences and conventions held. Also, a variety of special events is reviewed. Focus is given to such topics as planning, development, financing, operating and marketing for seminars, trade shows, celebrations, sporting events, seasonal programs and entertainment activities.

*Prerequisite:* BUSI 390 Introduction to Tourism Management

**BUSI 492 TECHNOLOGY IN TOURISM MANAGEMENT (3)**

This course presents an examination of technology applied to tourism and hospitality industry including: computer hardware, software, networks and Internet; applications for communication, security, environmental protection, customer service, travel, marketing and sales, planning and development; future trends; cost benefit analysis; and demonstration of competency of basic graphics, spreadsheet and database applications.

**BUSI 503 PRINCIPLES OF INSURANCE AND RISK MANAGEMENT (3)**

This course examines the issues, concepts and strategies which develop as individuals and institutions attempt to reduce or transfer risk and uncertainty. Both traditional and newer techniques are discussed, including insurance and non-insurance methodologies. Topics include diversification, hedging, preference analysis, and dynamic programming.

*Prerequisite:* BUSI 371 Managerial Finance

**BUSI 510 BUSINESS ETHICS (3)**

The objectives of this course are to: familiarize students with some of the ethical problems which they will encounter in today's business environment; encourage students to reflect on their own values; and provide students with the analytical tools with which to analyze ethical problems in the workplace and critically evaluate alternative solutions. Topics include: defining business ethics and exploring their role in the contemporary multi-cultural business environment; moral dilemmas in management; corporate social responsibility; conflicts of interest and the role of leadership in creating a strong ethical climate.

**BUSI 511 SEMINAR: MANAGEMENT SCIENCE (3)**

This course offers the rationale for applying certain models to managerial problems, assists students in the application of such models and guides students in the interpretation of results. The course includes basic quantity techniques used in managerial decision making. The topics covered include: linear programming, queuing, network analysis, inventory models and decision making under uncertainty.

*Prerequisite:* BUSI 203 Business Statistics; BUSI 211 Principles of Management

**BUSI 513 ENTREPRENEURSHIP (3)**

The operation of small-scale business is studied. This course gives the student insight into the operations of a small business from a practical aspect. Speakers and case studies are drawn from the Small Business Administration.

**BUSI 534 SEMINAR: MARKETING APPLICATION, CASES, SIMULATION (3)**

This is a capstone marketing course with emphasis on the importance of strategic planning in marketing. Special topics of interest include basic macro- and micro-environmental factors used to predict impact on strategy, what marketing strategy can realistically accomplish and the evaluation of when a business needs to reformulate its marketing strategy. Activities include examination of marketing classics, current research, supplemental readings and case studies.

*Prerequisite:* BUSI 331 Consumer Behavior; BUSI 332 Marketing Communications

**BUSI 552 SEMINAR: TAXATION AND CURRENT ISSUES (3)**

This seminar is designed to introduce and update students' knowledge of selected topics in federal income taxation applicable to corporations, partnerships, estates and trusts. In addition, through the use of periodicals and authoritative sources, current issues in accounting and taxation that confront the profession are examined.

*Prerequisite:* BUSI 453 Problems in Federal Taxation

**BUSI 555 HONORS SEMINAR (3)**

This course is a forum that offers students an opportunity to study current business issues using available business literature and research materials, occasional field trips and guest lectures. The seminar meets regularly in a group session to discuss relevant assignments. In addition, students identify related topics for independent study.

**BUSI 556 CPA REVIEW COURSE**

This course provides a review of the most recent pronouncements of the Financial Accounting Standards Boards as well as a review of recent CPA examinations. Enrollment is limited to students who have successfully completed 21 credits in accounting subjects.

**Prerequisite:** Permission of the instructor is required for participation.

**BUSI 571 ISSUES IN CORPORATE FINANCE (3)**

This course uses the case method to analyze major corporate resource decisions in a risk-return framework. There is an emphasis on the process of value creation through appropriate long-term investment and financing policies. Topics include capital budgeting, debt management and corporate restructuring.

**Prerequisite:** BUSI 203 Business Statistics; BUSI 371 Managerial Finance

## CRIMINAL JUSTICE

**Education and Professional Studies****Building, Rm. 220****201- 200-3492****<http://www.njcu.edu/criminaljustice>****Dr. David K. Chiabi, Chairperson****[dchiabi@njcu.edu](mailto:dchiabi@njcu.edu)****Professors: Berman, Calathes, Williams****Associate Professor: Chiabi****Assistant Professor: Bryan**

Bachelor of Science in Criminal Justice,  
p. 249

Minor in Criminal Justice, p. 249

The Criminal Justice Department, a diverse, urban learning community of educators and students, is dedicated to a multidisciplinary education, merging theory and practice in service to society and the dynamic nature of criminal justice. The Department sponsors a Chapter of the American Criminal Justice Association's Lambda Alpha Epsilon for its students and has a very active Criminal/Social justice club. The Department seeks academic excellence, whereby it develops the latest and most expedient assessment tools, develops new courses, promotes faculty development, enhances community outreach goals, increases its access to a diverse range of incoming students, and boosts retention.

The Bachelor of Science in Criminal Jus-

tice degree program combines professional studies in the fields of criminal justice, including law enforcement, courts, probation, corrections, parole and juvenile justice. The program is designed for individuals who are currently involved in the criminal and juvenile justice fields and students who seek careers in these areas. To accommodate students with varying work schedules, all undergraduate coursework is offered on the main campus on a dual-track basis, whereby each student has the option to attend each class at either 9:00 a.m. or 7:00 p.m. on the same day. All coursework is offered on campus and at our satellite program in Wall, NJ, through the NJ Coastal Community. Many courses are also offered online.

All Criminal Justice majors who qualify are eligible for NJCU's Cooperative Education Program. A major objective of the program is to combine classroom education with practical experience and to provide a realistic, in-the-field environment for skills and knowledge, skills, and abilities that supplement classroom learning. Students can earn up to 12 credits, with a maximum of 6 credits in any one experience.

Admission requirements, fields of employment, continued areas of education, and course requirements are explained below. General Studies Program requirements for graduation are listed on **page 26**—"Undergraduate Requirements."

**Bachelor of Science  
in Criminal Justice**

**(MINIMUM 39 CREDITS)**

Completion of this major prepares one to assume the responsibilities of the following professions: Police officer (municipal and state), special agent (in federal law enforcement agencies), criminal investigator (in state prosecutor offices), court administrator (state and federal), probation officer (state and federal), parole officer (state), correctional officer (state and federal), juvenile counselor, and others. Continued study may include a master's and/or doctoral degree in criminal justice or public administration or a doctoral degree in law.

The requirement for admission to this degree track is a minimum cumulative grade point average (CGPA) of 2.0.

Course requirements for completion follow. Criminal Justice majors are required to complete a minimum of 39 credits of Criminal Justice courses in residence at NJCU. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow. CJ 111 (Introduction to Criminal Justice) and CJ 112 (Crime and Delinquency) are prerequisites for all CJ courses numbered 200 and above.

Course Code	Course Title	Credits
<i>Required</i>		
CJ 111	Introduction to Criminal Justice	3
CJ 112	Crime and Delinquency	3
CJ 215*	Police Organization and Administration	3
CJ 216*	Court System and Administration	3
CJ 217*	Correctional System and Administration	3
CJ 305*	Criminal Law	3
CJ 372*	Criminal Justice Research	3
CJ 463*	Management of Public Safety Agencies	3
<i>Restricted electives: a minimum of Select 15 credits from the following courses.</i>		
CJ 115	Juvenile Justice Administration	3
CJ 120	Careers in Criminal Justice	3
CJ 205*	Community Corrections	3
CJ 210*	Crime Prevention	3
CJ 250*	Crisis Intervention	3
CJ 260*	Criminal Investigation	3
CJ 275*	Police and the Community	3
CJ 300*	Victimless Crimes/Organized Crimes	3
CJ 301*	Terrorism	3
CJ 302*	White Collar Crime	3
CJ 303*	Women and Criminal Justice	3
CJ 306*	Crime and the Movies	3
CJ 308*	Multicultural Law Enforcement	3
CJ 315*	Seminar in Criminal Justice Problems	3
CJ 325*	Criminal Procedure	3
CJ 340*	Criminal Evidence	3
CJ 360*	Victims of Crime	3
CJ 370*	Minorities and Criminal Justice	3
CJ 420*	International Criminal Justice	3
CJ 444*	Criminal Justice Ethics	3
CJ 464*	Management Information Systems	3

**Minor in Criminal Justice**

**(MINIMUM 24 CREDITS)**

Students who minor in Criminal Justice must complete the following requirements. Course codes with an asterisk (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow. CJ 111 (Introduction to Criminal Justice) and CJ 112 (Crime and Delinquency) are the prerequisites for all CJ courses numbered 200 and above.

Course Code	Course Title	Credits
<i>Required</i>		
CJ 111	Introduction to Criminal Justice	3
CJ 112	Crime and Delinquency	3
CJ 215*	Police Organization and Administration	3
CJ 216*	Court System and Administration	3
CJ 217*	Correctional System and Administration	3
CJ 305*	Criminal Law	3
CJ 372*	Criminal Justice Research	3
CJ 463*	Management of Public Safety Agencies	3

## Course Descriptions

### **CJ 111 INTRODUCTION TO CRIMINAL JUSTICE (3)**

This is an introductory course in Criminal Justice that offers an overview of the administration of police, court, and correctional agencies and the decision-making points from the initial investigation or arrest by police to the eventual release of the offender and his or her reentry into society. The roles of the police, the prosecuting attorney, the defense attorney, judge, probation, corrections, and parole personnel are examined individually and collectively.

### **CJ 112 CRIME AND DELINQUENCY (3)**

The nature and extent of crime and delinquency in the United States are examined in this course. Major emphasis is placed on the theories, types and trends of criminal and delinquent behavior. Major theories of causation, relevant current issues, societal responses and selected cross-cultural comparisons are discussed.

### **CJ 115 JUVENILE JUSTICE ADMINISTRATION (3)**

This course provides an overview of the study of the juvenile justice system and its administration. Emphasis is placed on contemporary American juvenile justice, the processes within the system and how the system functions in the management, control, care and treatment of status offenders, juvenile offenders, dependent children and neglected children. Further emphasis is placed on the nature and extent of delinquency, theories of causation, current trends and issues.

### **CJ 120 CAREERS IN CRIMINAL JUSTICE (3)**

This course encompasses a wide range of topics related to locating and obtaining jobs in policing, courts, probation, corrections, parole, juvenile justice, national and industrial security. Professional concerns such as stress, promotion and civil service requirements are addressed.

### **CJ 205 COMMUNITY CORRECTIONS (3)**

This course provides an overview of the theory and practice of probation and parole. Emphasis is placed on crime control through probation and parole including specific contemporary issues, controversies and organizational styles. The course includes a critical examination of the ability to predict probation/parole eligibility and the relationships to and consequences of both systems as these relate to the police, courts, corrections and the community. Juvenile and adult systems are examined.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 210 CRIME PREVENTION (3)**

This course explores the concepts and techniques of crime prevention. The roles of the criminal justice system, public and private service agencies as well as citizen involvement are examined. Special emphasis is placed on the successes and failures of the various approaches, strategies and programs in crime prevention.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 215 POLICE ORGANIZATION AND ADMINISTRATION (3)**

This course provides a survey of the fundamental principles of the function, structure and management of law enforcement agencies. Various forms of police organization are analyzed and evaluated. The basic concepts of police administration are discussed. Contrasts between traditional styles and contemporary approaches are also emphasized.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 216 COURT SYSTEM AND ADMINISTRATION (3)**

A broad analysis of the major structures and processes that underlie the American judicial system on the local, state and federal levels is the primary focus of this course. Emphasis is placed on the basic legal concepts of the judicial process, the dynamics of the criminal court process and its principal actors: judges, prosecutors, defense attorneys, juries, victims and witnesses. Civil and juvenile court procedures are examined, as well as the appellate process and the role of the United States Supreme Court. Selected current reforms, issues and problems are discussed and cross-cultural comparisons are made.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 217 CORRECTIONAL SYSTEM AND ADMINISTRATION (3)**

This course includes an overview of the organization and administration of the correctional system as a process and as a major component of the American criminal justice system. Emphasis is placed on correctional goals and objectives, current philosophies, trends and practices, special problems, issues, controversies and potential directions for the future. Both adult and juvenile corrections are examined, as are selected cross-cultural perspectives.

*Prerequisites:* CJ 111 Introduction to Crimi-

nal Justice, CJ 112 Crime & Delinquency

### **CJ 250 CRISIS INTERVENTION (3)**

This course examines how the criminal justice system deals with crises. Intervention strategies, which focus on domestic violence, child abuse, suicide, rape, hostage situations and collective violence, are reviewed. Particular attention is given to counseling, arbitration, mediation, referral and negotiation techniques.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 260 CRIMINAL INVESTIGATION (3)**

A comprehensive review of the investigation of criminal matters including the full range of activities from the initial notification of the commission of a crime to its final disposition in the criminal justice process is provided in this course. It encompasses the history and art of investigation, preliminary and follow-up, all evidentiary aspects, crime scene search, interviews and interrogation, identification of suspects, court preparation and presentation.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 275 POLICE AND THE COMMUNITY (3)**

The interaction between the police and the community is examined in this course. The programs instituted by police in community relations and involvement of the community in establishing police policy and relations are explored. Community policing and other dynamics involved in the police/community relationship are examined.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime and Delinquency

### **CJ 300 VICTIMLESS CRIMES/ ORGANIZED CRIMES (3)**

This survey course reviews the sociological and philosophical aspects of victimless and organized crimes and the impact of the two on the criminal justice system. The concept of law and morality are discussed in regard to the "so-called" victimless or public order crimes. The nature and extent of organized crime as well as the determination of federal and state agencies to eradicate it are also discussed.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 301 TERRORISM (3)**

This course takes an interdisciplinary approach to understanding the conceptual and transnational aspects of terrorism. To achieve this end, the historical, psychological and political roots of terrorism are discussed, as are other aspects of terrorism, such as state terrorism and narcoterrorism.

This course, which emphasizes political terrorism, is infused with examinations of domestic and international groups and events. Means of countering and controlling terrorism are also analyzed.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 302 WHITE COLLAR CRIME (3)**

The illegal and unethical activities of people, businesses, and governments whose ostensible purpose is legitimate enterprise are examined in this course. Corporate activities, which seek to expand profit and government activities to obtain and maintain power, are analyzed. Political and social factors are emphasized.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 303 WOMEN AND CRIMINAL JUSTICE (3)**

This course explores the relationships among women, crime and the criminal justice system in American society. Major emphasis is placed on three general areas: women as offenders, women as victims of crime and women as social control agents or criminal justice professionals. A theoretical and practical perspective is applied in areas such as the nature and extent of female criminality, various aspects of victimization including abused women and rape victims, the victimization aspects of prostitution and finally, women as employees in the system.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 305 CRIMINAL LAW (3)**

This course provides students with an overview of criminal law with an emphasis on the major crimes under federal and state jurisdictions. Also emphasized are the concrete rules within the framework of doctrinal policies and principles, and doctrine itself within the web of jurisprudence, moral philosophy and everyday experiences. Hence, there is a detailed presentation of purposes and perspectives concerning criminal law and the principles of liability, as well as a host of concrete rules, all of which illustrate underlying themes.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 306 CRIME AND THE MOVIES (3)**

This course identifies and analyzes the images and themes of crime and the criminal justice system presented through American films. In particular, crime movies will be studied as major sources of data for uncovering how Hollywood portrays society's struggle with the crime problem. The

fundamental role played by film in defining what constitutes deviance and criminality in society will be discussed. This course will also examine how film portrays criminals, police, juvenile delinquents, courts and corrections, along with organized crime, and white collar crime in America.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 308 MULTICULTURAL LAW ENFORCEMENT (3)**

This course explores the pervasive influence of culture, race and ethnicity on daily encounter and contacts among police officers and civilian employees of police organizations and community members. The focus is on the cross-cultural contact, the need for awareness and understanding of cultural differences and respect for those of different backgrounds. The nature of the police role and its responsibilities in the context of multicultural law enforcement are evaluated.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 315 SEMINAR IN CRIMINAL JUSTICE PROBLEMS (3)**

This course examines selected, problematic topics in criminal justice and as such addresses some of the ways in which the evolution of crime and criminal justice is manifest. In so doing, areas that have both a domestic and global component are also discussed. Some of the more traditional areas of crime are examined, such as murder, child abuse, etc., as are relatively new issues in the field, such as euthanasia, patriarchal crime and human smuggling. Controversial issues surrounding developments in these areas are debated, as are various approaches to the problems.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 325 CRIMINAL PROCEDURE (3)**

This course examines the methods by which the criminal justice system functions. For example, it examines the law surrounding the arresting of suspects, the searching of premises and persons, the interrogation of suspects and the use of police lineups. Since many aspects of criminal procedure are regulated by the U.S. Constitution, particularly the Bill of Rights, this course emphasizes federal constitutional criminal procedure.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 340 CRIMINAL EVIDENCE (3)**

The goal of this course is to familiarize

students with the rules of evidence, which are most often directed to the courts and concern the admissibility of evidence at trial. Included is a discussion on burdens of proof, judicial notice, presumptions, inferences and stipulations, relevancy and materiality, witnesses, privileges, documentary and real evidence and the hearsay rule and its exceptions.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 360 VICTIMS OF CRIME (3)**

This course examines criminological theory and the practical application of theory in the criminal justice system to the study of victims of crime. The major focus of the course is on victims of crime, primarily victims of traditional crimes as outlined in the Crime Index (Part I) of the Uniform Crime Reports. The impact of these crimes and other categories of lawbreaking on victims, the victim/offender relationship and the victim/criminal justice relationship are discussed.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 370 MINORITIES AND CRIMINAL JUSTICE (3)**

The relationship between racial and ethnic minorities and the criminal justice system is studied in this course. Major emphasis is placed on African-Americans, Latinos, Native Americans, Asians and other minorities and how they interact with the American criminal justice system as victims, criminal offenders and practitioners. Additional emphasis is placed on minorities and how criminality and victimization have historically affected them.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

### **CJ 372 CRIMINAL JUSTICE RESEARCH (3)**

This is an introductory course in the basic theory, principles and techniques employed in criminal justice research. The goal of the course is to provide students with an overview of the research enterprise and its major components. The broad range of research techniques, data collection strategies and analytical tools that serve the needs of the criminal justice system are discussed. An overview is provided of the types of research designs and data collection strategies such as sampling, questionnaires, interviews, observational techniques, the use of secondary sources, computers and other technology.

*Prerequisites:* CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

**CJ 420 INTERNATIONAL  
CRIMINAL JUSTICE (3)**

This course provides an overview of major criminal justice systems in the world as well as analysis of international criminal justice issues and international criminal justice organizations. The perspective is comparative and international and designed to broaden the interests and knowledge of students.

Cross-national comparisons with countries following the Anglo-Saxon legal tradition, the civil law tradition and those subscribing to Marxist legal theories form the basis for discussion. Attention is given to the impact of certain factors (historical, religious, social, political and cultural) on the formal institutions for social control - police, courts, corrections and community-based forums for dispute resolution.

**Prerequisites:** CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

**CJ 444 CRIMINAL JUSTICE ETHICS (3)**

This course examines the moral issues and dilemmas facing practitioners in criminal justice. Practical problems are addressed from the philosophical viewpoints of the study of ethics. Among the topics considered are discretion, police use of deadly force, deception, police corruption and capital punishment.

**Prerequisites:** CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

**CJ 463 MANAGEMENT OF  
PUBLIC SAFETY AGENCIES (3)**

The structure, technology, and human aspects of complex organizations are examined in this course. Industrial, governmental and nonprofit organizations are considered with a special focus on unique purpose systems such as public and service security.

**Prerequisites:** CJ 111 Introduction to Criminal Justice, CJ 112 Crime & Delinquency

**CJ 464 MANAGEMENT  
INFORMATION SYSTEMS (3)**

The course objective is to provide students with the capability to analyze, design, implement and evaluate management information systems in public safety organizations. Topics include theories of communication, data acquisition, storage and retrieval, and interface problems. Current trends in information technology are emphasized.

**Prerequisites:** CJ 111 Introduction to Criminal Justice, CJS 112 Crime & Delinquency

## FIRE SCIENCE

Education and Professional Studies

Building, Rm. 443

201 200-3407

<http://web.njcu.edu/sites/profstudies/fire>

Prof. Kevin S. Malley, Chairperson  
kmalley@njcu.edu

Assistant Professor: Malley

The Fire Science Department is the only university-based fire science program in New Jersey and one of only a few in the nation. Graduates earn a Bachelor of Science degree, an increasingly valuable asset for individuals seeking advancement to officer and chief positions in fire service. Students enjoy the opportunity to study with and learn from firefighter/scholars, who are all active and newly retired fire officers and firefighters. Nationally and regionally renowned experts in the various firefighting specialties serve as instructors and guest lecturers throughout the semester. The Department was created by fire-educators to advance the education of fire personnel and the profession.

The Fire Science Department offers one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements for each are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

Bachelor of Science in Fire Science, p. 253



**Bachelor of Science in Fire Science**

**(MINIMUM 39 CREDITS)**

Completion of this major prepares one to assume the responsibilities of a firefighter, and ultimately, those of a fire officer.

The requirement for admission to this degree-track is a minimum cumulative grade point average (CGPA) of 2.5.

Course requirements for completion follow. Courses codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
FS 140	Introduction to Fire Science	3
FS 241*	Fire Prevention and Related Codes	3
FS 336*	Fire Department Strategy and Tactics	3
FS 342*	Building Construction	3
FS 344*	Hazardous Materials	3
FS 435*	Problems in Fire Engineering Seminar	3
FS 464*	Fire Department Organization and Administration	3
CJ 463*	Management of Public Safety Agencies	3
<i>Electives: Select a minimum of 15 credits from the following courses.</i>		
FS 137	Emergency Personnel Fitness	3
FS 243*	Fire Detection and Suppression Systems	3
FS 261*	Hydraulic Technology	3
FS 262*	General Fire Insurance	3
FS 334*	Fire Investigation and Arson	3
FS 431*	Transportation and Industrial Fire Hazards	3

**Minor in Fire Science**

**(MINIMUM 24 CREDITS)**

Students who minor in Fire Science must complete the following requirements.

Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
FS 140	Introduction to Fire Science	3
FS 241*	Fire Prevention and Related Codes	3
FS 336*	Fire Department Strategy and Tactics	3
FS 342*	Building Construction	3
FS 344*	Hazardous Materials	3
FS 435*	Problems in Fire Engineering Seminar	3
FS 464*	Fire Department Organization and Administration	3
CJ 463*	Management of Public Safety Agencies	3

**Course Descriptions**

**FS 137 EMERGENCY PERSONNEL FITNESS (3)**

This course prepares students for both physical and cognitive demands of academy training by targeting specific training modalities that are required by various government agencies. In addition to preparing students for the demands of public service jobs, this course will instill in them an appreciation for physical activity and an understanding of its importance for both their mental and physical well being as well as their quality of life. An overview of general fitness concepts including principles of exercise, coronary heart disease, physical readiness, nutrition for health and performance and the tools to design their own exercise program will be included.

**FS 140 INTRODUCTION TO FIRE SCIENCE (3)**

This course provides an introduction to the fire protection field. The behavior of fire and the strategy and tactics used in its prevention, extinguishment and investigation are examined. The value of public and private fire protection services is emphasized.

**FS 241 FIRE PREVENTION AND RELATED CODES (3)**

The study of applicable fire prevention codes and related codes with emphasis on life safety, fire resistance and fire protection are the focus of this course. The various existing fire codes are surveyed. Reference is made to National Fire Protection Association Standards.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 243 FIRE DETECTION AND SUPPRESSION SYSTEMS (3)**

This course reviews portable fire extinguishers, foam systems, specialized extinguishing systems, explosion suppression, fire detection systems, standpipe and sprinkler systems. Legal considerations, economic factors, line safety considerations, maintenance and testing and recent developments in fire suppression are surveyed.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 261 HYDRAULIC TECHNOLOGY (3)**

In this course, students develop an understanding of the properties, principles and concepts of the hydraulic use of water. Pressures, flow and pumps are examined for their practical application by fire services.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 262 GENERAL FIRE INSURANCE (3)**

This course presents all aspects of fire insurance, with emphasis on function, type of carriers, provisions, and establishments of rating systems. Additionally, it examines the handling of risk and settlement of claims.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 334 FIRE INVESTIGATION AND ARSON (3)**

Arson and incendiarism, arson laws and types of incendiary fires are topics that are introduced in this course. Methods of determining fire causes and recognizing and preserving evidence are considered.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 336 FIRE STRATEGY AND TACTICS (3)**

This course provides the student with an analysis system suitable for any fire or emergency situation. Problem analysis is stressed to insure delimitation of conditions presented, both existent and potential. The reasons for the various tactical operations at the company level for strategy determination and implementation are examined. Safety of both the public and the operating forces are stressed. Case histories are reviewed. Current problems, such as hi-rise fires and fire problems from other areas of the country are studied.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 342 BUILDING CONSTRUCTION (3)**

Building construction from the viewpoints of fire safety and stability are studied in this course. Historic and current building construction types are reviewed, as are the strengths and weaknesses of building materials. Case studies of catastrophic fire losses due to faulty construction are presented. Economic considerations, as well as current and emerging problems in this area are examined.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 344 HAZARDOUS MATERIALS (3)**

This course examines the hazardous properties of flammable liquids, gases and combustible solids and methods to control these hazards and extinguish fires involving these materials. Principals are related to the common hazardous materials found in industry and how they can be controlled.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 431 TRANSPORTATION AND INDUSTRIAL FIRE HAZARDS (3)**

This course is designed to provide an

awareness of the hazards presented by various industries and the various modes of transportation. Fire prevention is stressed. Automatic suppression is reviewed. Safety precautions, emergency procedures and public protection are studied.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 435 PROBLEMS IN FIRE ENGINEERING SEMINAR (3)**

This seminar examines the various dimensions of the fire problem; economic, environmental, social, fire protection factors and prevention factors; and engineering aspects. Emphasis is placed on fire research and development. Student development of research projects in selected areas are encouraged.

*Prerequisite:* FS 140 Introduction to Fire Science

**FS 464 FIRE DEPARTMENT ORGANIZATION AND ADMINISTRATION (3)**

Students review the basic concepts of the management and organization of fire departments in this course. The structure and types of fire department organization, the functions of a manager, as well as the leadership that is necessary to maintain the high degree of professionalism associated with good business practice are examined.

*Prerequisite:* FS 140 Introduction to Fire Science

# FITNESS, EXERCISE AND SPORTS

John J. Moore Athletics and Fitness  
 Center, Rm. 218  
 201-200-3034  
<http://web.njcu.edu/sites/ProfStudies/fitness>

**Cheryl Swider, Ed.D.,**  
**Acting Chairperson**  
 cswider@njcu.edu

**Assistant Professor: Swider**

The mission of the Fitness, Exercise and Sports Department is to provide students the opportunity to gain specific knowledge pertaining to exercise and sport studies, develop a variety of movement skills, and adopt values that facilitate the attainment of autonomous behavior in lifetime fitness and wellness activities.

The Department offers a variety of aerobic and strength training classes, with the potential of earning a Fitness Minor.

Minor in Fitness, Exercise and Sports,  
 p. 255

***Minor in Fitness,  
 Exercise and Sports***  
**(MINIMUM 23 CREDITS)**

Students who minor in Fitness, Exercise and Sports must complete the following requirements.

Course requirements for the completion of the minor are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Code	Course Title	Credits
<i>Required</i>		
FES 202	Introduction to Physical Fitness	3
FES 320	Sports Nutrition	3
FES 407	First Aid/CPR/AED	3
FES 420*	Foundations of Kinesiology	3
FES 422*	Exercise Physiology	3

*Electives: Select a minimum of a minimum of 8 credits of FES courses, grouped as the options below.*

***Aerobic Conditioning Option:*** Courses are designed to help students become familiar with the foundations of cardio-respiratory conditioning and the components of fitness, principles of exercise, heart rate monitoring, basic nutrition, and issues related to health and wellness.

Code	Course Title	Credits
FES 104	Spinning	2
<i>or</i>		
FES 123	Step Aerobics	3
FES 124	Cardio-Training I	3
FES 190	Weight Training Methods	3

***Strength Training Option:*** Courses are designed to help the students become familiar with the foundations of weight training and basic principles of strength and conditioning, musculature and development, principles of progression, basic nutrition and issues related to health and wellness, along with components of cardio-respiratory conditioning.

Code	Course Title	Credits
FES 124	Cardio-Training I	3
FES 190	Weight Training Methods	3
FES 191	Weightlifting/Free Weights	3
<i>or</i>		
FES 211	Abdominal and Core Fitness	2

## Course Descriptions

### FES 104 SPINNING® (2)

This course is designed to introduce the student to Spinning®. Spinning® is a cardiovascular exercise performed on a specially designed indoor cycle. The instructor guides participants of all ages and fitness levels through simulated outdoor bike rides. Motivational techniques, music and visualization tools are integrated for a complete mind/body exercise program.

### FES 105 TAI CHI I (2)

Tai Chi is an ancient art of self-defense practiced by monks during the Sung Dynasty (960-1278 B.C.E.). The practice includes synchronized a series of simple graceful movements promoting fitness, vitality in health and well-being. This course will introduce and expose students to basic cognitive and practical Tai Chi principles.

*Prerequisite:* FES 111 Yoga I

### FES 107 AEROBIC DANCE AND CONDITIONING (3)

This course is designed to help students understand the basics of fitness through exercise with rhythmic activities. Cardiovascular fitness activities will be presented providing students the knowledge and skills necessary to design a personal aerobic dance and conditioning program.

### FES 109 RACQUETBALL (2)

In this course, students develop the skills necessary for active participation in racquetball. Comprehensive information about equipment, rules, and tournament competition is provided. Strategies for both singles and doubles play is discussed and analyzed.

### FES 111 YOGA I (2)

Yoga I teaches the union of opposites through basic practices. This course will introduce basic level of physical execution through sequencing of postures while incorporating breathing with postural variation. Students will learn how to integrate basic principles of yoga philosophy through application and practice that supports holistic teaching and learning.

### FES 113 YOGA II (2)

Yoga II teaches the union of opposites through advanced practices. Students will explore higher levels of physical execution, transitions and sequencing of Asanas while effectively incorporating advanced breathing with postural variation and imagery. The transition from practical philosophy to integrated application through continuous practice supports holistic teaching and learning.

*Prerequisite:* FES 111 Yoga I

### FES 116 SWIMMING LEVEL 1 (2)

This introductory course is designed for those who cannot swim or for those at the beginning level of swimming. It includes the study and practice of basic swimming strokes and water safety. Emphasis is placed on the value and use of the following: prone floating and gliding, flutter kick, arm stroke mechanics, experimenting with buoyancy control, entries and exits.

### FES 117 SWIMMING LEVEL 2 (2)

This class is designed for those who are more comfortable in the water and for students who have reached an intermediate level of swimming. It includes the study and practice of intermediate swimming strokes and water safety. Emphasis is placed on the value and use of the following: front crawl, backstroke, breaststroke, sidestroke, arm-stroke mechanics, experimenting with buoyancy control, entries and exits.

*Prerequisite:* FES 117 Beginning Swimming or permission of instructor

### FES 118 SCUBA OPEN WATER DIVE COURSE (3)

This course is performance based, teaching of practical and theoretical aspects of scuba diving. Open Water Dives integrate principles and skills learned in confined Water Dives as students apply both in the open water dive environment. Students who successfully perform learned skills at a designated dive site can receive an International Certificate (at their expense).

### FES 121 PILATES FLEXIBILITY METHODS (3)

This course is focused on improving posture and eliminating unnecessary tension through a system of exercises related to the anatomy and physical dynamics of the body. Students learn to recognize the superficial muscles and their actions by practicing alignment and stretching.

### FES 123 STEP AEROBICS I (3)

This course introduces a program of exercises designed to improve cardiovascular capacity. Elements of a safe and effective workout are stressed during low-impact aerobics using step-benches. This course emphasizes cardiovascular endurance and tones the lower body. The functions of the muscular, respiratory, and cardiovascular systems, as they relate to exercise, are covered.

### FES 124 CARDIO-TRAINING I (3)

The emphasis of this course is cardiovascular exercise in a variety of formats. The semester is divided into a minimum of three

four-week modules to insure participation in no less than three different aerobic exercises. Student will be introduced to both practical and physiological aspects of a safe and effective workout program.

### FES 150 EMERGENCY PERSONNEL FITNESS (3)

This course prepares students for both physical and cognitive demands of academy training by targeting specific training modalities that are required by various government agencies. In addition to preparing students for the demands of public service jobs, this course will instill in them an appreciation for physical activity and an understanding of its importance for both their mental and physical well being; as well as their quality of life. An overview of general fitness concepts including principles of precise coronary heart disease, physical readiness, nutrition for health and performance and the tools to design their own exercise program will be included.

### FES 180 KARATE—TAE KWON DO (3)

Tae Kwon Do, the Korean Art of weaponless self-defense, is a competitive personal combat martial art form, which provides physical fitness, discipline and a sense of responsibility for oneself and others. This is achieved through a positive approach in training while developing a greater appreciation and understanding of the art of Tae Kwon Do.

### FES 186 INTRODUCTION TO GOLF (2)

An introduction to the fundamental skills and theories of golf is offered in this course. Basic golf skills are practiced in the gymnasium and during off-campus visits to local golf facilities.

### FES 188 BASIC FENCING (3)

This course, which uses the French foil method, develops student balance, strength and agility through instruction in parries, beats, and lunges. Bout procedures, techniques and strategies are practiced. Equipment including vest, glove, mask and foil is provided.

### FES 190 WEIGHT TRAINING METHODS (3)

This course closely examines the fundamental principles of weight training. It is designed to help students learn a physical activity that may be used to develop a greater degree of neuromuscular strength. Fundamental knowledge of the physiology and skills involved in an introductory level weight-training program will be developed throughout the semester.

**FES 191 WEIGHTLIFTING/  
FREE WEIGHTS (3)**

This course introduces simple and complex movements using free weights. Students learn the principles underlying strength training and its relationship to human movement patterns. Students will learn to design personal programs, which will strengthen musculature safely while practicing competitive lifting techniques.

**FES 202 FOUNDATIONS  
OF PHYSICAL FITNESS (3)**

The emphasis of this course is to introduce students to basic knowledge and understanding of the value of physical activity. This is especially pertinent today in view of the high incidence of disease and health problems in American society. Classes will be organized in a lecture-lab sequence to practice proper exercise form while learning the rationale for aerobic and anaerobic exercise. This is a required course for the students completing a Minor in Fitness.

**FES 205 PREVENTION AND TREATMENT  
OF ATHLETIC INJURIES (3)**

This course reviews the practice and theory of athletic training procedures utilized for the immediate and temporary care of trauma, concussions, sprains, abrasions, lacerations and other injuries.

**FES 210 MOVEMENT SKILLS  
FOR SPORTS AGILITY (3)**

This course is designed to offer students the opportunity to establish personal movement goals while learning how to redirect muscle patterns to move with clarity. Physical activities that refine movement skills, accompanied by mental focus, emotional energy and the ability to relax the body under stress will be explored.

**FES 217 LIFE GUARDING (3)**

This course reviews the practical and theoretical techniques needed for life guarding candidates. Certification is awarded by the American Red Cross upon completion of skills and written tests.

*Prerequisite:* FES 117 Intermediate Swimming (Certification Fee)

**FES 219 WATER SAFETY  
INSTRUCTORS COURSE (3)**

This course requires analytical study of water skills from beginning through advanced levels of swimming. Organization and teaching methods of water safety are reviewed. Red Cross certification is awarded to those who qualify.

*Prerequisite:* Advanced swimming skills (Certification Fee)

**FES 224 WATER CONDITIONING  
WORKOUT (2)**

Water workouts are conducted in waist to chest deep water; thus swimming skills are NOT required. This course provides an environment in which the risk of injury or stress to bones, joints and muscles is reduced while adding variety to cardiovascular and resistance exercise systems. Students will be divided into appropriate skills and fitness levels while learning the correct biomechanics of exercising in the water.

**FES 303 ATHLETIC PRACTICUM (3)**

Organization and administration of athletic training, medical terminology, budgets, insurance and legal issues are discussed. Basic anatomy including the musculoskeletal system and an introduction to neurological, cardiovascular, digestive and circulatory systems is provided. Environmental conditions, blood borne pathogens, and use of therapeutic modalities are discussed. Lab: Involves taping skills, splinting, bandaging and various transport methods.

*Prerequisite:* FES 205 Prevention and Treatment of Athletic Injuries

**FES 310 SPORTS IN  
AMERICAN SOCIETY (3)**

This course examines sport in American society and its effects on qualities and conditions of social development. By identifying relationships between individuals, sports and culture, students develop an understanding of the effect of sports on society.

**FES 320 SPORTS NUTRITION (3)**

This course introduces the practical and cognitive aspects of a safe and effective nutrition and exercise program. The functions, interrelationships, digestion, absorption and metabolism of nutrients are discussed. Content includes the exploration of consumer attitudes and behavior regarding diet, nutrition and health. The importance of proper hydration, snacking as an eating pattern and fast-food myths are discussed. This is a required course for the students completing a Minor in Fitness.

**FES 407 STANDARD FIRST  
AID AND CPR/AED (3)**

In this course students gain the knowledge and skills necessary to work as a first responder in a health or breathing emergency until more advanced medical assistance arrives. This course conforms to the NJ-DOT First Responder National Standard Curriculum. Core knowledge and materials that introduce students to a basic understanding of the human body under normal and adverse conditions are reviewed in this

course. American Red Cross Standard First Aid and CPR/AED certification is available to students who successfully complete the certification examination. (Fee) This is a required course for the students completing a Minor in Fitness.

**FES 420 FOUNDATIONS  
OF KINESIOLOGY (3)**

This course examines the fundamental anatomical analysis of human movement and sports skills. This is a required course for the students completing a Minor in Fitness.

*Prerequisite:* BIOL 104 The Human Body

**FES 422 EXERCISE PHYSIOLOGY (3)**

This course examines the structure and function of skeletal muscles, energy sources, oxygen requirements for muscular activity and fitness assessment, and exercise prescriptions. This is a required course for the students completing a Minor in Fitness.

*Prerequisites:* FES 190 Weight Training Methods, BIOL 104 The Human Body, FES 320 Sports Nutrition, BIOL 106 Practical Nutrition, or HLTH 104 Public Health Aspects of Nutrition.

## HEALTH SCIENCES

**Education and Professional Studies**  
**Building, Rm. 219**  
**201-200-3431**  
<http://web.njcu.edu/sites/profstudies/healthsciences>

**Dr. Lilliam Rosado, Chairperson**  
**lrosado1@njcu.edu**

**Professors: Gordon, Rosado**  
**Assistant Professors: Chewey, Walker**

The mission of the Health Sciences Department is to identify and educate students who mirror today's society and reflect the University's urban mission. The Department's goals are to:

1. Offer a range of health education programs that provide opportunities for students to function as health education specialists in settings such as schools, community health and social services agencies, medical institutions, and voluntary health organizations;
2. Provide students with knowledge and skills in the health sciences that encompasses the breadth and depth of the field; and
3. Recruit and retain students from heterogeneous social, economic, ethnic and cultural backgrounds.

Central to this mission is the aim to develop leaders in the Health Sciences field who are able to advocate for the elimination of health disparities and equitable access to health care.

The Department expects all Health Sciences undergraduates to demonstrate competency in oral and written communication, critical thinking, information literacy, technology and cultural competence. By attaining these competencies, students will be better prepared to be:

1. Critical thinkers and problem solvers when confronting health problems and issues;
2. Self-directed learners who have the competence to use basic health information and services in health enhancing ways;
3. Effective communicators who organize and convey beliefs, ideas and information about health issues;
4. Culturally competent citizens who recognize how all forms of bias (racism,

sexism, prejudice, and power) can impact on the health and well being of people.

The Health Sciences Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

Bachelor of Science in Health Sciences—  
 Community Health, p. 258  
 Bachelor of Science in Health Sciences—  
 with Teacher of Health Education  
 Certification, p. 260  
 Minor in Health Sciences, p. 261  
 Driver Education Certification, p. 261

**Note:** Students interested in the Post-Baccalaureate School Nurse Certification program that was formerly offered by the Health Sciences Department may wish to consider the graduate School Nurse Certification program. Please contact the Health Sciences Department or the Graduate Studies Office.

### ***Bachelor of Science in Health Sciences—Community Health Education (MINIMUM 61 CREDITS)***

The Health Sciences Department's baccalaureate program in Health Education is nationally recognized as a portfolio-approved program for the basic level in Health Education by the Association for the Advancement of Health Education (AAHE), a specialty organization of the National Council for the Accreditation of Teacher Education (NCATE).

The health sciences faculty believes in social justice and the right of health for all populations. The mission of the community health education program is to prepare entry-level health education specialists in the community health field who have skills such as health planning, program implementation and evaluation, and health advocacy for diverse populations in a variety of health promotion settings.

The Community Health Education program is a competency-based program with a sequence of courses that are designed to meet the needs of a community health educator. The curriculum builds on theory-based health models, health knowledge, and the application of theory to practice. This is accomplished through student research papers, projects, case studies, health agency site visits, internships, faculty arranged field trips, and other learner-centered activities. The Community Health Education program presents opportunities for students to conduct community needs assessments, organize communities to bring about change, plan, implement and evaluate health programs.

Completion of this major prepares one to assume an entry-level position as a health educator, health educator with a specialty (e.g., AIDS educator), health planner, or health counselor. The program also prepares graduates to take the Community Health Education Specialist (CHES) exam. Continued study may include a master's degree in public health, health education or community health.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.5 and completion of the following General Studies Program courses:

1. All All-University Requirements, including Intermediate Algebra<sup>1</sup> or Fundamentals of Math<sup>1</sup>;
2. BIOL 104<sup>1</sup> The Human Body;
3. BIOL 106<sup>1</sup> Practical Nutrition;
4. GEOG 250<sup>1</sup> Geographic Information Systems I.

Course requirements for completion of the major are listed below. Students are also required to attain a minimum CGPA of 2.5 to complete the program. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Title	Credits
<i>Required</i>		
HLTH 201	Seminar in Health Sciences	1
HTLH 203	Cultural Aspects of Health	3
HLTH 210	Introduction to Public Health	3
HTLH 211*	Consumer Health	3
HLTH 301*	Health Counseling	3
HTLH 302	Mental Health	3
HLTH 303*	Environmental Health	3
HTLH 304*	Biostatistics	3
HLTH 402*	Principles and Techniques of Health Education	3
HLTH 405*	Health Planning	3
HLTH 425*	Epidemiology	3
HLTH 434*	School and Community Health Programs	3
HLTH 435*	Field Internship in Community Health	8
HLTH 1435*	Field Internship in Community Health	4
<i>Electives: Select a minimum of fifteen credits from the following courses.</i>		
HLTH 205	Public Health Aspects of Nutrition	3
HLTH 206	Substance Abuse	3
HLTH 207	Human Sexuality	3
HLTH 300	Women and Health	3
HLTH 305	Safety Education and First Aid	3
HLTH 310	Public Health Aspects of Immigration	3
HLTH 430	Health Sciences Field Study	3
HLTH 500	Managed Health Care	3
BUSI 211	Principles of Management	3
BUSI 251	Principles of Accounting	3
GEOG 350 <sup>1</sup>	Geographic Information Systems II	3
GEOG 455	Geographic Information Systems III	3
PS 49X	Independent Study: Professional Studies	1–3

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—“Undergraduate Requirements.”

***Bachelor of Science in Health Sciences with Teacher Certification in Health Education***

**(MINIMUM 59 CREDITS)**

Completion of this major prepares one to assume the responsibilities of a health education teacher who is certified to teach health in grades K–12 in of New Jersey. Continued study may include a master's degree in education, health education, health science, and public health.

The requirements for admission to this degree track are a minimum cumulative grade point average (CGPA) of 2.5 and completion of the following General Studies Program courses:

1. All All-University Requirements, including Intermediate Algebra1;
2. PSYC 150<sup>1</sup> Developmental: Birth through Adolescence  
*or*  
PSYC 152<sup>1</sup> Developmental: Adolescence through Adulthood;
3. SOCI 114<sup>1</sup> Sociology of the Family; and
4. INTD 149<sup>1</sup> Human and Intercultural Relations.

Admission to the education certification program requires a minimum CGPA of 2.75. Eligibility for teacher certification by the New Jersey Department of Education is dependent upon completion of the curriculum requirements of a certification program and the minimum CGPA that is in effect by at the time a graduate's application for certification arrives at the New Jersey Department of Education. All Teacher Certification candidates must take and pass the Writing Assessment prior to EDU 331 (Field Experience II) and HLTH 411 (Field Internship in Health Education).

Course requirements for completion of the major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Title	Credits
<i>Required</i>		
HLTH 205	Public Health Aspects of Nutrition	3
HLTH 206	Substance Abuse	3
HLTH 210	Introduction to Public Health	3
HLTH 211*	Consumer Health	3
HLTH 301*	Health Counseling	3
HLTH 302	Mental Health	3
HLTH 303*	Environmental Health	3
HLTH 305	Safety Education and First Aid	3
HLTH 411*	Field Internship in Health Education	8
HLTH 415	Family Living and Sex Education	3
HLTH 418	Methods and Curriculum in Health Education	3
HLTH 425*	Epidemiology	3
HLTH 434*	School and Community Health Programs	3
EDU 301*	Challenges in Urban Education	3
EDU 330*	Focus: Development, Behavior and Learning	3
EDU 331*	Education Field Experience II	1
EDU 485*	Classroom Management and Assessment	2
LTED 330*	Focus: Reading, Language and Literacy	3
SPEC 250	Introduction to Education & Psychology of Exceptional Children & Youth	3

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See **page 26**—"Undergraduate Requirements."



***Minor in Health Sciences*****(MINIMUM 18 CREDITS)**

Students who minor in Health Sciences must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Electives: Select 18 credits from the following courses.</i>		
HLTH 205	Public Health Aspects of Nutrition	3
HLTH 206	Substance Abuse	3
HLTH 207	Human Sexuality	3
HLTH 210	Introduction to Public Health	3
HLTH 211*	Consumer Health	3
HLTH 301*	Health Counseling	3
HLTH 302	Mental Health	3
HLTH 303*	Environmental Health	3
HLTH 304*	Biostatistics	3
HLTH 350	Drivers Education	3
HLTH 405*	Health Planning	3
HLTH 415	Family Living and Sex Education	3
HLTH 425*	Epidemiology	3
HLTH 434*	School and Community Health Programs	3

***New Jersey Certification for Driver Education*****(MINIMUM 3 CREDITS)**

The requirements for admission to this certification program are:

1. valid drivers license from New Jersey,
2. a high school diploma for undergraduate courses, and
3. a bachelors degree for graduate 500-level courses.

*Electives: Select three credits from the following courses.*

HLTH 350	Driver Education	3
HLTH 505 <sup>1</sup>	Contemporary Methods, Materials & Evaluation in Driver Education	3
HTLH 503 <sup>1</sup>	Defensive Driving Teaching Techniques	3

**Note:** <sup>1</sup>Can be taken at the graduate or undergraduate level.

***New York Provisional Certification for Driver Education*****(MINIMUM 9 CREDITS)**

Students must complete six credits for a one- or two-year provisional certificate.

The requirements for admission to this certification program are:

1. valid driver's license for New York;
2. a high school diploma for undergraduate courses;
3. a bachelor's degree for graduate-level courses numbered 500 or higher.

Course Code	Course Title	Credits
HLTH 350	Driver Education	3
HLTH 505 <sup>1</sup>	Contemporary Methods, Materials & Evaluation in Driver Education	3
HTLH 503 <sup>1</sup>	Defensive Driving Teaching Techniques	3

**Note:** <sup>1</sup>Can be taken at the graduate or undergraduate level.

### ***New York Permanent Certification for Driver Education*** (MINIMUM 6 CREDITS)

Students must complete six additional credits for permanent New York certification.

Course Code	Course Title	Credits
<i>Required</i>		
HLTH 507 <sup>1</sup>	Principles of Safety and Accident Prevention	3
HTLH 506 <sup>1</sup>	Trends and Issues in Driver Education	3

*Note:* <sup>1</sup> Can be taken at the graduate or undergraduate level.

### ***Course Descriptions***

#### **HLTH 201 SEMINAR IN HEALTH SCIENCES (1)**

This seminar is designed to introduce students to the field of health sciences. Career options in the health professions are explored including a discussion of cooperative education and senior internship experiences. Skills essential to securing a position are also discussed.

#### **HLTH 203 CULTURAL ASPECTS OF HEALTH (3)**

This course offers a broad study of cultural and ethnic backgrounds and their effects on personal and community health. The provision of culturally competent health care is discussed. The ways in which different societies attempt to meet basic health needs are explored.

#### **HLTH 205 PUBLIC HEALTH ASPECTS OF NUTRITION (3)**

This course includes a study of nutritional principles and their application to health maintenance, energy, metabolism, calorie requirements of the human body and weight control. The etiology of obesity and diet counseling and diet therapy are discussed.

#### **HLTH 206 SUBSTANCE ABUSE (3)**

This course will examine both licit and illicit substances used and abused in our society. Substances covered will include use, misuse, and abuse of prescription drugs, common street drugs, licit drugs such as caffeine, nicotine, and alcohol, and popular 'designer' drugs. This history of substance abuse, the U.S. "war on drugs", current trends regarding substances of abuse, and the economic, cultural, and social impact of this epidemic will be explored.

#### **HLTH 207 HUMAN SEXUALITY (3)**

This course examines the various areas of human sexuality, such as, sexual attitudes and behaviors, human reproduction,

contraceptives, gender identity and relationships and sexually transmitted diseases (STDs) including AIDS. Education and prevention initiatives are discussed. A major focus is placed on enhancing students' levels of comfort, as well as developing an understanding and appreciation of cross-cultural differences in human sexuality.

#### **HLTH 210 INTRODUCTION TO PUBLIC HEALTH (3)**

This course examines the principles and practices of public health at the local, state, national and international levels. The importance of personal and community action to solve public health problems is the focus of study, with discussion of major public health issues in environmental health, health education and chronic, communicable and infectious disease.

#### **HLTH 211 CONSUMER HEALTH (3)**

Consumer issues such as health insurance, legal rights of consumers, informed consent and medical malpractice are examined in this course. Problems consumers may experience when attempting to purchase health care products are also explored. The course attempts to prepare students to look critically at the myriad of health services and providers available to them, using current scientific research. Students' personal experiences and interests, as consumers of health, are drawn upon in class.

*Prerequisite:* HLTH 210 Introduction to Public Health

#### **HLTH 300 WOMEN AND HEALTH (3)**

This course addresses the major areas in women's health such as the health status of women, women as health workers, reproductive health, chronic diseases, older women's health issues, sexually transmitted disease, eating disorders and occupational and environmental health. The focus is on policy analysis and program planning.

#### **HLTH 301 HEALTH COUNSELING (3)**

Theories of health counseling are discussed

and the practice of health counseling is studied as an approach to voluntary change in an individual's behavior. Students engage in self-analysis and develop personal plans to help prevent illness, maintain health and/or cope with existing problems. Current trends in patient education are discussed.  
*Prerequisites:* HLTH 201 Seminar in Health Sciences; HLTH 203 Cultural Aspects of Health; HLTH 210 Introduction to Public Health; HLTH 302 Mental Health

#### **HLTH 302 MENTAL HEALTH (3)**

This course provides students with an overview of current mental health problems and the community resources that address them. It presents an overview of emotional and behavioral problems that may affect physical well being. Particular emphasis is placed on social, mental and physical interaction in a variety of community settings.

#### **HLTH 303 ENVIRONMENTAL HEALTH (3)**

An overview of the environment and the environmental factors that affect health and well being, are studied in this course. Although students assess their own communities and discuss environmental issues in New Jersey, a global perspective is maintained.

*Prerequisites:* HLTH 201 Seminar in Health Sciences; HLTH 210 Introduction to Public Health

#### **HLTH 304 BIostatISTICS (3)**

This course presents procedures in the collection, summarization, presentation and analysis of data in the health sciences. Elements of statistical inference including sampling, probability distributions, tests of hypotheses, confidence interval estimation, types of error, the t-test, Analysis of Variance and chi-square techniques are discussed. Finally, an introduction to the use of statistical software to analyze data is presented.

*Prerequisites:* HLTH 210 Introduction to Public Health; MATH 102 Fundamentals of Math or MATH 112 Intermediate Algebra

#### **HLTH 305 SAFETY EDUCATION AND FIRST AID (3)**

This course focuses on the principles of safety and injury prevention on the community, agency and individual levels. The analysis and investigation of accident hazards on the national, state and local levels are discussed.

#### **HLTH 310 PUBLIC HEALTH ISSUES OF IMMIGRATION (3)**

This course will prepare administrators, health educators, school nurses, social work-

ers, teachers and other health/medical care providers to detect, identify and assess issues and trends that impact on the health of immigrant populations, particularly children. The role of culture and/or religion on the health and medical practices of several of those populations will also be discussed.

#### **HLTH 350 DRIVER EDUCATION (3)**

An introductory course for driver education teachers focuses on the methods, materials and evaluation techniques for classroom and behind-the-wheel instruction. Appointments are made for supervised behind-the-wheel practice with novice (practice permit) drivers, who require the instructor's permission to participate. The course satisfies New Jersey certification requirements and may be applied toward New York State provisional certification.

#### **HLTH 402 PRINCIPLES AND TECHNIQUES OF HEALTH EDUCATION (3)**

This course is designed to move between the theoretical bases for health education program development and the practical applications of such theories. Initial class sessions focus on establishing a framework for development of educational programs.

*Prerequisite:* HLTH 210 Introduction to Public Health

#### **HLTH 403 SCHOOL HEALTH SERVICES FOR SCHOOL NURSES I (3)**

This course examines the school nurse's role in providing health services in the school setting. Assessment of chronic, acute, mental and emotional health conditions affecting school-aged children will be a primary focus. N.J. State School Health Services Guidelines for screening, immunization, medication administration, documentation, and other procedures will be emphasized. The impact of cultural, economic, and racial diversities as they relate to academic success and lifelong health will be highlighted. The nursing process as it related to school nursing practice will be explored.

#### **HLTH 405 HEALTH PLANNING (3)**

This course is designed to help students develop knowledge and understanding of the planning and evaluation of health programs. The roles and responsibilities of public, private and voluntary health agencies and organizations are explored. Individually, and in groups, students investigate the sociological, economic and environmental causes of health problems at the community level and identify the role of government and public/private organizations and agencies in addressing those problems. A course requirement is to write and present a health program plan for a specific population.

*Prerequisites:* HLTH 210 Introduction to Public Health

#### **HLTH 411 FIELD INTERNSHIP IN HEALTH EDUCATION (8)**

This is a required field experience for those seeking to become certified as a teacher of health education in New Jersey. Taken in the fall or spring of the senior year, in conjunction with a classroom management seminar, it entails a full semester of supervised full-time teaching in a public school when the student has completed all other course requirements. This advanced experience provides students with opportunities for practice in various phases of health education practice. Completion of application for internship one semester prior to taking the course.

*Prerequisite:* All major and professional sequence courses. Corequisite: EDU 485 Seminar in Classroom Management.

#### **HLTH 412 SCHOOL NURSE/HEALTH EDUCATION PRACTICUM (8)**

This is a capstone field experience for those seeking the standard school nurse certificate. Students will spend half of the time in both elementary and secondary health offices and the remaining time in a health education classroom. National Standards for School Nursing Practice will be used as competencies for student performance in the school nurses office. Core Curriculum Content Standards for Health Education will be utilized in developing and implementing lesson plans in the health classroom.

*Prerequisite:* HLTH 403 School Health Services for School Nurses I, HLTH 414 School Health Services for School Nurses II, and HLTH 418 Methods and Curriculum Development in Health Education

#### **HLTH 413 FIELD INTERNSHIP IN SCHOOL NURSING (4)**

This course is required for registered nurses seeking school nurse certification who have not had at least 450 hours of experience as a school nurse in a public school. This four-week, full-time, field experience is divided between an elementary and secondary school, and requires participation in the administration and operation of a school health office, under the supervision of a certified, school nurse. Completion of application one semester prior to internship.

*Prerequisite:* EDU 250 The Education Challenge; HLTH 403 School Health Services for School Nurses I; HLTH 418 Methods and Curriculum Development in Health Education

#### **HLTH 414 SCHOOL HEALTH SERVICES FOR SCHOOL NURSES II (3)**

This course continues to explore and analyze the school nurse's role as a healthcare provider, health counselor, health educator, child advocate, and valuable member of an interdisciplinary coordinated school health program. Legal issues affecting school nursing practice; including documentation, confidentiality, IDEA, Section 504, and HIPAA & FERPA, will be emphasized.

*Prerequisite:* HLTH 403 School Health Services for School Nurses I

#### **HLTH 415 FAMILY LIVING AND SEX EDUCATION (3)**

The American family, past and present, and its evolution are studied in this course. Emphasis is placed on mate selection, human sexuality, interpersonal relations, planning for parenthood, childbearing and the various stages of the family life cycle, alternate life-styles and future trends. New Jersey Core Curriculum Standards on family living are presented.

#### **HLTH 418 METHODS AND CURRICULUM DEVELOPMENT IN HEALTH EDUCATION (3)**

Studied will be a systematic organization of instructional materials and teaching strategies. Key systematic approaches (methodologies) will be studied in the cognitive, affective, and psychomotor domains. Students will learn to critically think and evaluate instructional materials and strategies of presentation (K-12). Certification requirements for health educators will be satisfied by this course. This course cannot be applied for graduate credit.

#### **HLTH 425 EPIDEMIOLOGY (3)**

This course is an introductory study of the distribution and determinants of communicable diseases and chronic. Measures of morbidity and mortality are reviewed and the concept of risk factors is discussed by looking at how disease is distributed in a population by person, place and time factors. Various types of research methodologies employed by epidemiologists are examined. Some common childhood and adolescent communicable diseases are reviewed.

*Prerequisites:* HLTH 201 Seminar in Health Sciences; HLTH 210 Introduction to Public Health; HLTH 304 Biostatistics

#### **HLTH 430 HEALTH SCIENCE FIELD STUDY (3)**

The analysis of health problems in selected countries and their sociological, political and economic relationships to specific geographical areas are the focuses of this

course. The origin, orientation and purposes of agencies and organizations functioning in the international health domain are studied. (Travel plans to be arranged.)

**HLTH 434 SCHOOL AND COMMUNITY HEALTH PROGRAMS (3)**

This course is an introduction to the various elements of school and community health education programs. The philosophy of health education and practices and principles for program development are explored.

**Prerequisites:** HLTH 201 Seminar in Health Sciences; HLTH 210 Introduction to Public Health

**HLTH 435 FIELD INTERNSHIP IN COMMUNITY HEALTH (8)**

This supervised field experience is required in the senior year. It consists of 320 hours of supervised experience in various health agencies upon completion of all other requirements. This advanced experience provides students opportunities to apply the principles, techniques and procedures learned in the classroom to actual working situations in preparation for assuming the role of a qualified health educator in a variety of health agencies.

**Prerequisite:** All Required Courses

**HLTH 500 MANAGED HEALTH CARE (3)**

*Please see the Graduate Catalog for this course's description.*

**HLTH 501 ADMINISTRATION OF MANAGED HEALTH CARE PLANS (3)**

*Please see the Graduate Catalog for this course's description.*

**HLTH 503 DEFENSIVE DRIVING TEACHING TECHNIQUES (3)**

*Please see the Graduate Catalog for this course's description.*

**HLTH 505 CONTEMPORARY METHODS, MATERIALS AND EVALUATION IN DRIVER EDUCATION (3)**

*Please see the Graduate Catalog for this course's description.*

**HLTH 506 TRENDS AND ISSUES IN DRIVER EDUCATION (3)**

*Please see the Graduate Catalog for this course's description.*

**HLTH 507 PRINCIPLES OF SAFETY AND ACCIDENT PREVENTION (3)**

*Please see the Graduate Catalog for this course's description.*

**HLTH 509 DRIVER EDUCATION FOR THE PHYSICALLY DISABLED (3)**

*Please see the Graduate Catalog for this course's description.*

**HLTH 530 DRUG ABUSE WORKSHOP (3)**

*Please see the Graduate Catalog for this course's description.*

## NURSING

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Nursing professionals provide preventive and restorative health care to patients in a variety of settings. Nurses work to promote health, prevent disease, and help patients cope with illnesses. Nursing is a science that requires in-depth knowledge, skill, and understanding and deals with a person's psychosocial and cultural needs, as well as his or her biological needs.

A nursing degree is extremely versatile, providing graduates with many career options. Nurses care for patients in their homes, clinics, hospices, and rehabilitation centers, as well as in hospital settings, including emergency, critical care, operating, surgical, maternity, and other medical units. In addition, there are many other career paths for nurses today—careers in research, administration, business, corporate wellness, community health, and policy making.

Nursing is a dynamic, challenging and rewarding profession. Undergraduate nursing students study health promotion, disease prevention, health restoration, health maintenance, and managing individuals and families coping with acute and chronic illnesses. Nursing students also learn about current trends in healthcare, focusing on wellness and illness concepts, and the delivery of care in hospital and community-based settings.

The nurse with the Bachelor of Science in Nursing (BSN) is the preferred nursing graduate for practice in all health care settings—critical care, ambulatory care, public health, and mental health—and thus has the greatest employment flexibility of any entry-level Registered Nurse (RN). New Jersey City University's BSN curriculum includes a broad spectrum of scientific, critical-thinking, humanistic, communication, and leadership skills, including specific courses on community health nursing not typically included in diploma or associate's-

degree programs. These abilities are essential for today's professional nurse who must be a skilled provider, designer, manager, and coordinator of care. Nurses must make quick, sometimes life-and-death decisions; understand a patient's treatment, symptoms, and danger signs; supervise other nursing personnel; coordinate care with other health providers; master advanced technology; guide patients through the maze of health resources in a community; and teach patients how to comply with treatment and adopt a healthy lifestyle.

The Nursing Department at NJCU offers two programs leading to the Bachelor of Science in Nursing (BSN) degree. One is an accelerated, second-degree program for non-nurses who hold bachelor's degrees in other fields, and the other is a program for registered nurses who hold Associate's degrees and wish to continue their education and obtain BSN degrees. Both programs are approved by the New Jersey Board of Nursing. The RN-to-BSN Program is accredited by the National League for Nursing Accreditation Council (NLNAC); the candidacy status of the Accelerated BSN Program with the NLNAC is pending. Requirements for both programs are explained in detail below.

The Nursing Department offers more than one degree track. Requirements for admission, fields of employment, continued areas of education, and course requirements are explained below. General Studies Program requirements for graduation are listed on **page 26**—"Undergraduate Requirements."

Bachelor of Science in Nursing—

Accelerated Program (Second Degree)

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Bachelor of Science in Nursing (For Registered Nurses), p. 266

### ***Bachelor of Science in Nursing—Accelerated Program***

Completion of this major prepares one for a career as a Registered Nurse working in a wide range of healthcare organizations. Accelerated programs provide innovative educational opportunities to non-nurse college graduates. Students build on their previous undergraduate experience and transition into the nursing role within a compressed, 12-month timeframe. The curriculum reflects course objectives, content, and clinical learning that are similar to those of a traditional four-year curriculum. However, courses and clinical experiences are offered in an intense, full-time format without breaks between sessions. Clinical experiences in hospitals, laboratories and the community supplement classroom learning as students develop the skills and competencies to provide nursing care across the healthcare continuum and to assume leadership roles in the nursing profession. Students must complete several prerequisites prior to entering the actual accelerated nursing curriculum.

Demand for graduates of accelerated programs is high. Hospitals, health systems, and other healthcare settings are eager to employ this pool of nurses who have records of success and a well-defined work ethic that facilitates a more rapid and smooth transition into highly complex healthcare delivery environments.

Due to the intensity of the curriculum, students are often interviewed as a part of the admissions process. Students are evaluated on their abilities to learn in a fast-paced manner, their social support systems, their coping strategies, and their understanding of the format of compressed clinical and classroom instruction. Web-based education is often a significant teaching strategy and students may be evaluated on their computer literacy and their previous exposure to independent, online instruction.

The requirement for admission to this degree track is a baccalaureate degree from an accredited college or university.

Course requirements for completion of this major are listed below. Courses in the Accelerated BSN track are taken as a part of a cohort, following the prescribed sequence of courses specified below.

Semester One		
Course Code	Course Title	Credits
NURS 300	Contemporary Professional Nursing	3
NURS 301	Pathophysiology	3
NURS 303	Nursing Information & Technology	2
NURS 304	Health Assessment	4
NURS 305	Fundamentals of Nursing	6
NURS 404	Concepts in Gerontological Nursing Practice	2
Semester Two		
Course Code	Course Title	Credits
NURS 302	Pharmacology in Nursing Practice	3
NURS 400	Adult Health and Illness I	6
NURS 402	Maternal and Child Health Nursing	6
NURS 406	Healthcare Law and Ethics	2
NURS 460	Nursing Research	3
NURS 466	Cultural Paradigms in Health Care	3
Semester Three		
Course Code	Course Title	Credits
NURS 408	Adult Health II: Complex Care	7
NURS 410	Psychiatric and Community Health Nursing	6
NURS 414	Healthcare Organization and Operations	2
NURS 416	Senior Capstone	3
NURS 420	Leadership Issues	3

**Note:** Please reference the NJCU website at [www.njcu.edu](http://www.njcu.edu) for the most updated information on this program. Students may also contact the Nursing Department for additional information and advisement.

### ***Bachelor of Science in Nursing—RN-to-BSN Program***

Completion of this major prepares one for a career as a Registered Nurse working in a wide range of healthcare organizations. This program is designed for individuals who are New Jersey-licensed Registered Nurses or who are eligible to sit for the RN Licensure exam in New Jersey. The curriculum is organized around a systems-developmental-stress framework and is implemented as a community-based, community-focused model. Faculty members are committed to a student-centered learning environment to meet program outcomes, which include mastery of research, assessment, communication, leadership, critical thinking, integration of the liberal arts, and self-actualization. Graduates of the program are prepared to assume the responsibilities of a nursing generalist as well as to assume leadership positions in nursing.

Student activities within the Department concentrate on projects related to health promotion in the community, through co-sponsorship of the New Jersey City University Health Fair, participation in the annual Nursing research forum, and by providing opportunities to students to work with faculty. Student involvement includes invited membership in the Kappa Eta Chapter of Sigma Theta Tau nursing honor society.

The requirement for admission to this degree track is New Jersey licensure as a Registered Nurse or eligibility to sit for the RN Licensure exam in New Jersey before entering the first clinical nursing course.

Course requirements for completion of this major are listed below. Course codes with asterisks (\*) have prerequisite or corequisite courses. Prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
ENGL 101 <sup>1,2,3</sup>	English Composition I	3
ENGL 102 <sup>1,2,3</sup>	English Composition II	3
MATH 102	Fundamentals of Math	3
<i>or</i>		
MATH 112 <sup>2</sup>	Intermediate Algebra	3
BIOL 236 <sup>*,1,2,3</sup>	Principles of Anatomy and Physiology I	4
BIOL 237 <sup>*,1,2,3</sup>	Principles of Anatomy and Physiology II	4
BIOL 303 <sup>*,1,2,3</sup>	Microbiology	4
PSYC 110 <sup>1,2,3</sup>	Introduction to Psychology	3
NURS 351	Health Assessment Across the Life Span	3
NURS 357 <sup>*,4</sup>	BSN Transitions	3
NURS 450*	Theoretical Basis of Nursing	3
NURS 451*	Nursing Process & Health Promotion Groups/Community Theory	5
NURS 452*	Nursing Process & Health Promotion Groups/Community Laboratory	5
NURS 460*	Nursing Research	3
NURS 465	Leadership for the Nurse Leader/Manager	3
NURS 466	Cultural Paradigms for Health Care	3
NURS 467*	Senior Seminar Implementation Project Senior Thesis—Part I	2
NURS 468*	Senior Seminar Implementation Project Senior Thesis—Part II	2
<i>Restricted electives: Select a minimum 18 credits of General Studies Program courses from those listed below, with the assistance of a faculty advisor. Equitable courses may be transferred from prior collegiate experiences and other courses may be challenged for credit via CLEP examinations.</i>		
CHEM 117 <sup>*,1,2</sup>	Principles of Chemistry	4
DEPT XXX	Natural Science course	3
PSYC 150 <sup>1,2</sup>	Developmental: Birth through Adolescence	3
<i>or</i>		
PSYC 152 <sup>1,2</sup>	Developmental: Adolescence through Adulthood	3
PSYC 230 <sup>1,2</sup>	Statistics for the Social Sciences	3
SOCI 111 <sup>1,2</sup>	Principles of Sociology	3
SOCI 114 <sup>1,2</sup>	Sociology of the Family	3
<i>or</i>		
SOCI 115 <sup>1,2</sup>	Introduction to Anthropology	3
<i>or</i>		
SOCI 141 <sup>1,2</sup>	Cultural Anthropology	3

*Electives: Select a minimum of five credits in nursing courses, in consultation with a faculty advisor.*

**Notes:** <sup>1</sup>May be used to simultaneously satisfy a General Studies Program area requirement. See page 26—“Undergraduate Requirements.”

<sup>2</sup>Previous course work may be considered for transfer of credit to satisfy this requirement.

<sup>3</sup>A Challenge Exam may satisfy this requirement.

<sup>4</sup>Bridge course.

## Course Descriptions

### **NURS 300 CONTEMPORARY PROFESSIONAL NURSING (3)**

This course is an introduction to professional nursing in today's contemporary health care environment. The development of the student's identity as a professional nurse is the focus as well as the therapeutic nurse-patient relationship. The experience of illness, contemporary nursing issues, and nursing leadership are explored.

### **NURS 301 PATHOPHYSIOLOGY (3)**

This course is designed to introduce the student to pathophysiologic concepts related to altered biological processes affecting individuals across the lifespan and is built on the general principles of health maintenance. A global approach to disease will be emphasized. The course builds on principles from anatomy, physiology, and chemistry.

### **NURS 302 PHARMACOLOGY IN NURSING PRACTICE(3)**

This course introduces the professional nursing student to the principles of pharmacology. The focus of the course is pharmacology basics and drugs affecting the cardiovascular, renal, respiratory, and endocrine systems gastrointestinal, immunological, neurological, musculoskeletal, and dermatological systems. In addition, immune and biologic modifiers, chemotherapeutic agents, and psychotherapeutic drugs are presented.

### **NURS 303 NURSING INFORMATION AND TECHNOLOGY (2)**

This course is designed to examine the use of technology in the delivery of nursing care and how it impacts patient care and efficiency. The automation of data management through information systems, expert systems and telecommunications and the impact of these technologies on nursing practice and research are addressed in the context of health care informatics. Actual problem solving on how computerization can improve the efficiency of nursing care delivery at the bedside will be emphasized.

### **NURS 304 HEALTH ASSESSMENT (4)**

This course focuses on the development of interviewing skills, assessment of health status, and physical examination skills. Patterns of healthy individuals will be examined and used as a reference point for assessment and health maintenance. Clinical experiences for the integration of theory and skill mastery are utilized.

### **NURS 305 FUNDAMENTALS OF NURSING (6)**

This course will focus on the concepts, skills, and attitudes fundamental to professional nursing practice within a framework of clinical decision-making. The course will emphasize the establishment of the therapeutic nurse-patient relationship, and the development of the student's beginning comprehension of the patient's responses to health and illness.

### **NURS 351 HEALTH ASSESSMENT ACROSS THE LIFE SPAN (3)**

The student learns the basic skills of history taking, interviewing, physical assessment and health promotion techniques and clinical assessment of adults, pediatric clients and newborn clients. Emphasis is placed on the individual as a whole, both in wellness and in illness. Laboratory practice is integrated in this web-assisted course.

### **NURS 357 BSN TRANSITIONS (3)**

The course is designed as a bridge course for the Registered Nurse student. The focus is on the application and methodology of the nursing process in working with individuals in the family unit. Synthesis of the systems developmental stress model is used to assess clients as they move along the health illness continuum. Integrated concepts (e.g., culture, public health, therapeutic communication, leadership and accountability and health assessment) are also addressed. This course is offered as a web enhanced course.

### **NURS 400 ADULT HEALTH AND ILLNESS I (6)**

This course will focus on the nursing care management of adults with common diseases/illnesses. Patients with peri-operative considerations, alterations in pain control, fluid and electrolytes balance, cardiovascular, respiratory, endocrine, hematological, and immunological systems, gastrointestinal, renal, integumentary, neurological, musculoskeletal, male reproductive, and infectious disease systems will be discussed.

### **NURS 402 MATERNAL AND CHILD HEALTH NURSING (6)**

This course focuses on the nursing care and health promotion of the childbearing and childrearing family. Content includes the process of normal childbirth and dynamics of the childbearing family as well as identification and care of high-risk clients. This course also addresses the care of the sick child.

### **NURS 404 CONCEPTS IN GERONTOLOGICAL NURSING PRACTICE (2)**

This course will focus on the nursing

management of older adults. Contemporary theories of gerontology, theories of aging, physiological/psychological functioning, impact of developmental changes, illness, and dysfunction will be emphasized.

### **NURS 406 HEALTH CARE LAW AND ETHICS (2)**

This course examines the increased importance of legal and ethical issues in nursing and health care. Students will study legal principles that guide nurses in both general and specialized areas of practice. The course will introduce the legal system, nursing law, and relate nursing practice to the legal system. The course will also introduce nursing students to ethical theory and principles and identify models for the recognition, analysis, and resolution of ethical problems in health care practice. Current issues related to ethical and moral dilemmas such as informed consent, allocating medical resources, organ donation, euthanasia, abortion, palliative and end-of-life care, and treating impaired infants will be covered.

### **NURS 408 ADULT HEALTH II: COMPLEX CARE (7)**

This course will focus on the management of adults with unstable and complex system alterations. The course will emphasize the assessment of functioning, adaptation, and recovery for patients with high acuity illnesses and clinical problems. Selected subacute and high acuity acute care settings will be utilized for clinical practice.

### **NURS 410 PSYCHIATRIC AND COMMUNITY HEALTH NURSING (6)**

This course will focus on the development of competencies necessary for the practice of mental health nursing with emphasis on current theories of mental illness causation and the community context of care. Cross-cultural aspects of mental health and illness development and appropriate culturally relevant interventions will also be emphasized. Selected inpatient and outpatient mental health settings and agencies will be utilized for clinical practice where the student will examine the community context of the facility and of the larger community. Given the evolution of the care of patients experiencing mental illness to outpatient and to community based facilities and programs, one of the foci of this course is the professional nurse's role in working with aggregates in the community particularly around issues of mental health and illness. Contemporary public health problems related to mental illness are explored. Given the health care system's contemporary em-

phasis on outpatient and community based care, selected community based agencies offering services to individuals and families dealing with mental illness will be selected for clinical practice.

**NURS 414 HEALTHCARE ORGANIZATION AND OPERATIONS (2)**

This course provides the student with in-depth knowledge of health care systems and organizational structure. Emphasis is on resource management and healthcare financing principles. The course will focus on the structural, financial, and managerial foundations of healthcare organizations. The basic concepts of insurance, case management, and and utilization review will be covered. Managed care, case management and critical path strategies will be introduced, emphasizing the continuum of care. Field experiences allow the student to observe and study in a variety of relevant experiences In an actual healthcare setting.

**NURS 416 SENIOR CAPSTONE (3)**

This course will serve as a review of essential concepts and skills from the nursing curriculum. Students will utilize the laboratory to review clinical skills practiced throughout the nursing curriculum. Students will prepare for the NCLEX examination and sit for a comprehensive examination determine their mastery of content.

**NURS 420 LEADERSHIP ISSUES (3)**

This course will focus on the professional nurse's role in applying the principles of leadership and management in health care organization across the continuum of care. The emerging role of the nurse entrepreneur and alternative roles for future professional practitioners, including options for practice; barriers to practice; and regulatory, legislative, and political processes, will also be explored. The course will also emphasize the role of, and factors affecting, the professional nurse in efficient patient care management in complex health care settings.

**NURS 450 THEORETICAL BASIS OF NURSING (3)**

This course is an introduction to various nursing theorists and evolving theories of nursing science, which support the development of professional nursing practice. Students examine philosophy, theorist and theory concepts integrating the Systems-Developmental-Stress model and critical thinking.

**Corequisite:** NURS 357 BSN Transitions NURS 451 Nursing Process & Health Promotion Groups/Community Theory (5)  
This course is designed to help the student

view individuals, families, groups and communities as open systems in continual, mutual interaction with other systems. The Systems Developmental-Stress Model provides the framework for assessing individuals, families, groups and communities. The biological, interpersonal, intrapersonal, non-human environmental and socio-cultural subsystems are ways in which assessment of clients at different developmental stages from conception through elderly along the health-illness continuum with increased emphasis on deviations from health will be considered. The Nursing Process is the method by which primary, secondary, and tertiary prevention will be promoted in individuals, families, groups and communities. Public Health nursing principles will be emphasized along with an introduction to the community as a system. The leadership role of the nurse, the role of the nurse as change agent based upon organization, change and group theories will be explored.

**Prerequisites:** NURS 357 BSN Transitions and NURS 450 Theoretical Basis of Nursing

**Corequisites:** NURS 452 Nursing Process & Health Promotion Groups/Community Laboratory

**NURS 452 NURSING PROCESS & HEALTH PROMOTION GROUPS/COMMUNITY LABORATORY (5)**

Laboratory experiences will be coordinated with theoretical content in Nursing Process & Health Promotion Groups/Community Theory. The student will use the nursing process and the Systems-Developmental-Stress Model in a variety of settings with clients at different developmental stages from conception through elderly. The students are encouraged to use critical thinking as they view individuals, families, groups and communities as open systems in continual, mutual interaction with other systems. Clients will be assessed at various places along the health illness continuum with increased emphasis on deviations from health. Families, groups and communities will be the primary focus for the student as he/she continues to use public health principles and the community as a system. Laboratory settings are community focus and may include: day care centers, well baby clinics, visiting nurse service, schools, hospital outpatient services, family planning programs, homeless shelters community agencies and psychiatric-crisis walk-in clinics. Emphasis will be placed on individuals, families and groups as members of the community.

**Prerequisites:** NURS 357 BSN Transitions and NURS 450 Theoretical Basis of Nursing. **Corequisite:** NURS 451 Nursing Process & Health Promotion Groups/Community Theory

**NURS 460 NURSING RESEARCH (3)**

The scientific approach to problem-solving and research methodology as applied to nursing. The course will include analysis of selected nursing research studies, identification of researchable problems in nursing, opportunities for peer evaluation and groups discussions. At the end of this course the student is expected to be an informed consumer of nursing research.

**Prerequisite:** NURS 450 Theoretical Basis of Nursing; PSYC 230 Statistics in the Social Sciences

**NURS 461 TRENDS AND ISSUES IN NURSING II (2)**

This course continues the socialization process of students into nursing as an area of study in high education. Historical perspectives, current issues and trends set within the contexts of changing societal needs are considered, with emphasis on the changing role of the nurse in the health care delivery system. Emphasis may shift in any semester to address a current or emerging trend or issue in Nursing.

**NURS 464 THERAPEUTIC TOUCH (2)**

Therapeutic Touch is a course designed for nurses, health care professionals and others interested in developing their potential to assist in the healing process. The concept of therapeutic touch is based on the assumption that human beings are complex energy fields and that the ability to enhance healing in others is a natural human potential.

**NURS 465 LEADERSHIP: FOR THE NURSE LEADER/MANAGER (3)**

This is a course designed to increase the ability of registered nurse leaders to use leadership skills and knowledge of organizational theory within their health care organizations. The goal of these applications is to achieve excellence of the administration of health care organizations and, thus in the provision of health care.

**NURS 466 CULTURAL PARADIGMS FOR HEALTH CARE (3)**

This course uses the self-assessment and experiential learning approach to examine culture, the learned and shared values, beliefs, norms, and practices of a particular group that, implicitly or explicitly, guide thinking, decisions, and actions in a patterned way.



**NURS 467 SENIOR SEMINAR  
IMPLEMENTATION PROJECT –  
SENIOR THESIS – PART I (2)**

This is Part I of the capstone course. The student has the opportunity to assume primary responsibility for learning while pursuing an in-depth study in a specific area of nursing. The student develops a proposal that identifies an area of interest to research and to develop a project.

**Corequisites:** NURS: 451 Nursing Process & Health Promotion Groups/Community Theory and NURS 452 Nursing Process & Health Promotion Groups/Community Laboratory

**NURS 468 SENIOR SEMINAR  
IMPLEMENTATION PROJECT –  
SENIOR THESIS – PART II (2)**

This is Part II of the capstone course. The student continues to assume responsibility for learning. The student implements and evaluates the outcomes of the project and writes a scholarly paper on the nursing topic. The student formally presents the project in a group and how it meets program outcomes.

**Prerequisite:** NURS 467 Senior Seminar Implementation Project – Senior Thesis – Part I

## PROFESSIONAL SECURITY STUDIES

**Education and Professional Studies**

**Building, Rm. 449**

**201-200-2275**

**<http://www.njcu.edu/security>**

**Dr. John W. Collins, Jr.,  
Acting Chairperson  
jcollins2@njcu.edu**

**Professor: Collins  
Associate Professor: Soo Hoo  
Assistant Professor: Krantz**

Bachelor of Science in National Security  
Studies, p. 270  
Minor in Professional Security Studies,  
p. 271

The Professional Security Studies Department focuses on a student-centered, scholar-practitioner approach to education. Its mission is to facilitate access, create opportunities and provide a supportive environment for achieving academic success, learning and appreciation of subject matter, professional and personal growth, and the acquisition and development of identified and marketable global and disciplinary competencies. The Department's vision is to create a diversified, current, innovative, successful and exemplary program that will integrate both theory and practice through the knowledge, skills, and ability that will enable students to be globally competitive in the field and discipline of professional security.

The Professional Security Studies Department is recognized for excellence by numerous national organizations and agencies. In addition to a Defense Activity for Non-Traditional Education Support (DANTES) memorandum of understanding from the U.S. Department of Defense, the Department is also certified by the National Security Agency (NSA) for information systems security (INFOSEC), NST 4011 standard, and Information Systems Security Officer (ISSO) NST 4014e.

All faculty are current practitioners and have distinguished careers in the many and diverse fields of national security. All full-time faculty are active members of the American Society for Industrial Security, International, Inc., are members of the U.S. Department of Homeland Security Defense Education Consortium Association, and are listed with the New Jersey State Office

of Homeland Security due to their prior experience and/or backgrounds in homeland security.

This National Security Studies degree program is designed for practicing security leaders, as well as those students who seek careers in national, corporate or information assurance/cyber security. All course work is offered on campus, at our satellite program at Wall, NJ, through the NJ Coastal Community College, in web-enhanced format, and online.

All National Security Studies majors who qualify are eligible for NJCU's Cooperative Education Program. A major objective of this program is to combine classroom education with practical experience, which provides a realistic, in-the-field environment for knowledge, skills, and abilities that supplement classroom learning. Students may earn up to 12 credits in Cooperative Education, with a maximum of 6 credits in any one experience.

The Professional Security Studies Department offers one degree track. Admission requirements, fields of employment, continued areas of education, and courses requirements are explained below. General Studies Program requirements for graduation are listed on *page 26*—"Undergraduate Requirements."

### ***Bachelor of Science in National Security Studies***

Completion of this major prepares one to assume the responsibilities of a security professional/manager in the following careers and/or agencies: Central Intelligence Agency (CIA) Agent, Federal Bureau of Investigation (FBI) Special Agent, intelligence analyst, language specialist, corporate security manager, information systems security, National Security Agency (NSA), U.S. Department of Homeland Security, Federal Air Marshal Service, U.S. Secret Service, major pharmaceutical corporations, State Police Departments, County Prosecutor's Offices, and others. Continued study may include a master's degree in National Security Studies or doctorate in National Security Studies.

The requirement for admission to this degree track is a minimum cumulative grade point average (CGPA) of 2.25.

Course requirements for completion follow. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<i>Required</i>		
SECU 150	Introduction to Security	3
SECU 151	Security Systems and Design	3
SECU 220*	Current Security Problems	3
SECU 222	Computer Security I	3
SECU 280*	Security Organization and Administration	3
SECU 321* <sup>1</sup>	Seminar in National Security	3
SECU 323* <sup>1</sup>	Risk Management	3
SECU 398*	Research Methods	3
SECU XXX <sup>1</sup>	Capstone Experience	3

*Restricted electives (Select 12 credits from the following courses. Additional courses in Criminal Justice, Fire Science, Computer Science, Business, History, Modern Languages, Political Science, Sociology, and other electives that are related to the field of professional security will be accepted upon approval of both the department chairperson and faculty advisor.)*

SECU 152	Loss Prevention Techniques	3
SECU 153	Occupational Safety and Health	3
SECU 154	Careers on National, Corporate and Cyber Security	3
SECU 210*	Introduction to Intelligence	3
SECU 224*	Ethics in Professional Security Studies	3
SECU 305*	Special Topics	3
SECU 310*	Forensic Investigations	3
SECU 322*	Computer Security II	3
SECU 324* <sup>1</sup>	Security Fraud	3
SECU 411*	Extremist Groups and Security	3
SECU 422*	Computer Security III	3
SECU 465*	Resource Management in Security	3

**Note:** <sup>1</sup> Course and code number pending approval during the 2010—2011 academic year.

### *Minor in Professional Security Studies*

Students who minor in professional security studies must complete the following requirements. Course codes with asterisks (\*) have prerequisite or corequisite courses. These prerequisites and corequisites are listed with the course descriptions that follow.

Course Code	Course Title	Credits
<i>Required</i>		
SECU 150	Introduction to Security	3
SECU 151	Security Systems and Design	3
SECU 222	Computer Security I	3
SECU 280	Security Organization and Administration	3
SECU 321* <sup>1</sup>	Seminar in National Security	3
SECU 323* <sup>1</sup>	Risk Management	3

*Note:* <sup>1</sup> Course and code number pending approval during the 2010—2011 academic year.

### Course Descriptions

#### **SECU 150 INTRODUCTION TO SECURITY (3)**

This introductory course provides a historical perspective of security, highlighting the differences between law enforcement and professional security. Principles of national, corporate, information assurance/cyber security and security management are emphasized.

#### **SECU 151 SECURITY SYSTEMS AND DESIGN (3)**

Detailed examination into the administrative planning of security activities, requirements for their effective execution, and the supportive resources and physical layout design for maintaining an effective security system are presented in this course.

#### **SECU 152 LOSS PREVENTION TECHNIQUES (3)**

This course stresses individual research in all aspects of loss prevention situations. Students are required to develop security systems that reflect new techniques and concepts. A case study method is emphasized.

#### **SECU 153 OCCUPATIONAL SAFETY AND HEALTH (3)**

Management and supervisory principles and basic concepts in occupational safety and health are introduced in this course.

#### **SECU 154 CAREERS IN NATIONAL, CORPORATE AND CYBER SECURITY (3)**

This course focuses on the many and varied career opportunities in the field of professional security studies. In addition to researching and understanding the requirements for these positions, the applica-

tion, interviewing process, and the preparation of a professional resume and/or curriculum vita will be emphasized.

#### **SECU 210 INTRODUCTION TO INTELLIGENCE (3)**

This course focuses on the major role of intelligence in the professional security environment. In addition to obtaining a historical perspective, students will be able to differentiate between information and intelligence, and understand its importance and impact on national, corporate and information assurance/cyber security.

*Prerequisite:* SECU 150 Introduction to Security

#### **SECU 220 CURRENT SECURITY PROBLEMS (3)**

This course analyzes special problem areas in national, corporate and information assurance/cyber security. The focus is on the most current and/or pressing issues in the field of professional security.

*Prerequisite:* SECU 150 Introduction to Security

#### **SECU 222 COMPUTER SECURITY I (3)**

This introductory course focuses on the importance of information security (INFOSEC) and the impact technology has in the field of professional security. Specific areas of coverage include: history vs. current methodology; capabilities and limitations of communications; automated information systems (AIS); hardware; software; memory; media; networks; system operating environment and security policies.

This is the first of three courses students can take towards National Security Agency (NSA) certification for information systems

security (INFOSEC), NST 4011 standard (SECU 322 and SECU 422 are also required to receive a NSA certificate).

#### **SECU 224 ETHICS IN PROFESSIONAL SECURITY (3)**

This course examines the national, corporate and cyber security process, leadership ethics and doctrine. Specific topics of interest focus on security as a profession, justice, relations with the community, and current issues affecting agent professionalism. Within this structure is an emphasis on communications skills, leadership skills and the application of these skills both internally and in field operations.

*Prerequisite:* SECU 150 Introduction to Security

#### **SECU 280 SECURITY ORGANIZATION AND ADMINISTRATION (3)**

This course is designed as an introduction to the organization and administration of security functions within all entities from small to large organizations. The focus is on the principles of leadership and management with an emphasis on practical application using case studies as the primary learning tool.

*Prerequisite:* SECU 150 Introduction to Security

#### **SECU 305 SPECIAL TOPICS (3)**

This course covers selected topics in Professional Security Studies that are of recent or current interest in the field. Topics are selected from the three major domains of this department to include National, Corporate or Information Assurance/Cybersecurity.

*Prerequisite:* SECU 150 Introduction to Security

#### **SECU 310 FORENSIC INVESTIGATIONS**

This course provides an overview of forensic investigations that covers the three major domains in Professional Security Studies—National, Corporate and Information Assurance/Cyber Security. Students will be introduced to the various forensic investigations involved within these three areas.

*Prerequisite:* SECU 150 Introduction to Security

#### **SECU 321 SEMINAR IN NATIONAL SECURITY (3)**

National Security and its impact on the many facets of our society is the primary focus of this seminar course. Homeland security and the role played by the nation's intelligence agencies will be discussed as it pertains to the various responsibilities of security professionals—both corporate and government.

*Prerequisite:* SECU 150 Introduction to

## Security

**SECU 322 COMPUTER SECURITY II (3)**

This intermediate course focuses on the importance of information security (INFOSEC) and the impact technology has in the field of professional security. Specific areas of coverage include: Operational Security (OPSEC), policy, roles and responsibility, cryptology, transmission security, and components of the National Training Standard for Information Systems Security (NTSISS). Components include: national policy, threats, countermeasures, and risk management among others.

This is the second of three courses students can take towards National Security Agency (NSA) certification for information systems security (INFOSEC), NST 4011 standard (SECU 322 and SECU 422 are also required to receive a NSA certificate).

*Prerequisite:* SECU 222 Computer Security I

**SECU 323 RISK MANAGEMENT (3)**

The management of risk is the focus of this course as it applies to national and corporate security organizations. Critical Incident Response, and organizational continuity is emphasized.

*Prerequisite:* SECU 150 Introduction to Security

**SECU 324 SECURITY FRAUD (3)**

The investigation of fraud by security and related professionals (to include law enforcement) is the focus of this course. This course emphasizes forensic accounting techniques and methods to identify and prevent fraud. Everyone will benefit from the knowledge gained through this course, which emphasizes methods and techniques as identified by Certified Fraud Specialists.

*Prerequisite:* SECU 150 Introduction to Security

**SECU 398 RESEARCH IN PROFESSIONAL SECURITY STUDIES (3)**

Introduction and practice in the use of primary sources, including the basic methodologies and techniques of research design within the field of Professional Security Studies. Student will gain experience in the development of research proposals, and in the use and verification of different types of empirical evidence. Consistent with the environment of Professional Security in the 21st Century, use of electronic databases, computers and technology are emphasized throughout.

*Prerequisite:* SECU 150 Introduction to Security

**SECU 411 EXTREMIST GROUPS****AND SECURITY (3)**

This course focuses on understanding the motivation, tactics, and targeting trends of extremist groups so that managers and command staff are better able to evaluate potential threats and developed appropriate countermeasures to protect the organization's personnel and other assets. Students discuss terrorism as a form of political violence and its effect on security management.

*Prerequisite:* SECU 150 Introduction to Security

**SECU 422 COMPUTER SECURITY III (3)**

This capstone course focuses on the importance of information security (INFOSEC) and the impact technology has in the field of professional security. Major domains covered are National Training Standard for Information Systems Security - (NTSISS) planning/management, systems lifecycle management, contingency planning/disaster recovery, physical security measures, personal security practices and procedures, software security, network security, administrative controls, auditing, cryptosecurity, key management transmission and TEMPEST security.

This is the third of three courses students can take towards National Security Agency (NSA) certification for information systems security (INFOSEC), NST 4011 standard (SECU 222 and SECU 322 are also required to receive a NSA certificate)

*Prerequisite:* SECU 222 Computer Security I and, SECU 322 Computer Security II

**SECU 465 RESOURCE MANAGEMENT IN SECURITY (3)**

This course explores the major issues of financial and human resource management and combines theories with practical applications to best emphasize current best practices. The first half of the course focuses on the fundamentals of human resource management, while the remaining half focuses on budgeting and finance.

*Prerequisite:* SECU 150 Introduction to Security

## EMERITI

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William J. Maxwell, Ed.D.

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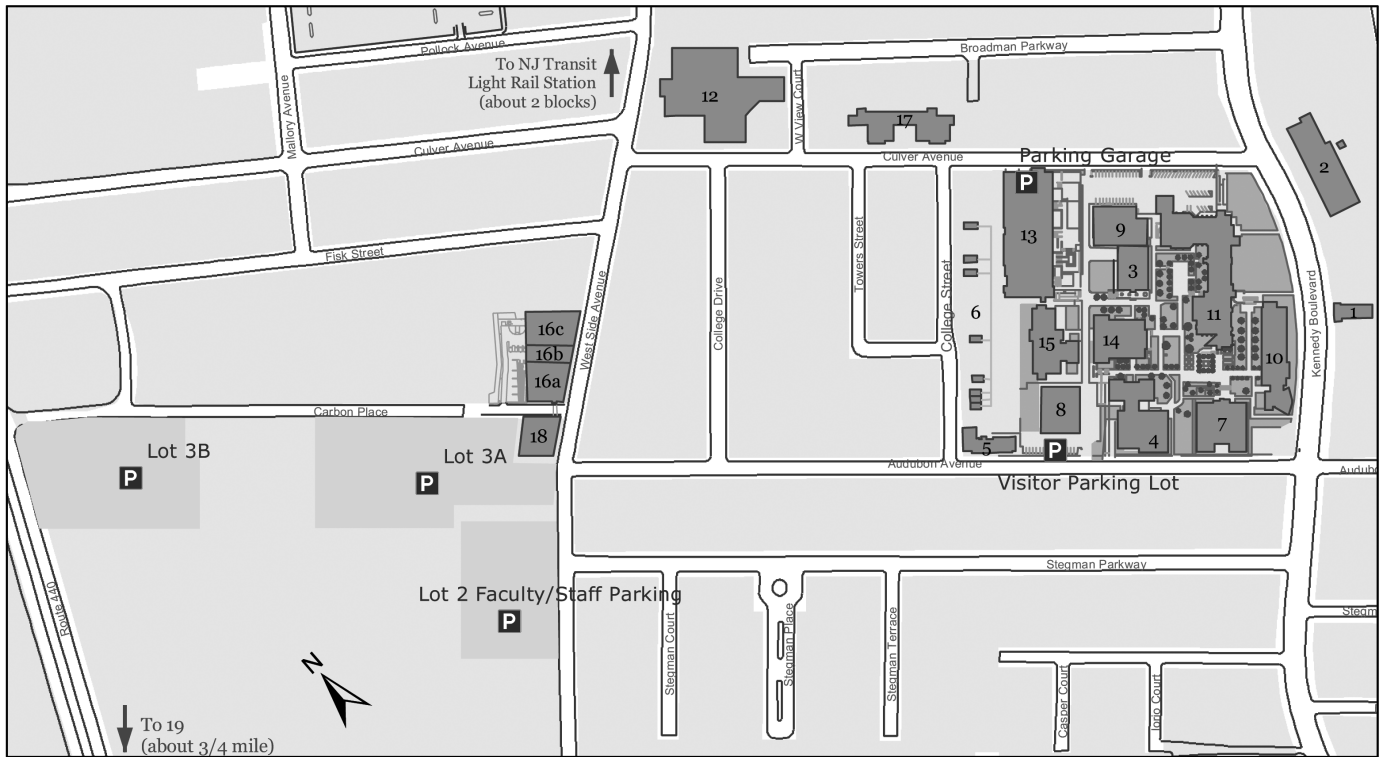
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New Jersey City University  
Campus Map



- |   |  |   |
|---|--|---|
| 1. 2040 Kennedy Apartments                  | 8. Education and Professional Studies Building | 15. Science Building                                |
| 2. A. Harry Moore Laboratory School         | 9. Fries Hall                                  | 16a. University Academy Charter High School         |
| 3. George Karnoutsos Arts and Sciences Hall | 10. Grossnickle Hall                           | 16b. West Side Theatre                              |
| 4. Vodra Hall                               | 11. Hepburn Hall                               | 16c. Business Development Incubator                 |
| 5. Co-op Dormitory                          | 12. John J. Moore Athletics and Fitness Center | 17. Visual Arts Building                            |
| 6. College Street Houses                    | 13. Michael B. Gilligan Student Union          | 18. Facilities and Construction Management Building |
| 7. Congressman Frank I. Guarini Library     | 14. Rossev Hall                                | 19. Thomas M. Gerritt Athletic Complex              |

**Parking Facilities**

[http://www.njcu.edu/dept/usc/parking\\_info.html](http://www.njcu.edu/dept/usc/parking_info.html)

parking@njcu.edu

For information regarding current parking fees, regulations, Parking Cards, lost cards, or refunds, please visit the University Service Center, or log onto the web site above.

**GILLIGAN STUDENT UNION GARAGE—CULVER AVENUE**

7:00 a.m.–11:00 p.m.; Monday–Saturday  
Sunday—No charge.

Two levels of parking are located beneath the Gilligan Student Union. Approaching from West Side Avenue, enter the parking lot by turning right from Culver Avenue. When approaching from Kennedy Boulevard, left turns are prohibited by the Jersey City Police Department. Two entrance lanes are equipped with a parking ticket dispensers and parking card readers. All students, faculty and staff who have a stored value account can use their I.D. Card to gain access to the garage. Patrons without a stored value account will need to pull a ticket from the dispenser. Press the flashing

green button and remove the ticket from the dispenser. Booth Exit (left-side) is stationed with a Parking Lot Attendant from Monday to Friday 7:00 a.m.–11:00 p.m. and on Saturday from 8:00 a.m.–4:00 p.m. for patrons paying with cash as well as Gothic Card holders. Card Only Exit (right side) is ONLY for pre-paid Gothic Card holders. **When no parking lot attendant is on duty, please use the Parking Pre-Pay Station located on the upper level of the garage at the pedestrian exit to pre-pay.**

**WESTSIDE AVENUE—PARKING LOT #2 FACULTY/ STAFF PARKING**

Westside Ave. at Stegman Parkway  
7:00 a.m.–11:00 p.m.; Monday–Saturday  
Sunday—Closed

There is an entrance and exit located in this parking lot for Faculty/Staff. All Faculty/Staff may gain entrance by using their University Gothic Card I.D.

**WESTSIDE AVENUE—PARKING LOT #3**

Westside & Audubon Avenues  
7:00 a.m.–11:00 p.m.; Monday–Saturday  
Entrances and exits are equipped with a card

reader for Gothic Card holders and a ticket dispenser for daily paying patrons. A Parking Lot Attendant is available Monday to Friday, 7:00 a.m. – 11:00 p.m. for patrons paying with cash. There is a Pay-on-Foot station located at the Shuttle Bus Drop-Off for patrons who wish to pre-pay their ticket (Use of the Pre-Pay station is required if no Parking Lot Attendant is on duty).

An “Express” Gothic Card Holder exit lane is at the Carbon Place exit in Lot #3 (Near the tennis courts).

An additional entrance, exit and a reversible entrance/exit lane for pre-paid cardholders and ticket patrons is at the rear of Lot #3—Route 440/West Campus. Ticket patrons should proceed to any of the Pay-on-Foot stations to pay for parking prior to exiting the Parking Lot.

**AUDUBON AVENUE RESERVED PARKING—LOT #4**

Located on Audubon Ave. between Kennedy Blvd. and West Side Ave., this parking lot is reserved for special visitors to the University.

**PARKING PRE-PAY STATIONS**

The Pay-on-Foot stations are for ticket patrons only. Stations accept payment in paper currency of \$1, \$5, \$10 and \$20, and in coins, with the exception of pennies. Change is made in either coins or paper currency, or both.

Three stations are located throughout campus:

1. Parking Lot #4—Audubon Avenue at the Shuttle Bus Drop-off & Pick-up.
2. Parking Lot #3—Westside Avenue & Audubon Avenue at the 1st Shuttle Bus Drop-off.
3. GSU Garage/Lot #1—Upper Level of the Garage near the pedestrian exit.

**LOST TICKETS**

Go to the Parking Pre-Pay Station; push the Lost Ticket Button; insert the displayed fee amount; and a validated ticket will be issued. You have 90 minutes to exit the parking lot.

**PARKING CARD****ACCOUNT WEB ACCESS**

Gothic Card balances may be viewed at <http://www.njcu.edu>. Go to the direct links and click on Gothic Card. You will see the link <https://services.jsatech.com/index.php?cid=131>. You will need your Gothic Card # which is located on the front of your card right below your name.

***Handicapped Parking***

Handicapped parking spaces are available in all University lots. Additional assistance or information can be obtained or arranged with the security personnel located in each lot or entrance to the University. Assistance can also be arranged in advance by calling NJCU's Parking and Transportation Department at 201-200-2290.

***Shuttle Bus Service***

NJCU's Parking and Transportation Department provides Shuttle Bus Service to and from the University's off-campus buildings and parking areas. The Shuttle operates continuously between 7:00 a.m. and 11:00 p.m., Monday through Friday when the University is in session. There is no service Saturdays, Sundays, holidays or during recess periods. The Shuttle Service is for the exclusive use of New Jersey City University students, faculty, staff and official guests. Proper identification in the form of a valid College I.D. is required, and must be presented upon request by the driver.

**DIRECTIONS TO THE UNIVERSITY*****By Public Transportation:*****FROM MANHATTAN**

Take the #99S bus from Port Authority Bus Terminal directly to the University. Or take the PATH subway to Journal Square and follow the directions below.

For more information, log on to: [www.njtransit.com](http://www.njtransit.com)

Or take the PATH subway to Journal Square and follow the directions below.

**FROM PATH TERMINAL AT JOURNAL SQUARE**

Take the #10 South Boulevard bus from platform D1 directly to the University's main entrance. Or board the #80 Newark Avenue/Gates Avenue bus, and get off at Audubon and West Side Avenues. From here, you may either walk the three short blocks to campus, or take the free shuttle bus that stops inside the University's parking lot on West Side Avenue.

For more information, log on to [www.panynj.com/path/index.html](http://www.panynj.com/path/index.html) or [www.redandtan.com](http://www.redandtan.com).

**FROM THE HUDSON-BERGEN LIGHT RAIL**

Take Hudson-Bergen Light Rail to West Side Avenue stop, (last stop). Walk 4 blocks south on West Side Avenue to Culver Avenue. Turn left on Culver and walk 3 short blocks to the main campus, or walk one more block to Audubon Avenue to take the free shuttle bus that stops inside the University's parking lot on West Side Avenue.

For more information, log on to [www.njtransit.com/sf\\_lightrail.shtm](http://www.njtransit.com/sf_lightrail.shtm) for more information

***By Car:*****FROM THE NEW JERSEY TURNPIKE**

Take the New Jersey Turnpike to Exit 15E. After paying the toll, follow the signs to Routes 1&9 North (Truck Route). Go over two bridges to a traffic light. Stay straight at the light. After the McDonalds (on the right), go to the second traffic light and turn right onto Kennedy Boulevard. NJCU is 12 blocks down on the right. The entrance to Parking Lot #3 is on West Side Avenue & Audubon Avenue.

**FROM ROUTE 280, ROUTE 80, OR ROUTE 3**

Take Route 280 East, Route 80 East, or Route 3 East to the NJ Turnpike. Follow the directions above.

**FROM ROUTE 78 AND ROUTES 1&9**

Take Route 78 East to Routes 1&9 North. Routes 1&9 North will split—stay to the right (1&9 Truck Route). Do not go over the Pulaski Skyway. Take Routes 1&9 North over two bridges to a traffic light. Stay straight at the light. After the McDonalds (on the right), go to the second traffic light and turn right onto Kennedy Boulevard. NJCU is 12 blocks down on the right. Parking is on Culver Avenue.

**FROM THE GARDEN STATE PARKWAY (NORTHBOUND)**

Take the Garden State Parkway North to Exit 140—Route 22 East. Take Route 22 East to Routes 1&9 North. Follow the directions above from Routes 1&9.

**FROM NEW YORK CITY (HOLLAND TUNNEL)**

After exiting the Holland Tunnel, go straight and up the hill. Maneuver yourself into the center lanes (an exit for the Turnpike will be on the right; then an exit for Routes 1&9 will be on the left). Continue through approximately seven lights. You will come to a "T"—this is Kennedy Boulevard. Make a left onto Kennedy Boulevard. At the fifth light, you will enter Journal Square. Follow Kennedy Boulevard as it veers right at Journal Square. Continue on Kennedy Boulevard to the University.





New Jersey City University  
2039 Kennedy Boulevard  
Jersey City, New Jersey 07305