LaGuardia Community College provides its students with a wide range of learning opportunities in the areas of personal growth, academic achievement and career preparation. To meet these goals, the College has created a variety of academic programs. For students who are uncertain about their career goals, LaGuardia has excellent Liberal Arts programs. The College offers programs leading to three degrees: the Associate in Arts (AA), the Associate in Science (AS), and the Associate in Applied Science (AAS). In addition, the College offers four Certificate programs. The programs of study include:

ASSOCIATE IN ARTS

- Communication Studies
- Education Associate: The Bilingual Child
- Human Services
  - Healthcare Navigation Track
- Liberal Arts: Social Sciences and Humanities
  - Childhood Education Option
  - Deaf Studies Option
  - History Option
  - International Studies Option
  - Japanese Option
  - Journalism Option
  - Latin American Studies Option
  - Media Studies Option
  - Music Option
  - Political Science Option
  - Secondary Education-Teacher Education Transfer Option
- Philosophy
- Psychology
- Spanish-English Translation
- Writing and Literature
  - Creative Writing Track

ASSOCIATE IN SCIENCE

- Accounting
- Biology
- Business Administration
  - Aviation Management Option
  - Healthcare Management Option
- Computer Science
- Criminal Justice
- Engineering Science:
  - Civil Engineering
  - Electrical Engineering
  - Mechanical Engineering -
    Earth System Science and Environmental Engineering Option
- Environmental Science
- Fine Arts
  - Design Studies Option
- Liberal Arts: Mathematics and Science
- Actuary Science
- Theatre
- Therapeutic Recreation

ASSOCIATE IN APPLIED SCIENCE

- Commercial Photography
  - Fine Arts Photography Option
- Computer Operations: Network Administration & Security Option
- Computer Technology
- Energy Technician
- Foodservice Management
- Industrial Design
- Music Recording Technology
- New Media Technology
- Nursing
- Occupational Therapy Assistant
- Paralegal Studies
- Physical Therapy Assistant
- Programming and Systems
- Radiologic Technology
- Travel, Tourism, and Hospitality Management
- Veterinary Technology
The Accounting Program, administered by the Business and Technology Department, leads to an Associate in Science (AS) degree. The Program provides a solid foundation in accounting and liberal arts for students who plan to transfer to a four-year college to earn a Bachelor’s degree in Accounting.

The AS Accounting Program is designed to maximize transfer credit to senior colleges such as Baruch College and Queens College. The program includes a selection of accounting and business courses, and an internship that will provide valuable learning experiences and an opportunity for future contacts and work.

Accountants are highly respected professionals. They are in demand from all sectors of our economy including large corporations, government agencies, small businesses of all kinds, and individuals who need advice on investments or taxes. Exciting, well-paid career options exist in finance, entertainment, sports, criminal investigations, the food and fashion industry, international trade, retail and forensic accounting. Accountants can go into business for themselves or work for others.

Businesses, large or small, public or private, seek accounting professionals to manage and analyze financial matters. Through a study of the field of accounting you can learn the skills you need to become one of those professionals, and a two-year degree will place you well on your way to an accounting career.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on the basic skills requirements, see page 189. Descriptions of courses in the major can be found on page 93.

### Accounting Curriculum: AS Degree

#### PATHWAYS COMMON CORE: 30 CREDITS

**A. REQUIRED CORE: 12 credits**

**English: 6 credits**

- ENG101 English Composition I 3
- (ENA101 or ENC101 depending on placement scores)
- ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning: 3 credits**

- Select one course from the following:
  - MAT107 Mathematics and the Modern World 3
  - MAT115 College Algebra and Trigonometry
  - MAT117 Algebra and Trigonometry (depending on placement scores)
  - MAT119 Statistics with Elementary Algebra (depending on placement scores)
  - MAT120 Elementary Statistics

**Life and Physical Sciences: 3 credits**

- Select one of the following:
  - SCB101 Topics in Biological Sciences 3
  - SCB206 Introduction to Neuroscience
  - SCC101 Topics in Chemistry
  - SCP105 Life in the Universe
  - SCP140 Topics in Astronomy

**B. FLEXIBLE CORE: 18 credits**

- Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

  - World Cultures and Global Issue
  - US Experience in its Diversity
  - Creative Expression
  - Individual and Society
  - Scientific World

Students are advised to select one Urban Study course to complete the College requirement. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No e: Students can select only two courses from any one discipline.

#### PROGRAM CORE: 30 CREDITS

- BTF101 First Year Seminar for Business 2
- BTA111 Principles of Accounting I 4
- BTA112 Principles of Accounting II 4
- BTA201 Intermediate Accounting I 3
- BTA202 Intermediate Accounting II 3
- BTC200 Introduction to Information Systems 3
- BTI121 People, Work & Organizations 3
- BTI201 Business Internship 2
- BTM101 Introduction to Business 3
- BTM110 Business Law I 3

**TOTAL CREDITS:** 60
The Biology Program, offered by the Natural Sciences Department, leads to an Associate in Science (AS) Degree. The Program is articulated with York College and students will be able to transfer all 60 credits. In addition, students will be able to transfer to other CUNY four-year institutions.

The goals of the Biology Program are:
- To introduce students to hypothesis-driven science and hands-on research through required coursework and supervised research laboratory internship.
- To connect students, biology, and lived experience through an integrated curriculum.
- To prepare students for successful transfer to a four-year college and ultimately graduate or medical school.

An important aspect of the Biology curriculum is that students will have the opportunity to participate in hands-on research. All Biology majors take Fundamentals of Biotechniques—a course in which students will perform common laboratory techniques as well as learn the concepts behind these techniques. The most exciting aspect of this course will be designing experiments and interpreting the data collected, while learning how to conduct research responsibly. All Biology majors will also complete their Cooperative Education internships with one of LaGuardia’s faculty, with faculty at a senior college, or at a laboratory. The goal is to place students in a research laboratory where they will participate in conducting a research project. Students are advised to take this Cooperative Education internship after having taken Fundamentals in Biotechniques. The capstone course for Biology Majors is Cell Biology. Here, students will conduct a small research project in class, and give oral presentations that will be deposited into their capstone electronic portfolios (ePortfolios).

Students graduating LaGuardia with an AS in Biology will be able to transfer and enroll in upper-level Biology courses without difficulty at an articulating four-year college such as York College. The Biology curriculum at LaGuardia is modeled after a curriculum that students attending a four-year college would be expected to take during the first two years of study. LaGuardia graduates will have completed several general education requirements and several science requirements needed for completion of a Bachelor’s Degree in Biology: a year of general biology (a pre-requisite for upper-level biology courses at senior colleges), a year of general chemistry and a year of organic chemistry. Students will showcase selected assignments and accomplishments in a Biology ePortfolio that can include in their admissions application and share with potential faculty mentors at a specific senior college.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete.

For more information on the basic skills requirements, see page 189. Descriptions of courses in the major can be found on page 171.

Biology Curriculum: AS Degree

PATHWAYS COMMON CORE: 32 CREDITS

This program has a waiver of specific courses to complete Core requirements.

A. REQUIRED CORE: 13 credits

- **English: 6 credits**
  - ENG101 English Composition I 3
  - ENG102 Writing through Literature 3

- **Mathematical and Quantitative Reasoning: 3 credits**
  - Select one of the following courses: 3
    - MAT115 College Algebra and Trigonometry
    - MAT117 Algebra and Trigonometry (depending on placement scores)
    - MAT119 Statistics with Elementary Algebra (depending on placement scores)
    - MAT120 Elementary Statistics

- **Life & Physical Sciences: 4 credits**
  - SCB201 Fundamentals of Biology I (STEM) 4

B. FLEXIBLE CORE: 19 credits

- Select one course from each of the five flexible core categories and one additional course from any flexible core category.

- **World Cultures and Global Issues**
- **US Experience in its Diversity**
- **Creative Expression**
- **Individual and Society**
- **Scientific World**

Students are required to select SCB202 (Fundamentals of Biology II, 4cr) and are advised to select one Urban Studies course to complete college requirements. To complete the degree requirements, students are advised to select courses from the recommended courses listed on the program website. No more than one course can be selected from any one discipline.

PROGRAM CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>Natural Sciences</th>
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<tr>
<td>NSF100 First Year Seminar for Natural Sciences</td>
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<tr>
<td>SCB252 Fundamentals of Biotechniques</td>
<td>3</td>
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<tr>
<td>SCB253 Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>SCC201 Fundamentals of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>SCC202 Fundamentals of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>SCC251 Organic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>SCC252 Organic Chemistry II</td>
<td>5</td>
</tr>
</tbody>
</table>

Unrestricted electives: 3 credits 3

TOTAL CREDITS: 62
The Business Administration Program, which is coordinated by the Business and Technology Department, leads to an Associate in Science (AS) degree, and offers options in Aviation Management and Healthcare Management. It is designed to provide a solid foundation for transfer to a senior college for those students intending to continue their education at the baccalaureate level immediately after graduation. A key objective of the program is to maximize transfer credit at senior colleges. Students who are interested in immediate employment upon graduation should find the Business Management program more suited to their needs, since it is designed to allow more flexibility in the selection of business courses.

Students enrolled in the Business Administration program will be able to complete internships from numerous job opportunities available through LaGuardia’s Cooperative Education Department. These work experiences enable the student to bridge the gap between classroom theory and practical applications in the business world and provide valuable experience for choosing a career and subsequent full-time employment.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 94.

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**Business Administration Curriculum:**

**AS Degree**

**PATHWAYS COMMON CORE: 30 CREDITS**

A. **REQUIRED CORE: 12 credits**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>ENG101</td>
<td>3</td>
</tr>
<tr>
<td>(ENA101 or ENC101 depending on placement scores)</td>
<td>ENG102</td>
<td>3</td>
</tr>
<tr>
<td>Mathematical and Quantitative Reasoning</td>
<td>MAT107 Mathematics and the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>Life &amp; Physical Sciences: 3 credits</td>
<td>MAT115 College Algebra and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
<td>3</td>
</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
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</table>

B. **FLEXIBLE CORE: 18 credits**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
<td>SCB206 Introduction to Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>SCC101 Topics in Chemistry</td>
<td>SCP101 Topics in Physics</td>
<td>3</td>
</tr>
<tr>
<td>SCP105 Life in the Universe</td>
<td>SCP140 Topics in Astronomy</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are advised to select one Urban Study course to complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No courses from one discipline.

**PROGRAM CORE: 30 CREDITS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTF101</td>
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<tr>
<td>BTA111</td>
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<tr>
<td>BTA112</td>
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<tr>
<td>BTC200</td>
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<tr>
<td>BTI121</td>
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<tr>
<td>BTI201</td>
<td>2</td>
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<tr>
<td>BTM101</td>
<td>3</td>
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<tr>
<td>BTM103</td>
<td>3</td>
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<tr>
<td>BTM104</td>
<td>3</td>
</tr>
<tr>
<td>BTM110</td>
<td>3</td>
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</tbody>
</table>

TOTAL CREDITS: 60
COMMERCIAL PHOTOGRAPHY

www.laguardia.edu/commercial-photography

The Commercial Photography Program, offered through the Humanities Department, offers both an Associate in Applied Science (AAS) degree, and/or a one-year certificate.

The one-year Certificate curriculum emphasizes basic and intermediate photography skills and is an excellent introduction to commercial laboratory techniques. It is particularly suited to individuals interested in seeking employment in a commercial photography lab. Students will learn to process color transparencies and color negative film, and print color photographs using professional automated equipment. In addition to color photography, the curriculum involves the student in intensive traditional black-and-white photography techniques including photo chemistry, lighting, mathematics, and basic techniques of the commercial photographer.

The two-year AAS degree program is designed to train and qualify graduates for entry-level positions in the commercial photography industry. The first year of the program is almost identical to that of the certificate curriculum. In the second year, the student concentrates on advanced concepts and techniques of commercial photography, including 4x5 camera, electronic flash and tungsten illumination.

The program also offers two additional paths of study, in addition to the traditional Commercial Photography Program: the Digital Photography and Fine Art Photography Options.
Commercial Photography Curriculum: AAS Degree

PATHWAYS COMMON CORE: 21 CREDITS

A. REQUIRED CORE: 12 Credits

   English: 6 credits
   ENG101 English Composition I 3
   (ENA101 or ENC101 depending on placement scores)
   ENG102 Writing through Literature 3

   Mathematical and Quantitative Reasoning: 3 credits
   Select one course from the following: 3
   MAT107 Mathematics and the Modern World
   MAT115 College Algebra and Trigonometry -
   MAT117 Algebra and Trigonometry -
   (depending on placement scores)
   MAT119 Statistics with Elementary Algebra
   (depending on placement scores)
   MAT120 Elementary Statistics

   Life and Physical Sciences: 3 credits
   Select one of the following courses: 3
   SCB101 Topics in Biological Sciences
   SCB206 Introduction to Neuroscience -
   SCC101 Topics in Chemistry -
   SCP101 Topics in Physics -
   SCP105 Life in the Universe -
   SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 9 Credits*

   Select three courses from the flexible core categories below.
   No e: Only one course may be selected from a category and
   select courses from three different disciplines.

   World Cultures and Global Issues -
   US Experience in its Diversity -
   Creative Expression -
   Individual and Society -
   Scientific World -

*Additional Common Core courses will be required when transferring to a CUNY College. To complete a degree requirement s from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website.

TOTAL CREDITS: 60
FINE ARTS PHOTOGRAPHY OPTION:

The Photography Program, in conjunction with the Fine Arts degree Program, also offers a Fine Arts Photography option within the Commercial Photography degree. This option is not only a counterpoint to the specifically commercial nature of the photo degree, certificate, and Digital option, but is a response to overwhelming interest in photography as an art form shown by inquiring students in both majors. The Fine Arts option focuses on traditional techniques, their integration with digital technology, and the development of the conceptual building blocks required to make a fine art statement.

Students will also receive essential information on business practices, self-promotion, portfolio development and how to secure employment as either a photographer’s assistant or staff photographer. Additional courses focus on content, such as color theory, computer art (graphics, necessary as an introduction to digital imagery), two-dimensional design and photojournalism. This AAS degree is also an excellent vehicle through which to transfer to a variety of four-year colleges with professional programs in photography.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 156.

Counseling
New Student Seminar 0

Humanities: 9 credits
HUA202 History of Photography 3

Select one of the following: 6
HUA104 Introduction to Design 3
HUA115 Color Theory 3
HUA126 Computer Art II 3

Select one of the following: 3
HUN191 Photojournalism
HUN192 Art and Society

Fine Arts Photography
HUA103 Beginning Drawing 3
HUA125 Computer Art I 3
HUA130 Beginning Photography 3
HUA155 The View Camera 3
HUA230 Intermediate Photography 3
HUA234 Color Photography 3
HUA238 Alternative Photography: The Manipulated Image 3
HUC240 Video Production Workshop 3

Unrestricted Electives: 3 credits

TOTAL CREDITS: 60

Commercial Photography Certificate

Commercial Photography: 24 credits
HUA130 Beginning Photography 3
HUA131 Digital Photography I 3
HUA145 Studio Lighting I 3
HUA230 Intermediate Photography 3
HUA231 Digital Photography II 3
HUA 234 Color Photography 3
HUA245 Studio Lighting II 3

Humanities: 3 credits
Select one of the following courses: 3
HUA155 The View Camera
HUA238 Alternative Photography

TOTAL CREDITS: 24
The Communication Studies Program strives to combine both the theoretical framework and the practical skills of communication. Coordinated by the Humanities Department, the Communication Studies Program leads to an Associate of Arts (AA) degree with five areas of concentration: Public Relations, Speech Pathology, Mass Communication, Organizational Communication, and Public Address. Using participatory learning, students work to enhance their oral, written, and critical thinking skills. Emphasis is placed on communication in social, professional, culturally diverse settings, in the context of a multimedia, globalized world. The aim of the Communication Studies Program is to assist students in transferring to four-year colleges or to begin a career in a related industry.

Communication is an area of study that focuses on the ways in which individuals communicate via different channels. Communication scholars have conducted research and developed theories in order to improve our ability to predict human interaction and perform communicative acts effectively and appropriately. Students majoring in the Communication Studies program will be able to choose a concentration among the following five tracks: Public Relations, Speech Pathology, Mass Communication, Organizational Communication, and Public Address.

The Public Relations concentration focuses on preparing students to master knowledge in all forms of communication in the public arena, whether for political, commercial, or social purposes. After completing the program, students may transfer to communication programs in four-year colleges, or embark on career paths in areas such as public relations, negotiation and mediation, sales, advertising, human resources, politics, law, marketing, and counseling. Speech Pathology students will specialize in fundamental knowledge of the speech mechanism and receive competency-based training in the field of Speech Pathology. Students in the Speech Pathology concentration will need to complete their Bachelor’s and also their Master’s degree to become certified speech-language pathologists. Speech pathologists can work in educational institutions, hospitals, nursing homes, or the private sector. The concentration in Mass Communication focuses on the history of media studies as well as hands-on techniques (e.g., LaGuardia Community College’s web radio station) in creating and producing media work. Mass Communication students may transfer to a four-year college or develop their careers in electronic media, radio/television, broadcasting, film industries, and journalism (via companion courses in the English Department). The Organizational Communication concentration focuses on preparing students how to communicate in workplace teams, explore the meaning of work, practice the communication skills that they will need to do well at any job, and market themselves in the changing economy. Organizational Communication students may transfer to a four-year college or develop their careers in education, government, business, human resources, and industry as well as consulting and training. The concentration in Public Address focuses on how to win arguments and how to persuade other ethically and effectively. Students will learn to become a more critical participant in democratic society and to use argumentation and persuasion to change policy, set precedents, or operate democratically in the world. Public Address students may transfer to a four-year college or develop their careers in law, education, public affairs, and speech writing for political figures.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189. Descriptions of courses in this major begin on page 150.
Communication Studies: AA Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 Credits

**English: 6 credits**
ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning: 3 credits**
Select one course from the following:
MAT107 Mathematics and the Modern World 3
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry (depending on placement scores)
MAT119 Statistics with Elementary Algebra (depending on placement scores)
MAT120 Elementary Statistics

**Life & Physical Sciences: 3 credits**
Select one course from the following:
SCB101 Topics in Biological Sciences 3
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 18 Credits

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.
World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World

Students are advised to select one Urban Studies course to complete college requirements. To complete degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No one course may be selected from any one discipline.

TOTAL CREDITS: 60

PROGRAM CORE: 30 CREDITS

**Counseling**
New Student Seminar 0

**Communication**
HUC101 Fundamentals of Communication 3
HUC106 Public Speaking 3
HUC111 Interpersonal Communication 3
HUC230 Communication Theory 3
HUN180 Intercultural Communication 3

Select two of the following courses:
HUC104 Voice and Diction
HUC108 Communication in a Professional Setting
HUC113 Oral Interpretation
HUC117 Communication and Technology
HUC118 Gender and Communication
HUC119 Nonverbal Communication
HUC127 Sports Communication
HUC140 Introduction to Broadcasting
HUC192 Health Communication
HUC204 Race and Communication

**Unrestricted elective: 3 credits**
HUC220 Experiential Learning in Communication Studies (Optional with permission of the Program Director)

**Concentration Area: (select one)**

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<thead>
<tr>
<th>PUBLIC RELATIONS</th>
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<tr>
<td>HUC141 Public Relations 3</td>
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<td>Select one of the following courses</td>
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<tr>
<td>HUC142 Public Relations Writing</td>
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<td>HUC143 Public Relations Campaigns</td>
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<td>HUC115 Phonetics</td>
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<td>HUC116 Survey of Speech, Language and Hearing Disorders</td>
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<td>HUC120 Mass Media and their Evolution</td>
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<td>HUC130 Mass Communication and Society</td>
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<td>HUC112 Small Group Communication</td>
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<td>HUC151 Organizational Communication</td>
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<td>HUC109 Argumentation and Debate</td>
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<td>HUC136 Persuasion</td>
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</table>

TOTAL CREDITS: 31
In 2008, the programs of the Computer Information Systems Department were reorganized. No program was eliminated. Programs were assigned to different academic departments. The program descriptions below indicate the new departments to which the offerings are assigned.

All programs and options award students an Associate in Applied Science (AAS) degree, except for the Computer Science Program, which awards the Associate in Science (AS) degree and the Certificate in Digital Media Arts.

**Computer Science:**
MATHEMATICS, ENGINEERING AND COMPUTER SCIENCE DEPARTMENT

The major in Computer Science is appropriate for those students interested in mathematics and/or computer science who plan to transfer to a senior college for further study in computer science. Graduating students will be prepared for careers as programmers for business and/or scientific applications.

**Programming and Systems:**
MATHEMATICS, ENGINEERING AND COMPUTER SCIENCE DEPARTMENT

The Programming and Systems curriculum provides training for entry-level jobs as well as for transfer to a senior college as a business or information sciences major. Graduates of this program may qualify for positions as programmers or programmer trainees.

**Computer Operations - Computer Network Administration and Security Option:**
MATHEMATICS, ENGINEERING AND COMPUTER SCIENCE DEPARTMENT

This option will provide graduates with a thorough knowledge of network operating systems, thereby enabling graduates to support fully client/server environments. In addition, students will be prepared to take certification examinations in UNIX and Windows.

**Computer Technology:**
MATHEMATICS, ENGINEERING AND COMPUTER SCIENCE DEPARTMENT

This curriculum provides the skills needed for careers in a rapidly growing technical area. Students will be prepared for careers as field engineers specializing in microcomputer repair and network diagnosis. Students will be prepared to transfer to a bachelor of technology program at a senior colleges.

**Computer Technology - Telecommunications Option:**
MATHEMATICS, ENGINEERING AND COMPUTER SCIENCE DEPARTMENT

Not accepting new students.

**New Media Technology:**
HUMANITIES DEPARTMENT

The New Media Technology curriculum prepares students for varied careers in new media including webmaster, multimedia applications developer, Internet programmer, streaming video and digital film producer. Students have a choice of specialization between Multimedia Design and Web Programming.

For more information on basic skills requirements, see page 189. Descriptions of courses in this major begin on page 144.
Computer Operations Curriculum: AAS Degree

COMPUTER NETWORK ADMINISTRATION & SECURITY OPTION

PATHWAYS COMMON CORE: 27 CREDITS

A. REQUIRED CORE: 12 credits

**English: 6 credits**
- ENG101 English Composition I 3
  (ENA101 or ENC101 depending on placement scores)
- ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning: 3 credits**
- Select one course from the following:
  - MAT119 Statistics with Elementary Algebra 3
    (depending on placement scores)
  - MAT120 Elementary Statistics (STEM) 3

**Life and Physical Sciences: 3 credits**
- Select one of the following courses:
  - SCB101 Topics in Biological Sciences
  - SCB206 Introduction to Neuroscience
  - SCC101 Topics in Chemistry
  - SCP101 Topics in Physics
  - SCP105 Life in the Universe
  - SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 15 credits

Select one course from each of the five flexible core categories.

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World

Students are advised to select one Urban Study course to complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from recommended course selections listed on the program website. No fewer than 60 credits are required when transferring to a CUNY College.

**PROGRAM CORE: 33 CREDITS**

<table>
<thead>
<tr>
<th>Business and Technology</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BTA111 Principles of Accounting I 4</td>
<td></td>
</tr>
<tr>
<td>BTM101 Introduction to Business 3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Computer Science</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ECF090 First Year Seminar for Engineering and Computer Science 0</td>
<td></td>
</tr>
<tr>
<td>MAC109 Introduction to Visual Programming 3</td>
<td></td>
</tr>
<tr>
<td>MAC232 UNIX Network Operating Systems 3</td>
<td></td>
</tr>
<tr>
<td>MAC233 Windows Network Operating System 3</td>
<td></td>
</tr>
<tr>
<td>MAC245 Network and Systems Security 3</td>
<td></td>
</tr>
<tr>
<td>MAC246 Advanced Network and Systems Security 3</td>
<td></td>
</tr>
<tr>
<td>MAC252 Advanced UNIX 3</td>
<td></td>
</tr>
<tr>
<td>MAC253 Advanced Windows 3</td>
<td></td>
</tr>
<tr>
<td>MAC293 Computer Repair and Network Maintenance 4</td>
<td></td>
</tr>
</tbody>
</table>

**Unrestricted elective: 1 credit**

|  |
|-------------------------|--|
| Business and Technology |  |
| Computer Science |  |
| **TOTAL CREDITS:** | 60 |

33
Computer Science Curriculum:  
AS Degree

**PATHWAYS COMMON CORE: 30 CREDITS**

*This program has a waiver of its specific courses to complete Common Core requirements.*

**A. REQUIRED CORE: 13 Credits**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>ENG101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>(ENA101 or ENC101 depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
<td>3</td>
</tr>
<tr>
<td>Mathematical and Quantitative Reasoning</td>
<td>4</td>
</tr>
<tr>
<td>MAT201 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Life and Physical Sciences</td>
<td>3</td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
<td></td>
</tr>
<tr>
<td>SCB206 Introduction to Neuroscience</td>
<td></td>
</tr>
<tr>
<td>SCC101 Topics in Chemistry</td>
<td></td>
</tr>
<tr>
<td>SCP101 Topics in Physics</td>
<td></td>
</tr>
<tr>
<td>SCP105 Life in the Universe</td>
<td></td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
<td></td>
</tr>
</tbody>
</table>

**B. FLEXIBLE CORE: 18 Credits**

*Select one course from each of the five flexible core categories below and one additional course.*

| World Cultures and Global Issues            |         |
| US Experience in its Diversity             |         |
| Creative Expression                        |         |
| Individual and Society                     |         |
| Scientific World - Students are required to take MAT115 and MAT200 under Scientific World; both courses are prerequisites for MAT201. |         |

Students intending to transfer to Queens College are advised to enroll in MAC270 Advanced Topics in Computer Science. This course will substitute for MAC286 Data Structures.

**PROGRAM CORE: 28 CREDITS**

**Math, Engineering and Computer Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECF090 First Year Seminar for Engineering and Computer Science</td>
<td>0</td>
</tr>
<tr>
<td>MAC101 Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>MAC125 Advanced C/C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>MAC190 Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>MAT210 Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC281 Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>MAC283 Computer Organization and Assembly Language</td>
<td>3</td>
</tr>
<tr>
<td>MAC286 Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>MAT202 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT231 Introduction to Discrete Math</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:**

60
Computer Technology:
AAS Degree

PATHWAYS COMMON CORE: 21 CREDITS

A. REQUIRED CORE: 12 credits

   English: 6 credits
   ENG101 English Composition I 3
   (ENA101 or ENC101 depending on placement scores)
   ENG102 Writing through Literature 3

   Mathematical and Quantitative Reasoning: 3 credits
   MAT115 College Algebra and Trigonometry 3
   MAT117 Algebra and Trigonometry (depending on placement scores)

   Life and Physical Sciences: 3 credits
   Select one course from the following: 3
   SCB101 Topics in Biological Sciences
   SCB206 Introduction to Neuroscience
   SCC101 Topics in Chemistry
   SCP101 Topics in Physics
   SCP105 Life in the Universe
   SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 9 credits

   Select one course from three of the five flexible core categories
   World Cultures and Global Issues
   US Experience in its Diversity
   Creative Expression
   Individual and Society
   Scientific World

No e: S uden can select only one course from any one discipline. S uden s are advised o select one Urban Sudy course o complete e college requirements. To complete e degree requirements s from he Flexible Core, s uden s are advised o select courses from he recommended course selections listed on he program website.

PROGRAM CORE: 39 CREDITS

Math, Engineering and Computer Science
ECF090 First Year Seminar for Engineering and
   Computer Science 0
   MAT241 Technical Mathematics I 4
   MAT242 Technical Mathematics II 4
   MAC241 Computer Electronics I 4
   MAC242 Computer Electronics II 3
   MAC265 Computer Hardware Interfacing and Programming 3
   MAC289 Computer Technology Project Lab 2
   MAC291 Computer Logic, Design and Implementation I 4
   MAC292 Computer Logic, Design and Implementation II 4
   MAC293 Computer Repair and Network Maintenance 4
   MAC295 Computer Architecture 4

Business & Technology
   BTM101 Introduction to Business 3

TOTAL CREDITS: 60

COMPUTER NETWORK ADMINISTRATION &
SECURITY CERTIFICATE CURRICULUM

Math, Engineering & Computer Science: 15 credits
   UNIX Network Operating Systems MAC232 3
   Windows Network Operating Systems MAC233 3
   Network and Systems Security MAC245 3
   Advanced Network and Systems Security MAC 246 3
   Advanced UNIX Administration MAC252 3

TOTAL CREDITS: 15

Descriptions of courses in this major begin on page 161.
# Programming and Systems: AAS Degree

## PATHWAYS COMMON CORE: 21 CREDITS

### A. REQUIRED CORE: 12 credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English: 6 credits</td>
<td></td>
</tr>
<tr>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>(ENA101 or ENC101 depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
<td>3</td>
</tr>
<tr>
<td>Mathematical and Quantitative Reasoning: 3 credits</td>
<td></td>
</tr>
<tr>
<td>MAT115 College Algebra and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAT117 Algebra and Trigonometry</td>
<td></td>
</tr>
<tr>
<td>Life and Physical Sciences: 3 credits</td>
<td></td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td></td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>SCB206 Introduction to Neuroscience</td>
<td></td>
</tr>
<tr>
<td>SCC101 Topics in Chemistry</td>
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<tr>
<td>SCP101 Topics in Physics</td>
<td></td>
</tr>
<tr>
<td>SCP105 Life in the Universe</td>
<td></td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
<td></td>
</tr>
</tbody>
</table>

### B. FLEXIBLE CORE: 9 credits

Select one course from three of the five flexible core categories.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

No e: Student can select only one course from any one discipline. Student is advised to select one Urban Study course to complete college requirements. To complete a degree requirement from the Flexible Core, student is advised to select courses from the recommended course selections listed on the program website.

## PROGRAM CORE: 39 CREDITS

### Math, Engineering and Computer Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECF090 First Year Seminar for Engineering and Computer Science</td>
<td>0</td>
</tr>
<tr>
<td>MAC101 Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>MAC109 Introduction to Visual Programming</td>
<td>3</td>
</tr>
<tr>
<td>MAC110 Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>MAC250 Database Concepts and Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

### OBJECT ORIENTATED AND UNIX CONCENTRATION

#### Business and Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTA111 Principles of Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>BTM101 Introduction to Business</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Math, Engineering and Computer Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC125 Advanced C/C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>MAC230 Comparative Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>MAC260 Introduction to Teleprocessing</td>
<td>3</td>
</tr>
<tr>
<td>MAT200 PreCalculus</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>MAC232 UNIX Network Operating Systems</td>
<td>6</td>
</tr>
<tr>
<td>MAC233 Windows Network Operating System</td>
<td></td>
</tr>
<tr>
<td>MAC252 Advanced UNIX</td>
<td></td>
</tr>
<tr>
<td>MAC253 Advanced Windows</td>
<td></td>
</tr>
<tr>
<td>MAC265 Computer Hardware Interfacing and Programming</td>
<td></td>
</tr>
<tr>
<td>MAC293 Computer Repair and Network Maintenance</td>
<td></td>
</tr>
</tbody>
</table>

### Unrestricted Elective: 1 credit

### WEB PROGRAMMING CONCENTRATION

#### Business and Technology

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTM116 Introduction to E-Business</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUW111 E-Commerce Technology</td>
<td>3</td>
</tr>
<tr>
<td>HUW166 Introduction to Web Development</td>
<td>3</td>
</tr>
<tr>
<td>HUW167 Dynamic Web Development</td>
<td>3</td>
</tr>
<tr>
<td>HUW168 Advanced Dynamic Web Design</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Math, Engineering and Computer Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC270 Advanced Topics in Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following course pairs:</td>
<td>6</td>
</tr>
<tr>
<td>MAC232 UNIX Network Operating Systems</td>
<td></td>
</tr>
<tr>
<td>MAC252 Advanced UNIX</td>
<td></td>
</tr>
<tr>
<td>or MAC265 Computer Hardware Interfacing and Programming</td>
<td></td>
</tr>
<tr>
<td>MAC293 Computer Repair and Network Maintenance</td>
<td></td>
</tr>
<tr>
<td>Students may opt to take Business Internship (BTI201) in lieu of MAC252, 253, or 293</td>
<td></td>
</tr>
</tbody>
</table>

### Unrestricted Electives: 3 credits

## TOTAL CREDITS: 60

36
## New Media Technology: AAS Degree

### PATHWAYS COMMON CORE: 21 CREDITS

#### A. REQUIRED CORE: 12 credits

**English: 6 credits**
- ENG101 English Composition I 
  *(ENA101 or ENC101 depending on placement scores)*  
- ENG102 Writing through Literature

**Mathematical and Quantitative Reasoning: 3 credits**
- Select one course from the following:
  - MAT119 Statistics with Elementary Algebra *(depending on placement scores)*
  - MAT120 Elementary Statistics (STEM)

**Life and Physical Sciences: 3 credits**
- Select one of the following courses:
  - SCB101 Topics in Biological Sciences
  - SCB206 Introduction to Neuroscience
  - SCC101 Topics in Chemistry
  - SCP101 Topics in Physics
  - SCP105 Life in the Universe
  - SCP140 Topics in Astronomy

#### B. FLEXIBLE CORE*

- Select three courses from any five flexible core categories.
  - World Cultures and Global Issues
  - US Experience in its Diversity
  - Creative Expression
  - Individual and Society
  - Scientific World

To complete the degree requirements, students are advised to select courses from the recommended course selections listed on the program website. No more than two courses from any one discipline. Additional Common Core courses will be required when transferring to a CUNY College.

### PROGRAM CORE: 39 CREDITS

#### New Media Technology
- HUW111 E-commerce Technology
- HUW112 Introduction to New Media
- HUW161 Principles of Multimedia and Web Design
- HUW166 Introduction to Web Development
- HUW167 Dynamic Web Design
- HUW269 New Media Project Lab

#### Humanities: 3 credits
- Select one of the following courses:
  - HUN191 Photographic Journal
  - HUN196 Film and New York City

#### Business and Technology: 3 credits
- Select one of the following courses:
  - BTI203 Internship in Emerging Technology
  - BTM116 Introduction to E-Business

### TOTAL CREDITS: 60

SMART PHONE APP DEVELOPMENT TRACK: IOS CONCENTRATION
- MAC101 Introduction to Computer Science
- MAC105 Objective C Programming
- MAC110 System Analysis and Design
- MAC120 Introduction to Mobile App Development
- MAC221 App Development for iOS

SMART PHONE APP DEVELOPMENT TRACK: ANDROID CONCENTRATION
- MAC101 Introduction to Computer Science
- MAC190 Object-Oriented Programming
- MAC110 System Analysis and Design
- MAC120 Intro to Mobil App Development
- MAC220 App Development for Android Devices

ENTREPRENEURSHIP TRACK
- BTM101 Introduction to Business
- BTM104 Principles of Marketing
- BTM110 Business Law
- BTM116 Introduction to e-Business
- BTM251 Launching New Business Ventures

DIGITAL JOURNALISM TRACK
- ENG208 Introduction to Digital Journalism
- ENG209 Advanced Digital Journalism
- ENG210 Journalism: Its Scope and Use

- Select two of the following courses:
  - ENG211 Journalism: The Craft of Gathering and Reporting the News
  - ENG212 Feature Writing for Newspapers and Magazines
  - ENG213 Broadcast Journalism: Writing for Radio
  - ENG274 Creative Nonfiction Workshop
  - ENG277 Creative Writing: New Media Workshop

DIGITAL MEDIA TRACK
- Select five (5) of the following courses:
  - HUA125 Computer Art I
  - HUA126 Computer Art II
  - HUA127 Computer Art III
  - HUC240 Video Production Workshop I
  - HUC241 Video Production Workshop II
  - HUM146 Music Audio Recording
  - HUW160 Topics in New Media
  - HUW162 Web Animation and Interactivity
  - HUW163 Internet Video
  - HUW168 Advanced Dynamic Web Design
  - HUW169 Internet Game Design

GAME DEVELOPMENT TRACK
- HUW169 Internet Game Design
- MAC101 Introduction to Computer Science
- MAC110 System Analysis and Design
- MAC125 Advanced C++ Programming
- MAC280 Game Programming
New Media Technology/Media Studies Digital Media Arts Certificate

**Humanities: 33 credits**
- Introduction to New Media HUW112 3
- Principles of Multimedia and Web Design HUW161 3
- Web Animation and Interactivity HUW162 3
- Internet Video and DVD Development HUW163 3
- Introduction to Computer Art HUA125 3
- The Art of Film HUC150 3
- Video Production Workshop HUC240 3
- Video Production Workshop II HUC241 3
- American Film HUC270 3

**Business and Technology: 3 credits**
- Introduction to Computers and Their Applications BTC100 3

**Elective: 3 credits**
- Select one of the following: 3
  - Introduction to Web Development HUW166
  - Music Audio Recording IHUM146

**TOTAL CREDITS: 33**

Descriptions of courses in this major begin on page 144.

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The Criminal Justice Program, housed in the Department of Social Science, is a Dual/Joint degree program with John Jay College of Criminal Justice. Students can earn either an Associate in Science (AS) degree from LaGuardia Community College or a Bachelor of Arts (BA) degree from John Jay College. This joint program is designed so LaGuardia students earn 45 credits toward the John Jay core requirements and 15 required credits toward the Criminal Justice major. LaGuardia AS graduates with a minimum GPA of 2.0 will transfer seamlessly to the third year of study in the BA program in Criminal Justice at John Jay. Through its Educational Partnership with LaGuardia, John Jay College contributes to student advisement, facilitates professor teaching exchanges and allows students in good academic standing to take courses required for the major at John Jay.

An AS or BA degree in criminal justice opens the door to a wide variety of career opportunities, including law enforcement, corrections, probation, parole, social work, forensics, firefighting, juvenile justice and court administration, just to name a few. Employment prospects for criminal justice positions in New York City are growing at a faster than average rate. Moreover, 60 college credits satisfy the educational requirements for the vast majority of entry-level criminal justice positions in New York City, including police officer (60 credits), correction officer (39 credits) and firefighter (15 credits). Students seeking greater educational opportunities and exposure to a wider range of career choices including forensic science, forensic psychology, criminal justice administration and international criminal justice are encouraged to earn their four-year degree.

Students enrolled in the Criminal Justice program will be able to complete internships at a range of government agencies and non-profit organizations available through LaGuardia’s Cooperative Education Department. These work experiences enable the student to bridge the gap between classroom theory and practical applications in the field of criminal justice and provide valuable experience for choosing a career and subsequent full-time employment.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 177.
Criminal Justice Curriculum: 
AS Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 credits

   English: 6 credits
   ENG101 English Composition I 3
   (ENA101 or ENC101 depending on placement scores)
   ENG102 Writing through Literature 3

   Mathematical and Quantitative Reasoning: 3 credits
   Select one course from the following:
   MAT119 Statistics with Elementary Algebra 3
   (depending on placement scores)
   MAT120 Elementary Statistics I (STEM) 3

   Life and Physical Sciences: 3 credits
   SCB101 Topics in Biological Sciences
   SCB206 Introduction to Neuroscience
   SCC101 Topics in Chemistry
   SCP101 Topics in Physical Sciences
   SCP105 Life in the Universe
   SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 18 credits

   Select one course from each of the five flexible core categories
   AND one additional course from any of the five categories.

   World Cultures and Global Issues
   US Experience in its Diversity
   Creative Expression
   Individual and Society
   Scientific World

   To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No exceptions. Students can select only two courses from any one discipline.

PROGRAM CORE: 30 CREDITS

Criminal Justice
   CJF101 First Year Seminar for Criminal Justice 3
   SSJ101 Introduction to Criminal Justice 3
   SSJ201 Criminology 3
   SSJ202 Corrections and Sentencing 3
   SSJ203 Policing 3
   SSN204 Crime and Justice in Urban Society 3

   English
   ENG103 Writing and Preparing the Research paper 3

   Social Science: 9 credits
   SSS100 Introduction to Sociology 3
   SSP101 U.S. Power and Politics 3
   Select one of the following courses:
   SSH101 Themes in American History to 1865 3
   SSH102 Themes in American History since 1865
   SSH103 Western Civilization from Ancient Times to the Renaissance
   SSH104 Western Civilization from the Renaissance to Modern Times
   SSH105 World History from Ancient Times to 1500
   SSH106 World History from 1500 to the Present
   SSH110 East Asia Civilization and Societies
   SSH231 Afro-American History
   SSH232 Survey of Latin American and Caribbean History

TOTAL CREDITS: 60

DIETETIC TECHNICIAN

Not accepting new students at this time.
EDUCATION ASSOCIATE:  
THE BILINGUAL CHILD

www.laguardia.edu/Academics/Majors/Education-Bilingual-Child/

The Education Associate: Bilingual Child Program is designed for students interested in pursuing teaching as a career with a focus on second language learners. The program is coordinated by the Education and Language Acquisition Department and awards the Associate in Arts (AA) degree.

Since the program focuses on Spanish-speaking children, candidates for admission are expected to demonstrate oral and written proficiency in Spanish equivalent to ELS105 Spanish for Fluent Speakers I.

The Bilingual Child program is articulated with City College’s major in Childhood Education. Upon transfer, students are expected to complete a Liberal Arts major and a co-major in education. Therefore, students should consult with a faculty advisor in the selection of elective courses to ensure maximum transferability of credits taken at LaGuardia Community College.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The specific courses students must successfully complete are determined by their scores on college placement test. For more information on the basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 103.

The Bilingual Child:  
AA Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 credits

English: 6 credits
ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores) 3
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one course from the following: 3
MAT107 Mathematics and the Modern World
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry (depending on placement scores)
MAT119 Statistics with Elementary Algebra (depending on placement scores)
MAT120 Elementary Statistics

Life and Physical Sciences: 3 credits
Select one of the following: 3
SCB101 Topics in Biological Sciences
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 18 credits 18

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World

Sudents are advised to select one Urban Study course to complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No student can select only two courses from any one discipline.

PROGRAM CORE: 30 CREDITS

Liberal Arts: 3 credits
LIF101 First Year Seminar 3

Education Core: 9 credits
ELE110 Arts in Education 3
ELE203 Language and Literacy in Childhood Education 3
ELN123 Foundations of Bilingual Education 3

Education & Language Acquisition: 12 credits
ELL101 Introduction to Language 3
ELL220 Sociolinguistics 3
ELS204 Latin American Civilizations 3
ELS210 Advanced Spanish Composition 3

Social Science: 6 credits
SSH106 World History from 1500 Present 3
SSY105 Learning and Education: Childhood to Adolescence 3

TOTAL: 60
The Engineering Science Program is housed within the Mathematics, Engineering and Computer Science Department and offers three degrees: Civil, Electrical and Mechanical Engineering. Each track has been designed for transfer as a Dual/Joint program with the School of Engineering at City College of New York (CCNY) and its programs, Bachelor of Engineering in Civil (BE / CE), Electrical (BE / EE), and Mechanical Engineering (BE / ME). Students who achieve a minimum grade of C in each course of their chosen track will receive an Associate in Science (AS) from LaGuardia. Such students are then guaranteed admission to the corresponding track of the four-year program at CCNY.

Matriculated students admitted in the program will be exposed both to the formal principles of engineering and to hands-on laboratory projects. The academic requirements of the Dual/Joint programs are more than sufficient to assure graduates licensure in New York State as Professional Engineers. The bachelor’s degree from CCNY is fully recognized by the Accreditation Board for Engineering and Technology (ABET) and is registered as licensure-qualifying by the New York State Department of Education.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Descriptions of courses in these majors can be found beginning on page 165.

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Engineering Science—Civil Engineering:
AS Degree

PATHWAYS COMMON CORE: 34 CREDITS

This program has a waiver to require specific courses in the Common Core.

A. REQUIRED CORE: 14 credits

**English: 6 credits**
- ENG101 English Composition I (ENA101 or ENC101 depending on placement scores) 3
- ENG259 Technical Writing 3

**Mathematical and Quantitative Reasoning: 4 credits**
- MAT201 Calculus 4

**Life and Physical Sciences: 4 credits**
- SCC201 Fundamentals of Chemistry I 4

B. FLEXIBLE CORE: 20 credits

Select six courses from the five flexible core categories.

No: Students can select only one course from any one discipline. Only one course can be selected from a category with the exception of Scientific World.

World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society

Students are required to select MAT202 Calculus II and SCC202 Fundamentals of Chemistry II.

So: Students are advised to select one Urban Study course to complete college requirements.

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed in the program handbook.

PROGRAM CORE: 26 CREDITS

**Math Engineering & Computer Science: 8 credits**
- ECF090 First Year Seminar for Engineering and Computer Science 0
- MAT203 Calculus III 4
- MAT204 Differential Equations 4

**Civil Engineering Core: 10 credits**
- MAC102 C/C++ Programming 3
- MAE101 Engineering Lab/Internship I 1
- MAE209 Structure & Site Plan 3
- MAE219 Thermodynamics 3

**Natural Sciences: 8 credits**
- SCP231 General Physics I 4
- SCP232 General Physics II 4

TOTAL CREDITS: 60
Engineering Science—Electrical Engineering: AS Degree

PATHWAYS COMMON CORE: 34 CREDITS

This program has a waiver to require specific courses in the Common Core.

A. REQUIRED CORE: 14 credits

English: 6 credits
ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores) 3
ENG259 Technical Writing 3

Mathematical and Quantitative Reasoning: 4 credits
MAT201 Calculus 4

Life and Physical Sciences: 4 credits
SCP231 General Physics I 4

B. FLEXIBLE CORE: 20 credits

Select six courses from the five flexible core categories.
No one student can select only one course from any one discipline. Only one course can be selected from a category with the exception of Scientific World.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Student is required to select MAT202 Calculus II and SCP232 General Physics II.

Students are advised to select one Urban Study course to complete college requirements.

To complete this degree requirement, students are advised to select courses from the recommended course selections listed in the program handbook.

PROGRAM CORE: 26 CREDITS

Math Engineering & Computer Science: 12 credits
ECF090 First Year Seminar for Engineering and Computer Science 0
MAT203 Calculus III 4
MAT204 Differential Equations 4
MAT221 Probability 4

Electrical Engineering Core: 10 credits
MAC102 C/C++ Programming 3
MAE101 Engineering Lab/Internship I 1
MAE213 Electrical Circuits 3
MAE219 Thermodynamics 3

Natural Sciences: 4 credits
SCP201 Fundamentals of Chemistry I 4

TOTAL CREDITS: 60

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Engineering Science—Mechanical Engineering Concentration or Earth System Science & Environmental Engineering Concentration: AS Degree

PATHWAYS COMMON CORE: 34 CREDITS

This program has a waiver to require specific courses in the Common Core.

A. REQUIRED CORE: 14 credits

English: 6 credits
ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores) 3
ENG259 Technical Writing 3

Mathematical and Quantitative Reasoning: 4 credits
MAT201 Calculus I 4

Life and Physical Sciences: 4 credits
SCP201 Fundamentals of Chemistry I 4

B. FLEXIBLE CORE: 20 credits

Select six courses from the five flexible core categories.
No one student can select only one course from any one discipline. Only one course can be selected from a category with the exception of Scientific World.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Student is required to select MAT202 Calculus II and SCP202 Fundamentals of Chemistry II.

Students are advised to select one Urban Study course to complete college requirements.

To complete this degree requirement, students are advised to select courses from the recommended course selections listed in the program handbook.

TOTAL CREDITS: 60
**PROGRAM CORE: 29 CREDITS**

Select one concentration from the following:

**Mechanical Engineering Concentration: 29 credits**

**Math Engineering & Computer Science: 8 credits**
- ECF090 First Year Seminar for Engineering and Computer Science: 0 credits
- MAT203 Calculus III: 4 credits
- MAT204 Differential Equations: 4 credits

**Mechanical Engineering Core: 13 credits**
- MAC102 C/C++ Programming: 3 credits
- MAE101 Engineering Lab I/Internship I: 1 credit
- MAE211 Engineering Mechanics: Statistics: 3 credits
- MAE213 Electrical Circuits: 3 credits
- MAE219 Thermodynamics: 3 credits

**Natural Sciences: 8 credits**
- SCP231 General Physics I: 4 credits
- SCP232 General Physics II: 4 credits

**Earth System Science & Environmental Engineering Concentration: 29 credits**

**Math Engineering & Computer Science: 4 credits**
- ECF090 First Year Seminar for Engineering and Computer Science: 0 credits
- MAT203 Calculus III: 4 credits

**Core: 15 credits**
- MAC102 C/C++ Programming: 3 credits
- MAE101 Engineering Lab I/Internship I: 1 credit
- MAE106 Earth System Science and Engineering: 4 credits
- MAE213 Electrical Circuits: 3 credits
- MAE217 Systems Analysis of the Earth: 4 credits

**Natural Sciences: 8 credits**
- SCP231 General Physics I: 4 credits
- SCP232 General Physics II: 4 credits

**Unrestricted Electives: 2 credits**

**TOTAL CREDITS:** 63
Energy Technician: AAS Degree

PATHWAYS COMMON CORE: 22 CREDITS

A. REQUIRED CORE: 12 credits

English: 6 credits
ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry
(depending on placement scores)

Life and Physical Sciences: 3 credits
SCP101 Topics in Physics 3

B. FLEXIBLE CORE: 10 credits

Select one course from three of the five flexible core categories

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World - Pre-Calculus (4 credits)

No: Students can select only one course from any one discipline. Students are advised to select one Urban Study course to complete the college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website.

PROGRAM CORE: 38 CREDITS

Math Engineering & Computer Science:
MAT201 Calculus I 4

Concentration Area: (select one)

MECHANICAL
Math, Engineering and Computer Science
MAE100 Introduction to Auto CAD 4
MAE107 Manufacturing Processes 3
MAE109 Introduction to Engineering 2
MAE110 Circuits Analysis I 3
MAE111 Circuits Analysis II 3
MAE121 Instrumentation 2
MAE190 Material Sciences 3
MAE191 Statics and Strength of Materials 3
MAE201 HVAC Systems 3
MAE207 Introduction to Thermodynamics for Technology 3
MAE208 Electromechanical Devices 3
MAE230 Senior Design Project 2

ELECTRICAL
Math, Engineering and Computer Science
MAC241 Computer Electronics I 4
MAC242 Computer Electronics II 3
MAC291 Computer Logic, Design and Implementation I 4
MAC292 Computer Logic, Design and Implementation II 4
MAE100 Introduction to Auto CAD 4
MAE102 Electrical Drafting and Blue Print Reading 2
MAE109 Introduction to Engineering 2
MAE110 Circuits Analysis I 3
MAE111 Circuits Analysis II 3
MAE208 Electromechanical Devices 3

Unrestricted electives: 2 credits 2

TOTAL CREDITS: 60
The Environmental Science Program, offered through the Natural Sciences Department, leads to an Associate in Science (AS) degree. The program has been designed to give students a solid preparation in the basic sciences as well as in the liberal arts. Many of the life science courses will include a fieldwork component that will focus on New York City. After completion of the Fundamentals of Biology and General Chemistry courses, students will be introduced in the Fundamentals of Ecology course to the basics of energy flow, ecosystem analysis and community interaction. The capstone course Environmental Science has an interdisciplinary approach integrating the underlying principles of global ecology with the interaction of climate, human technology and population growth. The laboratory portion of Environmental Science emphasizes team research on original projects, a research presentation and a submission of a written research report into the students’ ePortfolio. Students will have an opportunity to complete internships at pollution control stations, government facilities and community based environmental organizations.

The Environmental Science Program is fully articulated with the School of Earth and Environmental Sciences at Queens College. The School of Earth and Environmental Sciences provides an interdisciplinary approach to environmental studies allowing students to concentrate their studies in biology, chemistry or geology. Graduates of LaGuardia’s Environmental Science Program will transfer with 60 credits and have the opportunity to pursue a Bachelor’s degree at Queens College in Environmental Science or Environmental Studies.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 174.

Environmental Science: AS Degree

PATHWAYS COMMON CORE: 32 CREDITS

This program has a waiver to require STEM courses in the Common Core.

A. REQUIRED CORE: 13 credits

<table>
<thead>
<tr>
<th>English: 6 credits</th>
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</thead>
<tbody>
<tr>
<td>ENG101 English Composition I 3</td>
</tr>
<tr>
<td>(ENA101 or ENC101 depending on placement scores) 3</td>
</tr>
<tr>
<td>ENG102 Writing through Literature 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mathematical and Quantitative Reasoning: 3 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following courses:</td>
</tr>
<tr>
<td>MAT115 College Algebra and Trigonometry 3</td>
</tr>
<tr>
<td>MAT117 Algebra and Trigonometry 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Life &amp; Physical Sciences: 4 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCB201 General Biology I (STEM) 4</td>
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</tbody>
</table>

B. FLEXIBLE CORE: 20 Credits

Select one course from each of the five flexible core categories and one additional course from any flexible core category.

<table>
<thead>
<tr>
<th>World Cultures and Global Issues</th>
</tr>
</thead>
<tbody>
<tr>
<td>US Experience in its Diversity</td>
</tr>
<tr>
<td>Creative Expression</td>
</tr>
<tr>
<td>Individual and Society</td>
</tr>
<tr>
<td>Scientific World</td>
</tr>
</tbody>
</table>

Students are required to take SCB202 (Fundamentals of Biology II, 4cr.)

Students are advised to select one Urban Study course or college requirement. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course listings on the program website. No e; students can select only two courses from any one discipline.

PROGRAM CORE: 29 CREDITS

<table>
<thead>
<tr>
<th>Natural Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSF101 First Year Seminar for Natural Sciences 2</td>
</tr>
<tr>
<td>SCB260 General Microbiology 4</td>
</tr>
<tr>
<td>SCB265 Fundamentals of Ecology 4</td>
</tr>
<tr>
<td>SCC201 General Chemistry I 4</td>
</tr>
<tr>
<td>SCC202 General Chemistry II 4</td>
</tr>
<tr>
<td>SCG150 Introduction to Geographic Information Systems 4</td>
</tr>
<tr>
<td>SCG250 Environmental Science 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unrestricted electives: 3 credits</th>
</tr>
</thead>
</table>

TOTAL CREDITS: 62
The Fine Arts Program, coordinated by the Humanities Department, leads to an Associate in Science (AS) Degree. This program will offer training in studio art for students seeking careers in either the fine or applied arts. Emphasis throughout the curriculum will be placed on individual creativity, aesthetic awareness and an understanding of the visual arts in societies past and present.

The Fine Arts Program is open to students of all levels who wish to expand their technical and aesthetic knowledge in the areas of painting, drawing, sculpture, design, photography, and the history of art and film. The curriculum is structured to prepare students for immediate career objectives or for transfer to BA or BFA programs in studio art at the senior colleges of City University or other metropolitan area art schools. The Fine Arts curriculum is also designed to meet the needs of students who intend to transfer to specialized commercial art programs.

The curriculum places emphasis on drawing techniques and visual fundamentals. There are two required courses in drawing and one in design. A third drawing course may be selected as an elective. Within the curriculum, it is possible for students to select concentrations in painting, sculpture, photography or design. Two required courses in art history form an introduction to the major movements of world art. A third elective course in art history provides focus on the arts of a particular culture or period. Required areas of study in the Liberal Arts include writing, literature, mathematics, science, history and the humanities, providing indispensable cultural and practical background for the visual artist.

The program also provides important hands-on experience in the New York art world through cooperative education internships in professional art studios, galleries and museums.

The Design Arts Option provides the foundation coursework and experience necessary to begin a career as an Industrial Designer, Graphic Designer, Package Designer, Product Designer, Interior Designer or Fashion Designer, or to transfer to a four-year institution. Students study Design both in theory and in practice. They take rigorous courses in Design fundamentals and principles and the speciality area of Modelmaking. Modelmakers employ techniques, tools and materials used by architects and other design professionals to make 3-dimensional prototypes and mockups of everything from toasters to interior spaces. Design majors take full advantage professional Internships in the field.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the required courses section of the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills, see page 189.

Descriptions of courses in this major begin on page 153.

It is recommended that the Internship be taken as a Mentor Internship within the Art program.
## PROGRAM CORE: 30 CREDITS

### Liberal Arts
- LIF101 First Year Seminar for Liberal Arts 3

### Fine Arts
- HUA103 Beginning Drawing 3
- HUA104 Introduction to Design 3
- HUA165 Art History: Prehistoric Through Gothic 3
- HUA166 Art History: Renaissance Through Modern 3
- HUA180 Life Drawing 3
- HUA289 Art & Design Seminar 3

*Select one of the following courses: 3 credits*
- HUA106 Three-Dimensional Design 3
- HUA110 Beginning Painting 3
- HUA115 Color Theory 3
- HUA120 Beginning Sculpture 3
- HUA130 Beginning Photography 3
- HUA150 Beginning Printmaking 3
- HUA185 Illustration 3

*Select one of the following courses: 3 credits*
- HUA203 Intermediate Drawing 3
- HUA210 Intermediate Painting 3
- HUA220 Intermediate Sculpture 3
- HUA285 Graphic Narrative 3

*Select one of the following courses: 3 credits*
- HUA200 Art of the Twentieth Century 3
- HUA202 History of Photography 3
- HUA214 History of Illustration 3
- HUA215 Art of the Renaissance in Italy 3
- HUA216 Art of Africa, Oceania and Pre-Columbian America 3
- HUA294 Experiential Learning 3
- HUC150 The Art of Film 3
- HUN195 Art in New York: A Museum/Gallery Seminar 3
- HUP107 The Philosophy of Art 3

### TOTAL CREDITS: 60

## DESIGN STUDIES PROGRAM CORE: 30 CREDITS

### Liberal Arts
- LIF101 First Year Seminar for Liberal Arts 3

### Design Concentration: 27 credits
- HUA103 Beginning Drawing 3
- HUA104 Introduction to Design 3
- HUA106 Three-Dimensional Design 3
- HUA107 Form and Structure 3
- HUA180 Life Drawing 3
- HUA212 History of Design 3

*Select one of the following courses: 3 credits*
- HUA110 Beginning Painting 3
- HUA115 Color Theory 3
- HUA120 Beginning Sculpture 3
- HUA125 Introduction to Computer Art 3
- HUA130 Beginning Photography 3
- HUA150 Beginning Printmaking 3
- HUA185 Graphic Narrative 3

*Select one of the following courses: 3 credits*
- HUA126 Computer Art 2 3
- HUA203 Intermediate Drawing 3
- HUA207 Modelmaking I 3
- HUA210 Intermediate Painting 3
- HUA220 Intermediate Sculpture 3
- HUA230 Intermediate Photography 3
- HUA285 Graphic Narrative 3

*Select one of the following courses: 3 credits*
- HUA167 Introduction to African Art 3
- HUA200 Art of the Twentieth Century 3
- HUA202 History of Photography 3
- HUA215 Art of the Renaissance in Italy 3
- HUN195 Art in New York: A Museum/Gallery Seminar 3

### TOTAL CREDITS: 60
The Foodservice Management Program, offered through the Health Sciences Department, leads to an Associate of Applied Science (AAS) degree. The foodservice industry is the third largest employer in the country and is growing. The program has a culinary management emphasis and provides coursework in food science, culinary arts, production management, food safety, cultural foods, procurement and sustainability, nutrition, and human resources management and supervision. Additional support courses include liberal arts courses, accounting, marketing and meeting and events planning.

The Foodservice Management Program participates in the ManageFirst Program which is administered nationally through the National Restaurant Association Solutions. It is a management development program that equips students with the key competencies they need to begin or advance their management careers in the foodservice industry. Through ManageFirst Program students become certified in the following areas: ServSafe Food Safety, Controlling Foodservice Costs, Purchasing, Hospitality Human Resources Management and Supervision, and Restaurant Management. Through the internship component of the program, students apply their classroom learning to practical work experience in the foodservice industry.

Foodservice managers are responsible for the daily operations of restaurants and other establishments that prepare and serve meals and beverages to customers. They coordinate activities among various departments, such as kitchen, dining room, and banquet operations, and ensure that customers are satisfied with their dining experience. In addition, they oversee the inventory and ordering of food, equipment, and supplies and arrange for the routine maintenance and upkeep of the equipment and facilities. Managers are responsible for the administrative and human-resource functions of running the business, including recruiting new employees and monitoring employee performance and training.

Challenging and rewarding careers are available in foodservice management and the current demand for trained, entry-level management employees is strong. Those who acquire professional credentials distinguish themselves as being highly skilled, trained, motivated, and career-minded. Program graduates are qualified for entry-level middle management trainee positions in large-scale foodservice enterprises such as foodservice contract companies, restaurants, hotels, cafeterias, catering, school foodservice, fast food outlets, and vending machine operations.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on the basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 125.
The Human Services Program, coordinated by the Health Sciences Department, leads to an Associate in Arts (AA) degree that prepares students for careers in mental health, social work, and other human services related fields. The Program provides a foundation for students to continue their education and training by earning a Bachelor’s degree in one of the many helping professions: human services, social work, disability studies, gerontology, and psychology.

The Human Services Program focuses on training students with the skills necessary to provide helping and supportive services to individuals, families, groups, and communities from diverse backgrounds. Human service professionals seek to empower individuals and communities, emphasize strengths and abilities, and foster human growth and development. While the goal of the Program is to prepare students for transfer into Bachelor’s degree programs, our graduates may also seek entry-level professional employment positions in various settings such as group homes, after school programs, shelters, senior centers, day care programs, and community-based organizations.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Description of courses in this major can be found on page 128.

Human Services: AA Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 credits

English: 6 credits
ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
MAT120 Elementary Statistics 3

Life and Physical Sciences: 3 credits
Select one course from the following: 3
SCB101 Topics in Biological Sciences
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 18 Credits

Select one course from each of the five flexible core categories and one additional course from any flexible core category.

World Cultures and Global Issues - US Experience in its Diversity - Creative Expression - Individual and Society - Scientific World -

Students are advised to select one Urban Study course of each of the following categories and complete the college requirements. To complete the degree requirements, students are advised to select courses from the recommended course selections listed on the program website. No one course can select only two courses from any one discipline.

PROGRAM CORE: 30 CREDITS

Health Sciences
HSF090 First Year Seminar for Health Sciences 0
SCH160 Health & Wellness 3
SCH196 Community Research 1
SCN195 Community Health 2

Human Services Core: 12 credits
HSS101 Introduction to Human Services 3
HSS102 Social Policy & Social Welfare 3
HSS216 Interviewing & Counseling 3
HSS295 Community Organizing 3

Fieldwork: 3 credits
HSS290 Health and Human Services Seminar & Internship 3

Select one of the following concentrations:

Human Services: 9 credits
HSS214 Social Gerontology 3
HSS218 Group Interviewing and Counseling 3

Select one of the following courses 3
SCH150 Drugs & Behavior
SCH210 Human Sexuality
SCN194 HIV/AIDS, Science & Society

Health Navigation: 9 credits
BTO125 Medical Terminology 3
BTO170 Electronic Health Records 3
BTO270 Health Insurance Billing & Reimbursement 3

TOTAL CREDITS: 60
The Industrial Design Program, coordinated by the Humanities-Department, leads to an Associate in Applied Science Degree (AAS). Industrial Design is a combination of applied art and applied science, whereby aesthetics, ergonomics and usability of mass-produced products may be improved for marketability and production. The role of an industrial designer is to create and execute design solutions towards problems of form, usability, user ergonomics, engineering, marketing, brand development and sales. The Industrial Design program provides students through foundation coursework and experience the necessary skills to begin a career in Computer Assisted Design (CAD), Modelmaking and Product Design and Fabrication or to transfer to a four-year institution. Students will take courses in the history of design, 3-dimensional design and an introduction to computer-assisted design. Students will study design in both theory and practice. Students will have access to an 8,000 sq. ft studio and lab housed in NY Designs, a design business incubator program offered through the College’s Division of Adult and Continued Education. Students will work with digital laser cutting tools, plastic vacuum forming machines, 3D printing rapid prototyping machinery as well as hand tools and woodworking tools.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 154.

**INDUSTRIAL DESIGN**

**www.laguardia.edu/Academics/Majors/Industrial-Design**

**The Industrial Design Program, coordinated by the Humanities-Department, leads to an Associate in Applied Science Degree (AAS). Industrial Design is a combination of applied art and applied science, whereby aesthetics, ergonomics and usability of mass-produced products may be improved for marketability and production. The role of an industrial designer is to create and execute design solutions towards problems of form, usability, user ergonomics, engineering, marketing, brand development and sales. The Industrial Design program provides students through foundation coursework and experience the necessary skills to begin a career in Computer Assisted Design (CAD), Modelmaking and Product Design and Fabrication or to transfer to a four-year institution. Students will take courses in the history of design, 3-dimensional design and an introduction to computer-assisted design. Students will study design in both theory and practice. Students will have access to an 8,000 sq. ft studio and lab housed in NY Designs, a design business incubator program offered through the College’s Division of Adult and Continued Education. Students will work with digital laser cutting tools, plastic vacuum forming machines, 3D printing rapid prototyping machinery as well as hand tools and woodworking tools.**

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 154.

**Industrial Design: AAS Degree**

**PATHWAYS COMMON CORE: 21 CREDITS**

**A. REQUIRED CORE: 12 credits**

**English: 6 credits**

ENG101 English Composition I 3

(ENA101 or ENC101 depending on placement scores)

ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning: 3 credits**

Select one course from the following:

MAT107 Mathematics and the Modern World 3

MAT115 College Algebra and Trigonometry

MAT117 Algebra and Trigonometry

( Mandatory on scoring)

MAT119 Statistics with Elementary Algebra

( Mandatory on scoring)

MAT120 Elementary Statistics

**Life and Physical Sciences: 3 credits**

Select one of the following:

SCB101 Topics in Biological Sciences 3

SCB206 Introduction to Neuroscience

SCC101 Topics in Chemistry

SCP101 Topics in Physics

SCP105 Life in the Universe

SCP140 Topics in Astronomy

**B. FLEXIBLE CORE: 9 Credits**

Select three courses from the flexible core categories below.

No e: Only one course may be selected from a category and select courses from three different disciplines.

World Cultures and Global Issues, US Experience in its Diversity, Creative Expression, Individual and Society, Scientific World

Additional Common Core courses will be required when transferring to a CUNY College. To complete this degree requirement, students are advised to select courses from the recommended course selections listed on the program website.

**PROGRAM CORE: 39 CREDITS**

**Humanities:**

New Student Seminar 3

HUA104 Introduction to Design 3

HUA106 Three Dimensional Design 3

HUA107 Form & Structure 3

HUA109 SolidWorks 3

HUA116 Introduction to Woodworking 3

HUA190 Technical Drawing 3

HUA207 Modelmaking 3

HUA212 History of Design 3

HUN192 Art and Society 3

**Math Engineering & Computer Science: 11 credits**

MAE100 Introduction to CAD 4

MAE107 Manufacturing Processes 3

MAT241 Technical Mathematics 4

**Unrestricted Elective: 1 credit**

**TOTAL CREDITS:**

60
LIBERAL ARTS AND SCIENCES

The Liberal Arts and Sciences Programs are designed for students who want to continue their education at senior colleges and to engage in studies leading to careers in the arts and sciences. Students in these programs choose from a wealth of courses offered by the Education and Language Acquisition, English, Humanities, Mathematics, Engineering and Computer Science, Natural Sciences and Social Science Departments.

THE LIBERAL ARTS: MATHEMATICS AND SCIENCE PROGRAM, leading to the Associate in Science (AS) degree, is suggested for students interested in pursuing a career in mathematics, the sciences, engineering, medicine or allied health fields. The science and mathematics courses are designed specifically to meet the requirements of those students who wish to continue their education beyond the Associate degree.

THE LIBERAL ARTS: SOCIAL SCIENCES AND HUMANITIES PROGRAM leads to an Associate in Arts (AA) degree. For students who want an early start in planning for a liberal arts-related career, the program has a number of courses offered in such areas as art, music, media, theater, film, philosophy, journalism, community studies, child development and Latin American studies, to choose from.

THE DEAF STUDIES OPTION (AA degree) enables students to learn American Sign Language (ASL), and to understand the complexities of deaf communities. Students receive a broad liberal arts background for further study in ASL/English interpreting, special education, social work, rehabilitation counseling and related fields.

THE HISTORY OPTION (AA degree) is designed for those students who have a strong personal interest in learning more about History, and for students who plan to become History majors in four-year institutions. Students who major in History have a variety of career choices available, and the Option prepares students for advanced work in historical studies by training them in reading comprehension and textual analysis, critical thinking skills, and research methodologies. History classes help train students to appreciate a wide variety of writing styles and rhetorical strategies, thus exposing them to a greater diversity of literature. In addition, Writing Intensive Classes in History train students to conduct research and cite sources in accordance with standard scholarly practices.

THE INTERNATIONAL STUDIES OPTION (AA degree) is an interdisciplinary program that draws on the best resources of LaGuardia to prepare students to become better-informed world citizens and to develop the competencies needed to survive and succeed in the new global economy. Students in the International Studies program learn about cross-cultural understanding, explore global perspectives on various world issues and cultures, become more familiar with distinct regions and cultures of the world, and take at least two cycles of a foreign language. The option in International Studies promotes global awareness, intercultural understanding, and international engagement. The Liberal Arts International Studies Option is articulated with the International Studies interdisciplinary major at City College.

THE JAPANESE OPTION (AA degree) enables students to learn the Japanese language and other related disciplines such as Japanese literature, the art of Asia East Asian History, religions, and social psychology in Asia. The curriculum is designed to prepare students for transfer to baccalaureate programs in East Asian Studies and Japan Studies. The Liberal Arts Japanese Option is articulated with the East Asian Studies major (Japanese track) at Queens College.

THE LATIN AMERICAN STUDIES OPTION (AA degree) addresses the need for student preparation in the areas of Latin American, bi-cultural studies with prospective applications in the fields of education, diplomacy, business, cross-cultural studies and health care.

THE MEDIA STUDIES OPTION (AA degree) offers a curriculum which meets the growing demand for preparation in the expanding field of communications media (including film, television, video and other forms of electronic media). It provides a structure for guiding Liberal Arts students toward career and professional goals early in their academic careers. The curriculum is designed to prepare students for transfer to baccalaureate programs in film, television and other communications technologies. Internships take advantage of LaGuardia’s New York City location to provide students with experience in professional settings in this diverse and expanding field.

All Liberal Arts and Sciences majors have advisors to help with the planning of their programs. Planning course sequences will allow students to take full advantage of existing articulation agreements.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Descriptions of courses in these majors begin on page 141.
Liberal Arts–Social Science and Humanities: AA Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 Credits

English: 6 credits
ENG101 English Composition I* 3
(ENA or ENC depending on placement scores)
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one course from the following:
MAT107: Mathematics and the Modern World 3
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry
(depending on placement scores)
MAT119 Statistics with Elementary Algebra
(depending on placement scores)
MAT120 Elementary Statistics

Life & Physical Sciences: 3 credits
Select one course from the following:
SCB101 Topics in Biological Sciences 3
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 18 Credits
Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

World Cultures and Global Issues -
US Experience in its Diversity -
Creative Expression -
Individual and Society -
Scientific World -
Students are advised to select one Urban Studies course or complete a college requirement. To complete the degree requirement, students are advised to select courses from the recommended course selections listed on the program website. No e; Students can select only one course from any one discipline.

PROGRAM CORE: 30 CREDITS

Liberal Arts
LIF101 First Year Seminar for Liberal Arts 3
LIB200 Humanism, Science and Technology 3

English
ENG103 Preparing and Writing the Research Paper 3

Education & Language Acquisition
ELL101 Introduction to Language 3

English/ Education & Language Acquisition
Select one of the following courses:
ELF250 Modern French Literature in Translation 3
ELI250 Italian Literature in Translation
ELJ250 Japanese Literature in Translation
ELS250 Contemporary Latin American Fiction in Translation
ENG204 Asian American Literature
ENG235 Cultural Identity in American Literature
ENG245 Images of Women in Literature
ENG247 The Woman Writer
ENG248 Latino/Latina Writing of the United States
ENG261 Literature of Difference: Lesbian/Gay Writers

Humanities
Select one of the following courses
HUA103 Beginning Drawing
HUA110 Beginning Painting
HUA120 Beginning Sculpture
HUA125 Introduction to Computer Art
HUA130 Beginning Photography
HUM155 Voice I
HUM170 Guitar I
HUT110 Acting I
Select one of the following courses:
HUA101 Introduction to Art
HUN195 Art in New York
HUC106 Public Speaking
HUC150 The Art of Film
HUT170 Art of Theatre
HUC270 American Film
HUM109 World Music
HUM210 American Music
HUP101 Introduction to Philosophy
HUP104 Ethics and Moral Issues
HUP105 Philosophy of Religion
HUP106 Social and Political Philosophy

Social Science: 6 credits
Select one of the following courses:
SSA100 Introduction to Anthropology
SSA101 Cultural Anthropology
SSE103 Introduction to Microeconomics
SSE104 Introduction to Macroeconomics
SPP101 U.S. Power and Politics
SPP250 Political Ideas and Ideologies
SSS100 Introduction to Sociology
SSY101 General Psychology
Select one of the following courses:
SSH101 Themes in American History to 1865
SSH102 Themes in American History since 1865
SSH103 Western Civilization from Ancient Times to the Renaissance
SSH104 Western Civilization from the Renaissance to Modern Times
SSH105 World History from Ancient Times to 1500
SSH106 World History from 1500 to the Present
SSH110 East Asia Civilization and Societies
SSH113 Modern Chinese History
SSH114 Modern Japanese History
SSH121 Ancient Greek Civilization
SSH122 History of the Roman State and People
SSH151 Women and Gender in US History
SSH153 History of US Foreign Policy & International Relations
SSH231 Afro-American History
SSH232 Survey of Latin American and Caribbean History

Unrestricted electives: 3 credits

TOTAL CREDITS: 60
## CHILDHOOD EDUCATION OPTION

### PATHWAYS COMMON CORE: 30 CREDITS

#### A. REQUIRED CORE: 12 Credits

<table>
<thead>
<tr>
<th>English: 6 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG101 English Composition I*</td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
</tr>
<tr>
<td>Mathematical and Quantitative Reasoning: 3 credits</td>
</tr>
<tr>
<td>Select one course from the following:</td>
</tr>
<tr>
<td>MAT107: Mathematics and the Modern World</td>
</tr>
<tr>
<td>MAT115 College Algebra and Trigonometry</td>
</tr>
<tr>
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</tr>
<tr>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Life &amp; Physical Sciences: 3 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following courses:</td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
</tr>
<tr>
<td>SCB206 Introduction to Neuroscience</td>
</tr>
<tr>
<td>SCC101 Topics in Chemistry</td>
</tr>
<tr>
<td>SCP101 Topics in Physics</td>
</tr>
<tr>
<td>SCP105 Life in the Universe</td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
</tr>
</tbody>
</table>

#### B. FLEXIBLE CORE: 18 Credits

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No e: Students can select only two courses from any one discipline.

### PROGRAM CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIF101 First Year Seminar for Liberal Arts</td>
</tr>
<tr>
<td>Humanities</td>
</tr>
<tr>
<td>HUC116 Survey of Speech, Language and Hearing Disorders</td>
</tr>
<tr>
<td>Education &amp; Language Acquisition</td>
</tr>
<tr>
<td>ELE110 Arts in Education</td>
</tr>
<tr>
<td>ELE205 Language and Literacy in Early Childhood Education</td>
</tr>
<tr>
<td>ELN121 Foundations of Early Childhood Education</td>
</tr>
<tr>
<td>ELN206 Family, School &amp; Community in Early Childhood Education</td>
</tr>
<tr>
<td>Social Science</td>
</tr>
<tr>
<td>SSY101 General Psychology</td>
</tr>
<tr>
<td>SSY105 Learning and Education</td>
</tr>
<tr>
<td>SSY230 Abnormal Psychology</td>
</tr>
<tr>
<td>SSY240 Developmental Psychology</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 60

## DEAF STUDIES OPTION

### PATHWAYS COMMON CORE: 30 CREDITS

#### A. REQUIRED CORE: 12 Credits

<table>
<thead>
<tr>
<th>English: 6 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG101 English Composition I*</td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
</tr>
<tr>
<td>Mathematical and Quantitative Reasoning: 3 credits</td>
</tr>
<tr>
<td>Select one course from the following:</td>
</tr>
<tr>
<td>MAT107: Mathematics and the Modern World</td>
</tr>
<tr>
<td>MAT115 College Algebra and Trigonometry</td>
</tr>
<tr>
<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
</tr>
<tr>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Life &amp; Physical Sciences: 3 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following courses:</td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
</tr>
<tr>
<td>SCB206 Introduction to Neuroscience</td>
</tr>
<tr>
<td>SCC101 Topics in Chemistry</td>
</tr>
<tr>
<td>SCP101 Topics in Physics</td>
</tr>
<tr>
<td>SCP105 Life in the Universe</td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
</tr>
</tbody>
</table>

#### B. FLEXIBLE CORE: 18 Credits

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

Student s are advised to select Urban Studies as the recommended college requirement. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No e: Students can select only two courses from any one discipline.

### PROGRAM CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIF101 First Year Seminar for Liberal Arts</td>
</tr>
<tr>
<td>Humanities</td>
</tr>
<tr>
<td>HUC116 Survey of Speech, Language and Hearing Disorders</td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td>ENG103 Preparing and Writing the Research Paper</td>
</tr>
<tr>
<td>Education &amp; Language Acquisition</td>
</tr>
<tr>
<td>ELL101 Introduction to Language</td>
</tr>
<tr>
<td>Deaf Studies</td>
</tr>
<tr>
<td>ELM101 American Sign Language</td>
</tr>
<tr>
<td>ELM102 American Sign Language II</td>
</tr>
<tr>
<td>ELM103 American Sign Language III</td>
</tr>
<tr>
<td>ELM104 American Sign Language IV</td>
</tr>
<tr>
<td>ELM210 Sign Language Linguistics</td>
</tr>
<tr>
<td>Social Science</td>
</tr>
<tr>
<td>SSS190 Sociology of American Deaf Community</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 60
## PATHWAYS COMMON CORE: 30 CREDITS

### A. REQUIRED CORE: 12 Credits

- **English:** 6 credits
  - ENG101 English Composition I*  
    (ENA101 or ENC101 depending on placement scores)  
  - ENG102 Writing through Literature  

- **Mathematical and Quantitative Reasoning:** 3 credits
  - MAT107 Mathematics and the Modern World
  - MAT115 College Algebra and Trigonometry
  - MAT117 Algebra and Trigonometry
    (depending on placement scores)
  - MAT119 Statistics with Elementary Algebra
    (depending on placement scores)
  - MAT120 Elementary Statistics

- **Life & Physical Sciences:** 3 credits
  - SCB101 Topics in Biological Sciences
  - SCB206 Introduction to Neuroscience
  - SCC101 Topics in Chemistry
  - SCP101 Topics in Physics
  - SCP105 Life in the Universe
  - SCP140 Topics in Astronomy

### B. FLEXIBLE CORE: 18 Credits

- Select one course from each of the five flexible core categories
- AND one additional course from any flexible core category.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Students are advised to select one Urban Studies course to complete the college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No more than two courses from any one discipline.

## PROGRAM CORE: 30 CREDITS

### Liberal Arts

- LIF101 First Year Seminar for Liberal Arts  
- LIB200 Humanism, Science and Technology

### English

- ENG103 Preparing and Writing the Research Paper

## TOTAL CREDITS:

60
## INTERNATIONAL STUDIES OPTION

### PATHWAYS COMMON CORE: 30 CREDITS

**A. REQUIRED CORE: 12 Credits**

**English:** 6 credits  
ENG101 English Composition I*  
(ENA101 or ENC101 depending on placement scores)  
ENG102 Writing through Literature  

**Mathematical and Quantitative Reasoning:** 3 credits  
Select one of the following courses:  
MAT107 Mathematics and the Modern World  
MAT115 College Algebra and Trigonometry  
MAT117 Algebra and Trigonometry  
(MAT119 Statistics with Elementary Algebra  
Depending on placement scores)  
MAT120 Elementary Statistics

**Life & Physical Sciences:** 3 Credits  
Select one of the following courses:  
SCB101 Topics in Biological Sciences  
SCB206 Introduction to Neuroscience  
SCC101 Topics in Chemistry  
SCP101 Topics in Physics  
SCP140 Topics in Astronomy

**B. FLEXIBLE CORE: 18 credits**

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

*Sudents are advised to select one Urban Study course or complete a college requirement. To complete the degree requirement, select one course from the Flexible Core, select courses from the recommended course selections listed on the program website. No e: Students can select only two courses from any one discipline.

### PROGRAM CORE: 30 CREDITS

**Liberal Arts**
- LIF101 First Year Seminar for Liberal Arts 3
- LIB200 Humanism, Science and Technology 3

**English**
- ENG103 Preparing and Writing the Research Paper 3

**ENG/ELA**
- Select one of the following courses: 3  
ELF250 Modern French Literature in Translation  
ELJ250 Japanese Literature In Translation  
ELS250 Contemporary Latin American Fiction in Translation  
ENG260 The Novel  
ENG295 World Literatures Written in English

**Social Science: 15 credits**

Select three of the following: 9  
SSA100 Introduction to Anthropology  
SSA101 Cultural Anthropology  
SSE105 International Economics  
SSE125 World Geography  
SSH105 World History from Ancient Times to 1500  
SSH106 World History from 1500 to the Present  
SSP200 Global Politics

- Select two of the following: 6  
SSH101 Themes in American History to 1865  
SSH102 Themes in American History since 1865  
SSH103 Western Civilization from Ancient Times to the Renaissance  
SSH104 Western Civilization from the Renaissance to Modern Times  
SSH110 East Asia Civilization and Societies  
SSH232 Survey of Latin American and Caribbean History  
SSP220 Politics of Latin America and the Caribbean  
SSS100 Introduction to Sociology

**Unrestricted electives: 3 credits** 3

*An introductory cluster containing four courses is required for all DAY students; students must take the Cluster during the 12-week session when they take ENG101. Extended Day students may substitute a Liberal Arts elective.

TOTAL CREDITS: 60
### JAPANESE OPTION

#### PATHWAYS COMMON CORE: 30 CREDITS

<table>
<thead>
<tr>
<th><strong>A. REQUIRED CORE: 12 Credits</strong></th>
<th><strong>PROGRAM CORE: 30 CREDITS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English: 6 credits</strong></td>
<td><strong>Liberal Arts</strong></td>
</tr>
<tr>
<td>ENG101 English Composition I*</td>
<td>LIF101 First Year Seminar for Liberal Arts 3</td>
</tr>
<tr>
<td>(ENA101 or ENC101 depending on placement scores)</td>
<td>LIB200 Humanism, Science and Technology 3</td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
<td><strong>English</strong></td>
</tr>
<tr>
<td><strong>Mathematical and Quantitative Reasoning: 3 credits</strong></td>
<td>ENG103 Preparing and Writing the Research Paper 3</td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td><strong>Education and Language Acquisition</strong></td>
</tr>
<tr>
<td>MAT107 Mathematics and the Modern World</td>
<td>ELJ103 Intermediate Japanese I 3</td>
</tr>
<tr>
<td>MAT115 College Algebra and Trigonometry</td>
<td>ELJ104 Intermediate Japanese II 3</td>
</tr>
<tr>
<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
<td>ELJ250 Japanese Literature in Translation 3</td>
</tr>
<tr>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
<td><strong>Life &amp; Physical Sciences: 3 credits</strong></td>
</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
<td>Select one of the following courses:</td>
</tr>
<tr>
<td><strong>Life &amp; Physical Sciences: 3 credits</strong></td>
<td>ELC101 Elementary Modern Chinese I 3</td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td>ELC102 Elementary Modern Chinese II 3</td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
<td>ELC103 Intermediate Modern Chinese I 3</td>
</tr>
<tr>
<td>SCB206 Introduction to Neuroscience</td>
<td>ELC105 Modern Chinese for Heritage Students 3</td>
</tr>
<tr>
<td>SCC101 Topics in Chemistry</td>
<td>ELC201 Modern Chinese Literature (taught in Chinese) 3</td>
</tr>
<tr>
<td>SCP101 Topics in Physics</td>
<td>ELC202 Contemporary Chinese Literature (taught in Chinese)</td>
</tr>
<tr>
<td>SCP105 Life in the Universe</td>
<td>ELC203 Classic Chinese Literature (taught in Chinese) 3</td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
<td>ELK101 Elementary Korean I 3</td>
</tr>
</tbody>
</table>

#### B. FLEXIBLE CORE: 18 Credits

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

- World Cultures and Global Issues (ELJ101 and ELJ102)
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Students are advised to select one Urban Study course to complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed. No student can select only two courses from any one discipline.

#### TOTAL CREDITS: 60

---

*An introductory cluster containing four courses is required for all DAY students; students must take the Cluster during the 12-week session when they take ENG101. Extended Day students may substitute a Liberal Arts elective.*
JOURNALISM OPTION

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 Credits

English: 6 credits
ENGL101 English Composition I 3
(ENA101 or ENC101 depending on placement scores)
ENGL102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one of the following courses:
MAT107 Mathematics and the Modern World 3
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry  (depending on placement scores)
MAT119 Statistics with Elementary Algebra  (depending on placement scores)
MAT120 Elementary Statistics

Life & Physical Sciences: 3 credits
Select one of the following courses:
SCB101 Topics in Biological Sciences 3
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B FLEXIBLE CORE: 18 Credits
Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World

Students are advised to select one Urban Study course that complements the requirements. To complete a degree requirement, students are advised to select courses from the recommended course selection listed on the program website. No more than two courses from any one discipline.

PROGRAM CORE: 30 CREDITS

Liberal Arts
LIF101 First Year Seminar for Liberal Arts 3
LIB200 Humanism, Science and Technology 3

English
ENGL103 Preparing and Writing the Research Paper 3

Journalism Core
Select four of the following courses:
ENGL208 Introduction to Digital Journalism 12
ENGL209 Advanced Digital Journalism
ENGL210 Journalism: Its Scope and Use
ENGL211 Journalism: The Craft of Gathering and Reporting the News
ENGL212 Feature Writing for Newspapers and Popular Magazines
ENGL213 Broadcast Journalism: Writing for Radio
ENGL274 Creative Nonfiction Workshop
ENGL288 Internship

Humanities
Select one of the following courses:
HUA101 Introduction to Art 3
HUC106 Public Speaking
HUC150 The Art of Film
HUM101 Introduction to Music
HUN195 Art in New York
HUP101 Introduction to Philosophy
HUP104 Ethics and Moral Issues

Social Science
Select one of the following:
SSA100 Introduction to Anthropology 3
SSA101 Cultural Anthropology
SSE105 International Economics
SSE125 World Geography
SSH105 World History from Ancient Times to 1500
SSH106 World History from 1500 to the Present
SSP200 Global Politics
SSH103 Western Civilization from Ancient Times to the Renaissance
SSH104 Western Civilization from the Renaissance to Modern Times
SSH110 East Asia Civilization and Societies
SSH231 Afro-American History
SSH232 Survey of Latin American and Caribbean History
SSP220 Politics of Latin America and the Caribbean
SSS100 Introduction to Sociology

Unrestricted electives: 3 credits

TOTAL CREDITS: 60
# Latin American Studies Option

## Pathways Common Core: 30 Credits

### A. Required Core: 12 Credits

**English:** 6 credits  
ENG101 English Composition I  
(ENA101 or ENC101 depending on placement scores)  
ENG102 Writing through Literature  
**Mathematical and Quantitative Reasoning:** 3 credits  
MAT107 Mathematics and the Modern World  
MAT115 College Algebra and Trigonometry  
MAT117 Algebra and Trigonometry  
(depending on placement scores)  
MAT119 Statistics with Elementary Algebra  
(depending on placement scores)  
MAT120 Elementary Statistics

**Life & Physical Sciences:** 3 Credits  
Select one of the following courses:  
SCB101 Topics in Biological Sciences  
SCB206 Introduction to Neuroscience  
SCC101 Topics in Chemistry  
SCP101 Topics in Physics  
SCP105 Life in the Universe  
SCP140 Topics in Astronomy

### B. Flexible Core: 18 credits

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Students are advised to select one Urban Study course to complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections for program websites. No: Students can select only two courses from any one discipline. If you took a foreign language 101 you must take 102 in the same language or a different language for 101.

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## Program Core: 30 Credits

### Liberal Arts

- LIF101 First Year Seminar for Liberal Arts  
- LJB200 Humanism, Science and Technology

### English: 3 credits

- ENG103 Preparing and Writing the Research Paper

### Latin American Core

### Education and Language Acquisition: 6 credits

Select two of the following:

- ELF201 French Literature from a Global Perspective  
- ELF250 Modern French Literature in Translation  
- ELF260 French Cinema: Cultural Insights through Film  
- ELS200 Latin American Literature I  
- ELS201 Latin American Literature II  
- ELS204 Latin American Civilations  
- ELS205 Latin American Civilations  
- ELS250 Latin American Fiction in Translation

Note: ELS200, 201, and 204 are taught in Spanish. ELF250, 260 and ELS205 and 250 are taught in English. ELF201 is taught in French.

### Humanities: 6 credits

Select two of the following:

- HUM107 Music of Latin America  
- HUP116 Latin American Philosophy  
- HUT220 Contemporary Latina/o Theatre in the United States

### Social Science: 6 credits

Select two of the following:

- SSA106 Anthropology of Latin America  
- SSA120 Peoples and Culture of the Caribbean  
- SSP200 Global Politics  
- SSP220 Politics of Latin America and the Caribbean

### ELA/Humanities/Social Science Elective: 3 credits

Select an additional course from the ELA, Humanities, and Social Science lists above.

Note: Students who have not studied one of the languages spoken in Latin America are encouraged to take two courses each in Spanish, Portuguese, and French. The level of these courses will be assessed through placement exams.

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**Total Credits:** 60
### Media Studies Option

#### Pathways Common Core: 30 Credits

**A. Required Core: 12 Credits**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>ENG101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(ENA101 or ENC101 depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENG102 Writing through Literature</td>
<td>3</td>
</tr>
<tr>
<td><strong>Mathematical and Quantitative Reasoning: 3 credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAT107 Mathematics and the Modern World</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAT115 College Algebra and Trigonometry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAT117 Algebra and Trigonometry</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAT119 Statistics with Elementary Algebra</td>
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<tr>
<td></td>
<td>(depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>Life &amp; Physical Sciences: 3 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SCB101 Topics in Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SCB206 Introduction to Neuroscience</td>
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<tr>
<td></td>
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<tr>
<td></td>
<td>SCP101 Topics in Physics</td>
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<tr>
<td></td>
<td>SCP103 Life in the Universe</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SCP140 Topics in Astronomy</td>
<td></td>
</tr>
</tbody>
</table>

**B. Flexible Core: 18 Credits**

Select one course from each of the five flexible core categories and one additional course from any flexible core category.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Students are advised to select one Urban Study course to complete college requirements. To complete the degree requirements, students are advised to select courses from the recommended course selections listed on the program website. No two courses from any one discipline.

### Program Core: 30 Credits

#### Liberal Arts

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIF101 First Year Seminar for Liberal Arts</td>
<td>3</td>
</tr>
<tr>
<td>LIB200 Humanism, Science and Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

#### English

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG103 Preparing and Writing the Research Paper</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Media Studies

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUC150 Art of Film</td>
<td>3</td>
</tr>
<tr>
<td>HUC238 Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>HUC240 Video Production Workshop I</td>
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</tr>
<tr>
<td>HUC270 American Film</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Social Science

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SSA100 Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SSA101 Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>SSE103 Introduction to Microeconomics</td>
<td></td>
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<tr>
<td>SSE104 Introduction to Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>SSP101 U.S. Power and Politics</td>
<td></td>
</tr>
<tr>
<td>SSP250 Political Ideas and Ideologies</td>
<td></td>
</tr>
<tr>
<td>SSS100 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>SSY101 General Psychology</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

- SSH101 Themes in American History to 1865
- SSH102 Themes in American History since 1865
- SSH103 Western Civilization from Ancient Times to the Renaissance
- SSH104 Western Civilization from the Renaissance to Modern Times
- SSH105 World History from Ancient Times to 1500
- SSH106 World History from 1500 to the Present
- SSH110 East Asia Civilization and Societies
- SSH231 Afro-American History
- SSH232 Survey of Latin American and Caribbean History
- SSP220 Politics of Latin America and the Caribbean

### Total Credits: 60
## MUSIC OPTION

### PATHWAYS COMMON CORE: 30 CREDITS

#### A. REQUIRED CORE: 12 Credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Course Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>6</td>
<td>ENG101 English Composition I (ENA101 or ENC101 depending on placement scores)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG102 Writing through Literature</td>
</tr>
<tr>
<td><strong>Mathematical and Quantitative Reasoning</strong></td>
<td>3</td>
<td>MAT107 Mathematics and the Modern World</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAT115 College Algebra and Trigonometry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
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<tr>
<td></td>
<td></td>
<td>MAT120 Elementary Statistics</td>
</tr>
<tr>
<td><strong>Life &amp; Physical Sciences</strong></td>
<td>3</td>
<td>SCB101 Topics in Biological Sciences</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCB206 Introduction to Neuroscience</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCC101 Topics in Chemistry</td>
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<td>SCP101 Topics in Physics</td>
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<td></td>
<td>SCP105 Life in the Universe</td>
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<tr>
<td></td>
<td></td>
<td>SCP140 Topics in Astronomy</td>
</tr>
</tbody>
</table>

#### B. FLEXIBLE CORE: 18 Credits

- Select one course from each of the five flexible core categories and one additional course from any flexible core category.

**World Cultures and Global Issues**
- SSA101 Cultural Anthropology
- SSP101 US Power and Politics
- SSS100 Introduction to Sociology
- SSY101 General Psychology
- SSH101 Themes in American History to 1865
- SSH102 Themes in American History since 1865
- SSH103 Western Civilization from Ancient Times to the Renaissance
- SSH104 Western Civilization from the Renaissance to Modern Times
- SSH105 World History from Ancient Times to 1500
- SSH106 World History from 1500 to the Present
- SSH110 East Asia Civilization and Societies
- SSH231 Afro-American History
- SSH232 Survey of Latin American and Caribbean History
- SSP220 Politics of Latin America and the Caribbean

### PROGRAM CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Liberal Arts</strong></td>
<td>6</td>
</tr>
<tr>
<td>LIF101 First Year Seminar for Liberal Arts</td>
<td>3</td>
</tr>
<tr>
<td>LIB200 Humanism, Science and Technology</td>
<td>3</td>
</tr>
<tr>
<td><strong>English</strong></td>
<td>3</td>
</tr>
<tr>
<td>ENG103 Preparing and Writing the Research Paper</td>
<td>3</td>
</tr>
<tr>
<td><strong>Education and Language Acquisition</strong></td>
<td>3</td>
</tr>
<tr>
<td>ELL101 Introduction to Language</td>
<td>3</td>
</tr>
<tr>
<td><strong>Music</strong></td>
<td>15</td>
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<tr>
<td>HUM101 Introduction to Music</td>
<td>3</td>
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<tr>
<td>HUM140 Music Theory I</td>
<td>2</td>
</tr>
<tr>
<td>HUM144 Musicianship I</td>
<td>2</td>
</tr>
<tr>
<td>HUM180 Piano I</td>
<td>1</td>
</tr>
<tr>
<td>HUM181 Piano II</td>
<td>1</td>
</tr>
<tr>
<td>HUM240 Harmony and Counterpoint</td>
<td>2</td>
</tr>
<tr>
<td><strong>Social Science</strong></td>
<td>3</td>
</tr>
<tr>
<td>SSA101 Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SSP101 US Power and Politics</td>
<td></td>
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<tr>
<td>SSS100 Introduction to Sociology</td>
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<tr>
<td>SSY101 General Psychology</td>
<td></td>
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<tr>
<td>SSH101 Themes in American History to 1865</td>
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<tr>
<td>SSH103 Western Civilization from Ancient Times to the Renaissance</td>
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<tr>
<td>SSH104 Western Civilization from the Renaissance to Modern Times</td>
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<tr>
<td>SSH105 World History from Ancient Times to 1500</td>
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<tr>
<td>SSH106 World History from 1500 to the Present</td>
<td></td>
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<tr>
<td>SSH110 East Asia Civilization and Societies</td>
<td></td>
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<tr>
<td>SSH231 Afro-American History</td>
<td></td>
</tr>
<tr>
<td>SSH232 Survey of Latin American and Caribbean History</td>
<td></td>
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<tr>
<td>SSP220 Politics of Latin America and the Caribbean</td>
<td></td>
</tr>
</tbody>
</table>

### TOTAL CREDITS: 60
POLITICAL SCIENCE OPTION

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 Credits

English: 6 credits
ENG101 English Composition I* 3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one of the following courses:
MAT107 Mathematics and the Modern World 3
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry (depending on placement scores)
MAT119 Statistics with Elementary Algebra (depending on placement scores)
MAT120 Elementary Statistics

Life & Physical Sciences: 3 credits
Select one of the following courses:
SCB101 Topics in Biological Sciences 3
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 18 Credits

Select one course from each of the five flexible core categories
AND one additional course from any flexible core category.

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World

Students are advised to select one Urban Studies course or complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No e: Students can select only wo courses from any one discipline.

PROGRAM CORE: 30 CREDITS

Liberal Arts
LIF101 First Year Seminar for Liberal Arts 3
LIB200 Humanism, Science and Technology 3

English
ENG103 Preparing and Writing the Research Paper 3

Social Science: 18 credits
SSP101 U.S. Power and Politics 3
SSP200 Global Politics 3
SSP245 Law and Human Rights in America 3
SSP250 Political Ideas and Ideologies 3

Select one of the following courses:
SSN192 Practical Politics of NYC 3
SSN210 Politics of Sexuality

Select one of the following courses:
SSH101 Themes in American History to 1865 3
SSH102 Themes in American History since 1865
SSH103 Western Civilization from Ancient Times to the Renaissance
SSH104 Western Civilization from the Renaissance to Modern Times
SSH105 World History from Ancient Times to 1500
SSH106 World History from 1500 to the Present
SSA100 Introduction to Anthropology
SSA101 Cultural Anthropology
SSE103 Introduction to Microeconomics
SSSE105 Introduction to Macroeconomics
SSS100 Introduction to Sociology

Unrestricted Elective: 3 credits

TOTAL CREDITS: 60
## SECONDARY EDUCATION – TEACHER EDUCATION TRANSFER OPTION

### PATHWAYS COMMON CORE: 30 CREDITS

#### A. REQUIRED CORE: 12 Credits

**English:** 6 credits
- ENG101 English Composition I (ENA101 or ENC101 depending on placement scores) 3
- ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning:** 3 credits
- Select one of the following courses: 3
  - MAT107 Mathematics and the Modern World
  - MAT115 College Algebra and Trigonometry (MAT117 Algebra and Trigonometry depending on placement scores)
  - MAT120 Elementary Statistics (MAT119 depending on placement scores)

**Life & Physical Sciences:** 3 credits
- Select one of the following courses: 3
  - SCB101 Topics in Biological Sciences
  - SCB206 Introduction to Neuroscience
  - SCC101 Topics in Chemistry
  - SCC102 Chemistry of Photography
  - SCP101 Topics in Physics
  - SCP105 Life in the Universe
  - SCP140 Topics in Astronomy

#### B. FLEXIBLE CORE: 18 Credits

- Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

**World Cultures and Global Issues**
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

- Students are advised to select one Urban Study course to complete college requirements. To complete a degree requirement from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No e: Students can select only one course from any one discipline.

### PROGRAM CORE: 30 CREDITS

**Liberal Arts**
- LIF101 First Year Seminar for Liberal Arts 3

**Education and Language Acquisition**
- ELL101 Introduction to Language 3
- Two Modern Language courses in the same language 6

**Education Core:** 9 credits
- ELE204 Language and Literacy in Secondary Education 3
- ELN122 Foundations of American Secondary Education 3

**Social Science:** 3 credits
- SSY105 Learning and Education 3

### TOTAL CREDITS: 60

**Select one of the following concentrations:**

**Adolescent Education: English:** 9 credits
- Select two of the following courses: 6
  - ENG290 British Literature I
  - ENG291 British Literature II
  - ENG292 American Literature I
  - ENG293 American Literature II

**Adolescent Education: Math:** 9 credits
- Unrestricted elective 1
- Select two of the following courses: 8
  - MAT201 Calculus I
  - MAT202 Calculus II
  - MAT230 Introduction to Discrete Mathematical Structures

**Adolescent Education: Social Science:** 9 credits
- Select three of the following courses: 9
  - SSA101 Cultural Anthropology
  - SSA106 Anthropology of Latin America
  - SSH101 Themes in American History I
  - SSH102 Themes in American History II
  - SSH103 Western Civilization from Ancient Times to the Renaissance
  - SSH104 Western Civilization from the Renaissance to Modern Times
  - SSH105 World History from Ancient Times to 1500
  - SSH106 World History from 1500 to the present
  - SSP101 US Power and Politics
  - SSS100 Introduction to Sociology
  - SSS280 Sociology of the Family

**Adolescent Education: Spanish:** 9 credits
- Select two of the following courses: 3
  - ELS204 Latin American Civilizations
  - ELS210 Advanced Spanish Composition

- Select one of the following courses: 3
  - ELS200 Latin American Literature I
  - ELS201 Latin American Literature II

No e: Students are required to take a placement exam before registering for any ELS course.
Liberal Arts—Mathematics and Science: AS Degree

PATHWAYS COMMON CORE: 32 CREDITS

This program has a waiver of require STEM courses in the Common Core.

A. REQUIRED CORE:

   English: 6 credits
   ENG101 English Composition I 3
   (ENA101 or ENC101 depending on placement scores)
   ENG102 Writing through Literature 3

   Mathematical and Quantitative Reasoning: 3 credits
   Select one of the following courses:
   MAT115 College Algebra and Trigonometry 3
   MAT117 Algebra and Trigonometry (depending on placement scores)
   MAT119 Statistics with Elementary Algebra (depending on placement scores)
   MAT120 Elementary Statistics I

   Life & Physical Sciences: 4 credits
   Select one of the following courses:
   SCB201 Fundamentals of Biology I (STEM) 4
   SCC201 Fundamentals of Chemistry I (STEM) 4
   SCP201 Fundamentals of Physics I (STEM) 4

B. FLEXIBLE CORE: 19 Credits

   Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

   World Cultures and Global Issues
   US Experience in its Diversity
   Creative Expression
   Individual and Society
   Scientific World

   Students are advised to select one Urban Study course to complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No one course category can select only two courses from any one discipline.

PROGRAM CORE: 28 CREDITS

Liberal Arts
LMF101 First Year Seminar for LA Math/Sci 3
LIB200 Humanism, Science and Technology 3

Humanities
HUC106 Public Speaking 3

Social Science: 3 credits
Select one of the following courses:
SSA100 Introduction to Anthropology 3
SSA101 Cultural Anthropology
SSE103 Introduction to Microeconomics
SSE104 Introduction to Macroeconomics
SSP101 U.S. Power and Politics
SSP200 Global Politics

PROGRAM CORE, CONTINUED

SSS100 Introduction to Sociology
SSY101 General Psychology
SSH101 Themes in American History to 1865
SSH102 Themes in American History since 1865
SSH103 Western Civilization from Ancient Times to the Renaissance
SSH104 Western Civilization from the Renaissance to Modern Times
SSH105 World History from Ancient Times to 1500
SSH106 World History from 1500 to the Present
SSH110 East Asia Civilization and Societies
SSH231 Afro-American History
SSH232 Survey of Latin American and Caribbean History

Math/Science: 15 credits
Select four of five courses from the following:
MAT121 Elementary Statistics II 3
MAT200 Pre-Calculus (STEM) 4
MAT201 Calculus (STEM) 4
MAT202 Calculus II (STEM) 4
MAT203 Calculus III (STEM) 4
MAT204 Elementary Differential Equations 4
MAT210 Linear Algebra 3
MAT212 Linear Algebra and Vector Analysis 3
MAT221 Introduction to Probability 4
MAT231 Introduction to Discrete Math 3
SCB115 Principles of Biology 4
SCB165 Vertebrate Evolution 3
SCB201 Fundamentals of Biology I 4
SCB202 Fundamentals of Biology II 4
SCB203 Human Anatomy and Physiology I 4
SCB204 Human Anatomy and Physiology II 4
SCB208 Vertebrate Anatomy and Physiology I 2
SCB209 Vertebrate Anatomy and Physiology II 3
SCB240 Biotechnology I 2
SCB252 Fundamentals of Biotechniques 2
SCB255 Cell Biology 3
SCB260 General Microbiology 4
SCB265 Fundamentals of Ecology 4
SCC105 Introduction to Chemistry 4
SCC110 Foundations of Chemistry 4
SCC201 Fundamentals of Chemistry I 4
SCC202 Fundamentals of Chemistry II 4
SCC251 Organic Chemistry I 5
SCC252 Organic Chemistry II 5
SCG120 Introduction to Oceanography 3
SCG150 Introduction to Geographic Information Systems 3
SCI204 Research in Natural Sciences 3
SCP160 Foundations of the Physical Sciences 3
SCP201 Fundamentals of Physics I 4
SCP202 Fundamentals of Physics II 4
SCP231 General Physics I 4
SCP232 General Physics II 4

Unrestricted Elective: 1 credit

TOTAL CREDITS: 60
Liberal Arts—Actuary Science

The Liberal Arts AS degree provides an opportunity for students seeking exam preparation for the professional actuarial examinations given by the Society of Actuaries and the Casualty Actuarial Society.

Students who wish to undertake this preparation should use the following courses to meet the Mathematics, Engineering and Computer Science/Natural Sciences portion of the program (24 credits):

Math, Engineering & Computer Science/ Natural Sciences: 24 credits:

Choose 1 laboratory science course:
- College Algebra & Trigonometry MAT115*
- Pre-calculus MAT200 (if needed)**
- Calculus I MAT201
- Calculus II MAT202
- Calculus III MAT203***

Choose 4 – 11 credits from the following:
- Elementary Statistics I MAT120
- Elementary Statistics II MAT121
- Linear Algebra MAT210
- Introduction to Probability MAT221
- Introduction to Discrete Mathematical Structures MAT230
- Elementary Differential Equations MAT204
- Engineering Laboratory I MAE101
- Engineering Laboratory II MAE103
- General Physics I SCP231
- General Physics II SCP232
- General Chemistry I SCC201
- General Chemistry II SCC202

* MAT115 is a prerequisite for MAT200.
** MAT200 is a prerequisite for MAT201.
*** MAT203 is prerequisite for MAT221

Music Recording Technology

The Music Recording Technology Program, offered through the Humanities Department, leads to an Associate in Applied Science (AAS) degree and provides career preparation as an audio technician. This is a jointly registered, dual-admission program designed for students interested in recording industry careers. Students will be provided with theoretical knowledge of the field, in-depth audio recording technical knowledge and practical hands-on skills.

This innovative program integrates computer, electronic, musical, and hands-on recording studio training to prepare students for jobs in the industry. The AAS degree program in Music Recording Technology addresses the critical need for skilled technicians on local and national levels in the evolving and dynamically expanding digital industry.

Music Recording Technology students will earn 33 credits at LaGuardia and 27 credits at the Institute of Audio Research (IAR) in Manhattan. Those students completing the required courses at LaGuardia or at IAR will have a seamless transition to either institution. This joint/dual program offers increased educational opportunities for students and provides alternative career/educational options. There also will be opportunities for students who wish to continue their studies at four-year colleges.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 145.
Music Recording Technology: AAS Degree

PATHWAYS COMMON CORE: 21 CREDITS

A. REQUIRED CORE: 12 credits

**English:** 6 credits
ENG101 English Composition I (ENA101 or ENC101 depending on placement scores) 3
ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning:** 3 credits
Select one of the following courses:
MAT107 Mathematics and the Modern World 3
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry (depending on placement scores)
MAT119 Statistics with Elementary Algebra (depending on placement scores)
MAT120 Elementary Statistics

**Life & Physical Sciences:** 3 credits
Select one of the following courses:
SCB101 Topics in Biological Sciences 3
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 9 Credits
Select three courses from the flexible core categories below.
No: Only one course may be selected from a category and select courses from three different disciplines.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Additional Common Core courses will be required when transferring to a CUNY College. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selection list on the program website.

PROGRAM CORE: 39 CREDITS

**Humanities**
New Student Seminar
HUM180 Piano I 1
HUM140 Music Theory I 2
HUM146 Music Audio Recording 3
HUM210 American Music 3

**Business and Technology**
BTM101 Introduction to Business 3

**Music Technology**
Select nine of the following courses: 27
HUX101 Audio Electronics
HUX102 Basics of Digital Audio
HUX103 Ear Training and Acoustics
HUX104 The Business of Music
HUX105 Audio Processing and Storage
HUX106 Digital Music Production
HUX107 Microphones, Amplifiers and Speakers
HUX108 Mixing Music I
HUX109 MIDI Applications
HUX110 Recording Workshop
HUX111 Mixing Music 2
HUX112 Post-Production Audio
HUX114 Industry Practicum

TOTAL CREDITS: 60

For the New Media Technology/Digital Media Arts Certificate, see pages 37 & 38
The Nursing Program (RN), coordinated by the Health Sciences Department, offers the Associate in Applied Science (AAS) degree. Graduates are eligible to sit for the National Council of State Boards Licensure Examination (NCLEX-RN).

The RN Program is accredited by the NYS Board of Regents (www.op.nyed.gov) and fully accredited by the ACEN. Information regarding the accreditation status of the RN Program may be attained by contacting ACEN3343 Peachtree Road N.E. Suite 850, Atlanta, GA 30326 (www.acenursing.org).

The Program prepares graduates to function as registered nurses in structured care settings, using the nursing process to provide direct care to clients. The curriculum contains a balance of nursing and general education courses to enable the graduate to provide direct client care within the legal and ethical framework of nursing. Classroom instruction for nursing courses is complemented by supplemental learning through online collaborative activities, and clinical courses also contain laboratory experiences and clinical practice in area health care facilities.

Special progression standards exist for nursing majors. Students admitted into this major are considered to be in the pre-clinical phase.

To be admitted into the clinical phase, students must meet specific criteria which are described in the Nursing Student Handbook. The Nursing Handbook is available once students begin the clinical phase of the Program.

The RN Program website provides general information and educates the student regarding admission criteria and how the ranking score which determines clinical phase admission is calculated. The Registered Nursing Student Handbook provides information on grading criteria, retention, and graduation rates as well as a summary of graduates’ employment status. To be considered for the Program, a student must register for candidacy (4399) in either the Fall I or Spring I session immediately preceding the semester they plan to begin clinical courses.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills (page 189) and/or ESL courses. The particular courses that students must successfully complete are determined by their scores on the College placement test.

Descriptions of courses in this major begin on page 130.

Additional program information can be found on page 220.

**This program has a waiver of specific courses to complete Common Core requirements.

**

**Additional Common Core courses will be required when transferring to a CUNY College.

**

**


Registered Nursing:
AAS Degree

PATHWAYS COMMON CORE: 23 CREDITS

This program has a waiver of specific courses to complete Common Core requirements.

A. REQUIRED CORE: 13 credits

English: 6 credits
ENG101 English Composition I* (ENA101 or ENC101 depending on placement scores) 3
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one course from the following:
MAT119 Statistics with Elementary Algebra (depending on placement scores) 3
MAT120 Elementary Statistics

Life and Physical Sciences: 4 credits
SCB203 Human Anatomy and Physiology I (STEM)* 4

B. FLEXIBLE CORE: 10 credits**

To complete the degree requirements from the Flexible Core, students are advised to select the following:

Scientific World
SCC210 Foundations of Chemistry* 4
SSY101 General Psychology* 3

Individual and Society
SSY240 Developmental Psychology 3

** Additional Common Core courses will be required when transferring to a CUNY College.

**

**

PROGRAM CORE: 43 CREDITS

Health Sciences
HSF090 First Year Seminar for Health Sciences 0
SCN195 Community Health 2

Natural Sciences
SCB204 Human Anatomy and Physiology II 4
SCB260 General Microbiology 4

Nursing
SCL103 Concepts in Pharmacology and Nutrition 3
SCR110 Fundamentals of Nursing 6
SCR200 Psychiatric Mental Health Nursing 4
SCR210 Medical Surgical Nursing I 5
SCR270 Parent-Child Health Nursing 4
SCR280 Leadership and Delegation 2
SCR290 Medical Surgical Nursing II 9

*Key courses for candidacy

TOTAL CREDITS: 66
No es:

> Nursing courses are only offered in the day during 12-week sessions with the exception of the PN to RN Pathway coursework.

> All students must file for Registered Nursing Candidacy (Intent to Nursing) in order to progress to the clinical phase. To be considered for the RN program, students must register for the candidacy in either the Fall I or Spring I session immediately preceding the semester they plan to begin the clinical courses.

> Beginning in the fall 2009 semester all students applying for candidacy in the Nursing Program must provide documentation to show proof of residency in New York State. Students in the clinical phase may also be required to undergo a Criminal Background Check as part of placement at hospitals or other off campus clinical training sites. For full details on this requirement, see page 208.

> No grade lower than C- will be accepted for any required Math and Science course. Science courses in which students earn a C-, D+, D, or D- may be repeated with permission of the Chairperson of the Natural Sciences Department. When Key Courses with grades of C-, D+, D, D-, or F are repeated, both course grades will be calculated in the Key Course average.

> A minimum grade of C+ is required in a clinical course that is repeated.

> Students should consult with a counselor and/or faculty advisor in the selection of elective courses to ensure maximum transferability of credits taken. Clinical courses are only transferable to senior colleges upon successful completion of the AAS degree.

**PN to Nursing Pathway:** Licensed practical nurses may be eligible for an advanced standing pathway, which may exempt them from the first year of required designated nursing courses. The Pathway requires PN licensure and successfully passing the NYS Coalition for Educational Mobility’s Transition Course before applying for the 3-credit Bridge Course which begins the Pathway track into the final year of the Nursing Program leading to the AAS degree. Further information on Pathway articulation and admission is available in the Registered Nursing Student Handbook.
The Occupational Therapy Assistant Program is coordinated by the Health Sciences Department, and offers a course of study leading to the Associate in Applied Science (AAS) degree. Graduates work with occupational therapists providing services to persons with needs caused by physical conditions and injuries, developmental delay, aging, mental health concerns, cognitive limitations, or other impairments.

Such services include: using developmental and play activities to help the child who has growth problems and learning disabilities develop the skills to manage school and social learning; assisting the elderly and others with diminished physical endurance to perform essential activities of daily living and achieve maximum independence; working with patients who have lost a limb to use a new prosthesis and master normal skills; designing and fabricating hand splints and instructing the client in their use; helping depressed clients feel more positively toward their environment through the use of productive activity; and making it easier for the socially withdrawn person to interact with others through the use of planned group experiences.

Special progression standards exist for occupational therapy assistant majors. Students begin with taking courses in the pre-clinical phase of the major. To progress to the clinical phase, students must meet specific criteria described in the program’s admissions handbook. These handbooks are available in the Program office, E300. Admission requirements can also be found on the program website. Achievement of the progression standards does not guarantee advancement to the clinical phase. Currently, approximately 20 students are admitted to the clinical phase of the program each semester (Fall I and Spring I).

The Occupational Therapy Assistant Program offers day, evening, and part-time options. All Occupational Therapy Assistant students must pursue fieldwork within 18 months of completing the respective academic theory course. The entire program must be completed in a timely fashion as content changes with current practice. After completion of the introductory occupational therapy course, all remaining occupational therapy courses, including fieldwork should be completed within four years.

Graduates are eligible to sit for the national certification exam for the occupational therapy assistant, administered by the National Board for Certification in Occupational Therapy (NBCOT). Credentialing requirements for New York State licensure include graduation from a program and passing the NBCOT examination. A felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination or attain state licensure.

The Occupational Therapy Assistant Program is accredited by ACOTE, The Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, 4720 Montgomery Ln Ste 200 Bethesda, MD 20814-3449. AOTA’s telephone number is (301) 652-6611 or (800) SAY-AOTA (729-2682).

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 132.

Additional program information can be found on page 220.
Occupational Therapy Assistant: AAS Degree

PATHWAYS COMMON CORE: 26 CREDITS

This program has a waiver of specific courses, so complete Common Core requirements.

A. REQUIRED CORE: 13 credits

English: 6 credits
ENG101 English Composition I* 3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one course from the following: 3
- MAT 115 College Algebra and Trigonometry* - 3
- MAT 117 Algebra and Trigonometry* (depending on placement scores)
- MAT 119 Statistics with Elementary Algebra* - 3
- MAT 120 Elementary Statistics* (depending on placement scores)

Life and Physical Sciences: 4 credits
SCB203 Human Anatomy and Physiology I (STEM)* 4

B. FLEXIBLE CORE: 13 credits**

To complete the degree requirements from the Flexible Core, students are advised to select the following:

Scientific World
SCB204 Human Anatomy and Physiology II (STEM) 4
SSY101 General Psychology* 3
SSY230 Abnormal Psychology 3
SSY240 Developmental Psychology 3

**Additional Common Core courses will be required when transferring to a CUNY College.

PROGRAM CORE: 37 CREDITS

Health Sciences: 2 credits
HSF090 First Year Seminar for Health Sciences 0
SCN195 Community Health* 2

Occupational Therapy Assistant Core: 35 credits
SCO101 Introduction to Occupational Therapy 3
SCO110 Legal and Ethical Aspects of Occupational Therapy 2
SCO114 Documentation in Occupational Therapy 2
SCO175 Clinical Reasoning in Occupational Therapy 2
SCO200 Physical Aspects of Human Growth & Development 2
SCO204 Occupational Therapy Process: Psychosocial Dysfunction and Geriatric Conditions 4
SCO205 Occupational Therapy Process: Physical and Developmental Disabilities 4
SCO214 Occupational Therapy Skills and Functional Activities I 3
SCO215 Occupational Therapy Skills and Functional Activities II 3
SCO230 Functional Pathology 3
SCO284 Occupational Therapy Clerkship for Psychosocial/Dysfunction and Geriatric Conditions 1.5
SCO285 Occupational Therapy Clerkship for Physical/Developmental Disabilities 1.5
SCO294 Occupational Therapy Fieldwork in Psychosocial Dysfunction and Geriatric Conditions 2
SCO295 Occupational Therapy Fieldwork in Physical and Developmental Disabilities 2

**Key courses for candidacy

TOTAL CREDITS: 63
Students who complete the Paralegal Studies curriculum, which is administered by the Business and Technology Department, will receive the Associate in Applied Science (AAS) degree. The program, which is approved by the American Bar Association, has the following goals:

1. To give students the necessary substantive knowledge and practical skills to qualify them for entry-level positions as paralegals
2. To prepare students for successful transfer to a four-year college
3. To give students the foundation for lifelong career and personal growth

Paralegals, or legal assistants, assist lawyers in a wide range of activities. Lawyers remain responsible for paralegals’ work (in general, paralegals may not themselves give legal advice, set fees or represent clients in court). In the litigation area, for example, paralegals may interview prospective clients, research the law, prepare court documents and assist at trials. Paralegals who work on corporate legal matters may prepare contracts, maintain records and ensure that a corporation has complied with various statutes and government regulations. Paralegals who work on real estate matters may prepare mortgage agreements and other documents relating to real estate transactions and assist at closings.

While the major employers of paralegals are private law firms, there are also job opportunities with government agencies, including district attorneys’ offices, and a variety of other employers. In addition, the curriculum may be highly suitable for students who contemplate pursuing other law-related careers, such as careers in law enforcement, or who seek a broad, practical knowledge of the law for its own sake.

The Paralegal Studies curriculum has been carefully designed to balance paralegal specialty and related courses with a broad liberal arts background. Students gain valuable practical experience through internships. Paralegal specialty courses are taught by experienced attorneys.

Students can transfer up to 30 credits earned at other, accredited colleges and universities. These transfer credits can include up to nine credits for paralegal specialty courses. To be transferable, paralegal specialty courses taken elsewhere must be part of a degree program and must be comparable to courses in the LaGuardia curriculum.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 97.
Paralegal Studies:
AAS Degree

PATHWAYS COMMON CORE: 21 CREDITS

This program has a waiver of specific courses to complete Common Core requirements.

A. REQUIRED CORE: 12 credits

**English:** 6 credits

- ENG101 English Composition I 3
- (ENA101 or ENC101 depending on placement scores)
- ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning:** 3 credits

Select one of the following:
- MAT115 College Algebra and Trigonometry
- MAT117 Algebra and Trigonometry (depending on placement scores)
- MAT119 Statistics with Elementary Algebra (depending on placement scores)
- MAT120 Elementary Statistics

**Life and Physical Science:** 3 credits

Select one of the following:
- SCB101 Topics in Biological Sciences
- SCB206 Introduction to Neuroscience
- SCC101 Topics in Chemistry
- SCP101 Topics in Physics
- SCP105 Life in the Universe
- SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 9 credits

Select three courses from the categories below. Note: Only one course may be selected from a category and select courses from three different disciplines.

World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Students are advised to select an Urban Studies course to fulfill a college requirement. Additional Common Core courses will be required when transferring to a CUNY college. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website.

TOTAL CREDITS: 60

PROGRAM CORE: 39 CREDITS

**Business and Technology**
- BTF101 First Year Seminar for Business 2
- BTA111 Principles of Accounting I 4
- BTM101 Introduction to Business 3
- BTM110 Business Law 3
- BTL211 People, Work and Organizations 3
- BTI201 Business Internship 2

**Paralegal Studies**
- BTP101 Introduction to Paralegal Studies 3
- BTP204 Legal Research and Writing 3
- BTP205 Civil Litigation 3
- BTP211 Computer Applications for Paralegals 3

Select three of the following:
- BTP 201 Administrative Law
- BTP202 Wills, Trusts and Estates
- BTP203 Family Law
- BTP207 Real Estate Law for Paralegals
- BTP208 The Law of Business Enterprises for Paralegals
- BTP209 Criminal Law and Procedure
- BTP212 Immigration Law
- BTP213 Bankruptcy Law

Unrestricted elective: 1 credit

TOTAL CREDITS: 60

PARAMEDIC

Not accepting new students at this time.
The Philosophy Program, administered by the Humanities Department, leads to an Associate in Arts (AA) degree. Philosophy majors study the core areas of philosophy and acquire the critical thinking abilities that are essential for success in all careers and areas of life. Philosophy, which means in the Greek love of wisdom, expands horizons, develops the mind and acquaints students with the great literature and intellectual heritage fundamental to our culture and society. It is a discipline that seeks to answer life’s most important questions: Who am I? Am I free? What is real? What is true? What is my moral compass? Does God exist? How can I create a meaningful life? In addition to helping students excel in all areas of academic study, philosophy has also been called the ultimate transferable work skill because it helps students develop the abilities that employers in all fields value: how to think critically, reason effectively, communicate clearly, solve problems intelligently, make enlightened decisions and construct thoughtful, well-grounded beliefs. The Times of London writes of philosophy in America: The great virtue of philosophy is that it teaches not only what to think, but more importantly how to think. The employability rate for philosophers is 98.9%, impressive by any standard.

LaGuardia’s nationally recognized and respected program in Philosophy and Critical Thinking offers a wide variety of courses that will prepare students for successful transfer to 4-year institutions and provides a firm foundation from which graduates may launch accomplished careers in law, business, medicine, journalism, publishing, computer science, education, history psychology, and many other areas. This is especially the case for students who go on for graduate or professional degrees, whether in philosophy or another field. In addition to taking courses, philosophy students at LaGuardia are encouraged to participate in extra-curricular opportunities such as the very energetic Philosophy Club that meets every week to discuss provocative issues, view and discuss films and take field trips. Students are also invited to submit articles to the LaGuardia philosophy journal, The Gadfly. The Philosophy Program is also actively involved in the Honors Program, which provides additional academic opportunities for qualifying students.

The Philosophy area provides a supportive and stimulating environment for its students, creating a community of thinkers dedicated to the pursuit of reflective understanding. The faculty work closely with philosophy majors as mentors to help them plan their curriculum, guide their career explorations, apply for scholarships, and transfer successfully to the right 4-year college. Many students take double majors when they transfer — one in philosophy and another in, say, psychology or English — with a view to careers as psychologists or creative writers. Philosophy easily combines in this way with work in many professional fields. The Philosophy Program’s curriculum has been developed in close consultation with Brooklyn College, and students may transfer there as juniors to the Philosophy Major. In addition, articulations with other branches of CUNY including Queens, Lehman, and Baruch ensure that all philosophy courses are fully transferable.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major can be found beginning on page 148.

* HUP275 is a Capstone course that has a prerequisite of three Philosophy courses including HUP101. The student must also have completed 45 credits.
## Philosophy: AA Degree

### PATHWAYS COMMON CORE: 30 CREDITS

**A. REQUIRED CORE: 12 credits**

**English: 6 credits**
- ENG101 English Composition I 3
- (ENA101 or ENC101 depending on placement scores) 3
- ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning: 3 credits**
- Select one course from the following: 3
  - MAT107 Mathematics and the Modern World
  - MAT115 College Algebra and Trigonometry
  - MAT117 Algebra and Trigonometry (depending on placement scores)
  - MAT119 Statistics with Elementary Algebra (depending on placement scores)
  - MAT120 Elementary Statistics

**Life and Physical Sciences: 3 credits**
- Select one of the following courses: 3
  - SCB101 Topics in Biological Sciences
  - SCB206 Introduction to Neuroscience
  - SCC101 Topics in Chemistry
  - SCP101 Topics in Physics
  - SCP105 Life in the Universe
  - SCP140 Topics in Astronomy

### PROGRAM CORE: 30 CREDITS

**Liberal Arts**
- LIF101 First Year Seminar for Liberal Arts 3

**Humanities**
- Select one of the following courses:
  - HUN190 Ethics and Society
  - HUN192 Art and Society
  - HUN195 Art in New York

**Social Science**
- Select one of the following courses:
  - SSH103 Western Civilization from Ancient Times to the Renaissance
  - SSH104 Western Civilization from the Renaissance to Modern Times
  - SSH105 World History from Ancient Times to 1500
  - SSH106 World History from 1500 to the Present

**Philosophy**
- HUP101 Introduction to Philosophy 3
- HUP275 Landmarks in Philosophy 3
- Select five of the following courses: 15
  - HUP102 Critical Thinking
  - HUP104 Ethics and Moral Issues
  - HUP105 Philosophy of Religion
  - HUP106 Social & Political Philosophy
  - HUP107 Philosophy of Art
  - HUP108 Environmental Ethics
  - HUP109 Philosophy of Law
  - HUP112 Logic and Philosophy
  - HUP114 Medical Ethics
  - HUP116 Latin American Philosophy
  - HUP117 Medieval and Renaissance Philosophy
  - HUP118 African Philosophy
  - HUP121 Eastern Philosophical Traditions
  - HUP122 Philosophy of Gender and Sex
  - HUP215 Philosophy of Love
  - HUP221 Philosophy of Mind

### TOTAL CREDITS: 60
PHYSICAL THERAPIST ASSISTANT

www.laguardia.edu/pta

The Physical Therapist Assistant Program, administered by the Health Sciences Department, leads to an Associate in Applied Science (AAS) degree and its graduates are eligible for certification by the New York State Education Department, Office of the Professions. The program is approved by the New York State Education Department and accredited by the Commission on Accreditation of Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314, website: www.apta.org. Passing the National Certification Exam after graduation is required.

Graduates work under the supervision of a licensed physical therapist in a variety of settings including: outpatient practices, hospitals, nursing homes, rehabilitation centers, schools and sports centers. Physical Therapist Assistants carry out the plan of care established by the Physical Therapist, and work with patients who have neuromuscular, musculoskeletal, cardiopulmonary and integumentary impairments.

The interventions performed by the Physical Therapist Assistant include therapeutic exercise, aerobic conditioning, gait training, pain management, heat and cold treatment, massage, electrotherapy and muscle re-education. The program consists of classroom and laboratory courses at the College, as well as clinical affiliations in different physical therapy settings.

Special progression standards exist for physical therapist assistant majors. Students take courses in the pre-clinical phase of the major. To progress to the clinical phase, specific criteria must be met as described in the program’s admissions handbook. The handbook is available from the Program Director in Room E300 and from the Admissions Office. Achievement of the progression standards does not guarantee advancement to the clinical phase of the program. Completion of 50 volunteer hours in physical therapy with a letter from the physical therapy supervisor is required prior to entering the clinical phase.

Students who need additional skill development as determined by the College placement exam will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Additional program information can be found on page 220.

Descriptions of courses in this major begin on page 134.

Physical Therapist Assistant: AAS Degree

PATHWAYS COMMON CORE: 26 CREDITS

This program has a waiver of specific courses to complete Common Core requirements.

A. REQUIRED CORE: 13 credits

English: 6 credits
ENG101 English Composition I* 3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one course from the following: 3
MAT115 College Algebra and Trigonometry*
MAT117 Algebra and Trigonometry* (depending on placement scores)
MAT119 Statistics with Elementary Algebra*
MAT120 Elementary Statistics* (depending on placement scores)

Life and Physical Sciences: 4 credits
SCB203 Human Anatomy and Physiology I (STEM)* 4

B. FLEXIBLE CORE: 13 credits**

To complete the degree requirements from the Flexible Core, students are advised to select the following:

SCB204 Human Anatomy and Physiology II 4
SSY101 General Psychology* 3
SSY204 Developmental Psychology 3

Select one of the following courses: 3
HUP102 Critical Thinking
HUC106 Oral Communication

** Additional Common Core courses will be required when transferring to a CUNY College.
The Practical Nursing Program, coordinated by the Health Sciences Department, offers a certificate in Practical Nursing. Graduates will be eligible to sit for the National Council of State Boards Licensure Examination for Practical Nurse (NCLEX-PN).

This certificate program is approved by the NYS Education Department (www.op.nyed.gov) and divided into two phases, pre-clinical and clinical. The Program is a 48-credit, certificate-bearing program organized to be rigorous but supportive of adult learners from diverse cultural and literacy experiences. It provides students with the opportunity to complete the course of study in 10 months after completion of the pre-clinical phase. The program prepares men and women to function as practical nurses, performing tasks and responsibilities within the framework of case finding, health teaching, health counseling, and the provision of supportive and restorative care in health care facilities that offer chronic and acute care services within the scope of the Nursing Practice Act. The classroom instruction for each nursing course is complemented by campus laboratory experience and clinical practice in area health care facilities. Teaching-learning strategies employed to help ensure students’ learning include ePortfolio, collaborative group activities, and writing intensive assignments. The curriculum is designed for students with a high school diploma or GED. Students must move through a prescribed curriculum and may not take courses out of sequence.

Students admitted into this program are considered to be in the phase, students must meet specific criteria. Admission to the clinical phase of the program is competitive due to the program’s limited capacity; therefore students should strive for a high GPA in all required courses. Achievement of the progression standards does not guarantee advancement to the clinical phase.

Beginning the Fall 2009 semester all students applying for candidacy in the Nursing Program must provide documentation to show proof of residency in New York State. For full details on this requirement, see page 220.

Students in the clinical phase may be required to undergo a Criminal Background Check as part of placement at hospitals or other off-campus clinical training sites. In addition, the Office of the Professions of the New York State Education Department requires that a criminal background check be conducted prior to granting a license to practice nursing. For additional information on this requirement, see page 220.
Completion of the recommended general education and clinical courses during the clinical phase of the Practical Nursing Certificate Program is comprised of two 12-week and one 6-week semester. The clinical experiences in area institutions which supplement classroom theory are provided in a variety of practice settings, including hospitals, nursing homes and community health care facilities.

Additional program information can be found on page 220.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. The particular courses that students must successfully complete are determined by their scores on the College placement test (see Notes).

**PN to Nursing Pathway:** Licensed practical nurses may be eligible for an advanced standing pathway, which may exempt them from the first year of required designated nursing courses. The Pathway requires PN licensure and successfully passing the NYS Coalition for Educational Mobility’s Transition Course before applying for the 3-credit Bridge Course which begins the Pathway track into the final year of the Nursing Program leading to the AAS degree. Further information on Pathway articulation and admission is available in the Registered Nursing Student Handbook.

**No es:**

/> Beginning in the fall 2009 semester all students applying for candidacy in the Nursing Program must provide documentation to show proof of residency in New York State. Students in the clinical phase may also be required to undergo a Criminal Background Check as part of placement at hospitals or other off campus clinical training sites. For full details on this requirement, see page 208.

/> No grade lower than C- will be accepted for any required Math and Science course. Science courses in which students earn a C-, D+, D, or D- may be repeated with permission of the Chairperson of the Natural Sciences Department. When Key Courses with grades of C-, D+, D, D-, or F are repeated, both course grades will be calculated in the Key Course average.

/> All students must file for Candidacy in order to progress to the clinical phase. To be considered, students must register for Candidacy (4199) in either the Fall I or Spring I session immediately proceeding the semester they plan to begin clinical courses.

/> Students will be dropped from the program for grades less than C. In addition, a requirement for completion is satisfactory evaluation in each clinical area. Students must earn a passing grade on a comprehensive Nursing Exam and a grade of 100 on a final dosage calculation examination.
The Social Science Department administers the Psychology Program, which leads to an Associate in Arts (AA) degree. Students selecting this degree will be prepared to transfer into psychology programs at four-year institutions with a solid foundation in the discipline. In particular, York College will accept all the credits of our AA degree towards their Bachelor of Arts (BA) degree program in psychology. Students who receive their AA in psychology will be exposed to an extraordinarily diverse field. The Program has full time faculty members specializing in many diverse fields, among them, clinical, developmental, social and experimental psychology; they teach, advise and mentor the students majoring in psychology.

Psychology is a science that is deeply rooted in both basic and applied research; it also has many clinical and educational applications. From delivering mental health care to individuals, to providing consultation to various communities and organizations, psychology as a discipline revolves around understanding mechanisms that shape behavior and mental processes. This understanding can be used towards improving human relations. Psychology students develop valuable skills ranging from collecting, analyzing, and interpreting data, to working with statistics and experimental designs. Psychology offers rigorous training in the scientific method, exposure to thorough, objective research, the analysis of data, and the reporting of findings with clarity that prepares psychology majors for future careers. These skills can be used in a wide variety of work settings, from human services to business, criminal justice, health and recreation. The study of psychology, with its emphasis on evidence-based critical thinking, helps one become a better student of other subjects. The additional insight gained from psychology courses and a required internship helps students in general, whether they are functioning as parents at home, managers on the job, or professionals in other fields, to understand their own motivation and behavior in a more comprehensive way.

Studying psychology will help develop people skills (communicating with and relating to individuals from diverse backgrounds), analytical skills (for example, figuring out why a certain problem occurs and how to minimize or eliminate it), writing skills (for example, writing a logically developed report), and research skills (for example, using statistics, tables, and graphs to analyze problems and communicate relevant findings). Many of these skills are aspects of LaGuardia Community College’s core competencies and studying psychology will enhance students’ proficiencies in these areas.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Description of courses in this major begin on page 181.
**Psychology: AA Degree**

**PATHWAYS COMMON CORE: 30 CREDITS**

**A. REQUIRED CORE: 12 credits**

**English: 6 credits**
- ENG101 English Composition I 3
  (ENA101 or ENC101 depending on placement scores)
- ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning: 3 credits**
- Select one of the following courses:
  - MAT107 Mathematics and the Modern World 3
  - MAT115 College Algebra and Trigonometry
  - MAT117 Algebra and Trigonometry (depending on placement scores)
  - MAT119 Statistics with Elementary Algebra (depending on placement scores)
  - MAT120 Elementary Statistics

**Life & Physical Sciences: 3 credits**
- Select one of the following courses:
  - SCB101 Topics in Biological Sciences 3
  - SCB206 Introduction to Neuroscience
  - SCC101 Topics in Chemistry
  - SCP101 Topics in Physics
  - SCP105 Life in the Universe
  - SCP140 Topics in Astronomy

**B. FLEXIBLE CORE: 18 credits**
- Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

- World Cultures and Global Issues
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No one course can be selected only from any one discipline.

**PROGRAM CORE: 30 CREDITS**

**Psychology: 21 credits**
- SYF101 First Year Seminar for Psychology 3
- SSY101 General Psychology 3
- SSY230 Abnormal Psychology 3
- SSY240 Developmental Psychology I 3
- SSY250 Social Psychology 3
- Select one course from the following:
  - SSY200 Personality
  - SSY205 Psychology of Women
  - SSY241 Developmental Psychology II

**Social Science: 6 credits**
- Select one course from the following:
  - SSA101 Cultural Anthropology
  - SSS100 Introduction to Sociology
  - Select one course from the following:
    - SSH101 Themes in American History to 1865 3
    - SSH102 Themes in American History since 1865
    - SSH103 Western Civilization from Ancient Times to the Renaissance
    - SSH104 Western Civilization from the Renaissance to Modern Times
    - SSH105 World History from Ancient Times to 1500
    - SSH106 World History from 1500 to the Present
    - SSH107 East Asia Civilization and Societies
    - SSH231 African-American History
    - SSH232 Survey of Latin American and Caribbean History

**Unrestricted electives: 3 credits:**

**TOTAL CREDITS:** 60
RADIOLOGIC TECHNOLOGY

www.laguardia.edu/rt

The Radiology Technology Program is coordinated by the Health Sciences Department, and provides students with the educational and clinical training leading to an Associate in Applied Science (AAS) degree. The program has been approved by the New York State Department of Education.

The Radiology Technology program prepares students to enter the workforce as entry-level radiographers. Upon successful completion of state license/certification, graduates will be able to work in a variety of health care settings. Hospitals, nursing homes, outpatient radiography centers and research facilities are just a few examples where radiographers are employed.

Students applying to the Radiology Technology major are admitted to the pre-clinical phase of the program. To progress to the clinical phase of the program, students must apply for candidacy.

Candidacy Requirements:
> Complete four key courses (ENG101, SCB203, MAT115, and SSN187)
> Minimum GPA in key courses 2.50
> No grade lower than a C- will be accepted for science courses (SCB203/SCB204).

Students who are accepted for candidacy and advised by the Radiology Technology program director will progress to the clinical phase of the program. Students who are not accepted for candidacy will not be eligible to register for courses in the clinical phase of the Radiology Technology program.

For further information or to pick up a Radiology Technology Program Student Information packet, come to room E300.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 136.

Additional program information can be found on page 220.

*** The Prerequisite for SSN187 is waived for students in the Radiologic Technology program.

Radiology Technology: AAS Degree

PATHWAYS COMMON CORE: 20 CREDITS

A. REQUIRED CORE: 13 credits

| English: 6 credits | ENG101 English Composition I* 3  
|                   | (ENA101 or ENC101 depending on placement scores) 3  
|                   | ENG102 Writing through Literature 3 |

| Mathematical and Quantitative Reasoning: 3 credits | MAT115 College Algebra and Trigonometry 3  
|                                                     | MAT117 Algebra and Trigonometry (depending on placement scores) |

| Life and Physical Sciences: 4 credits | SCB203 Human Anatomy and Physiology I 4 |

B. FLEXIBLE CORE: 7 credits**

*To complete the degree requirements, students are advised to select courses from the recommended course selections listed on the program website.*

** Additional Common Core courses will be required when transferring to a CUNY College.

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website.

PROGRAM CORE: 47 CREDITS

Health Science
HSF090 First Year Seminar for Health Sciences 0

Radiologic Technology
SCX101 Radiologic Technology I 3
SCX102 Radiologic Technology II 3
SCX105 Radiologic Procedures I/w Lab 4
SCX106 Radiologic Procedures II/w Lab 4
SCX109 Clinical I 2
SCX110 Principles of Radiologic Exposure I 3
SCX111 Principles of Radiologic Exposure II 3
SCX119 Clinical II 2
SCX129 Clinical III 2
SCX201 Radiologic Technology III 3
SCX205 Radiologic Technology Procedures III with Lab 4
SCX209 Clinical IV 2
SCX219 Clinical V 2
SCX229 Clinical VI 2
SCX240 Cross Sectional Anatomy 1
SCX245 Pathology and Fracture Radiography 2
SCX250 Imaging Modalities I 3
SCX260 Film Evaluation and Critique 2

*Pre-clinical course

TOTAL CREDITS: 67
The Spanish-English Translation major, housed in the Department of Education and Language Acquisition, is fully articulated with Hunter College. Students can earn an Associate of Arts (AA) degree from LaGuardia Community College and continue working toward a Bachelor of Arts (BA) degree in Spanish-English and English-Spanish Translation at Hunter College. This program is designed to allow LaGuardia students to earn 60 credits in core academic foundations which meet all lower division requirements for candidates for the Spanish Major’s concentration in Spanish-English/English-Spanish Translation and Interpretation at Hunter College. Students are encouraged to complete the BA degree since it opens many career opportunities in translation and interpretation in the court system, hospitals, state and municipal agencies, corporations and nonprofit organizations.

Students enrolled in the Spanish-English Translation program will be able to complete internships at a range of government agencies and nonprofit organizations available through the Cooperative Education Department at LaGuardia. These work experiences enable the student to bridge the gap between classroom theory and practical applications in the field of translation and interpretation providing valuable experience for choosing a career and subsequent full-time employment.

Students entering the Spanish-English Translation Program will not receive credit for prior knowledge of Spanish.

Students who need additional skill development in reading, writing, mathematics, and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 115.
Spanish-English Translation:
AA Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 Credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Course Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6 credits</td>
<td>ENG101 English Composition I (ENA101 or ENC101 depending on placement scores)</td>
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<tr>
<td></td>
<td></td>
<td>ENG102 Writing through Literature</td>
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<tr>
<td>Mathematical and Quantitative Reasoning: 3 credits</td>
<td></td>
<td>MAT107 Mathematics and the Modern World</td>
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<td>MAT115 College Algebra and Trigonometry</td>
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<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
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<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
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<td>MAT120 Elementary Statistics</td>
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<tr>
<td>Life &amp; Physical Sciences: 3 credits</td>
<td></td>
<td>SCB101 Topics in Biological Sciences</td>
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<td></td>
<td></td>
<td>SCB206 Introduction to Neuroscience</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCC101 Topics in Chemistry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCP101 Topics in Physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCP105 Life in the Universe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCP140 Topics in Astronomy</td>
</tr>
</tbody>
</table>

B. FLEXIBLE CORE: 18 credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Course Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Select one course from each of the five flexible core categories AND one additional course from any flexible core category.</td>
</tr>
</tbody>
</table>

| World Cultures and Global Issues                  | 3       |                                                                                |
| US Experience in its Diversity                   | 3       |                                                                                |
| Creative Expression                              | 3       |                                                                                |
| Individual and Society                           | 3       |                                                                                |
| Scientific World                                 | 3       |                                                                                |

Students are advised to select one Urban Study course to complete college requirements. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No: Students can select only two courses from any one discipline.

PROGRAM CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Course Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counseling</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>New Student Seminar</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HUC109 Argumentation &amp; Debate</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Business and Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BTC100 Introduction to Computers and their Applications</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SSA101 Cultural Anthropology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SSA120 People &amp; Cultures of the Caribbean</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SSP101 U.S. Policies &amp; Power</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Education &amp; Language Acquisition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELS200 Latin American Literature I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELS209 Spanish Grammar and Usage</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELS204 Latin American Civilizations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELS210 Advanced Spanish Composition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG/ELL110 English Grammar and Syntax</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELN101 Introduction to Bilingualism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ELN194 The Puerto Rican Community Minority Group Experience</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Unrestricted electives: 3 credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Course Details</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

TOTAL CREDITS: 60
The Theatre Program, offered through the Humanities Department, leads to an Associate of Science (AS) degree and provides students with skills and knowledge necessary to pursue a wide spectrum of careers in the theatre and entertainment industry.

Students develop performance-based skills through a combination of classroom training and theatre experience. Participation in productions — classic and modern plays, musicals, developmental readings, and student productions — will be a part of every students’ program.

Students also gain a foundation in academic theatre. Studies include the ability to analyze, critically assess and write about theatre through rigorous courses in theatre history, dramatic analysis and the contemporary New York theatre scene.

This balanced approach to the AS in Theatre degree provides students with a strong foundation in which to pursue a career in performance or production (acting, directing, design, stage managing, producing) or a scholarly career (critic, dramaturge, historian, teacher, playwright). Students transferring to a senior college will have the option of pursuing a Bachelor of Arts, Bachelor of Science, or a Bachelor of Fine Arts degree.

Through internships with New York City based theatre organizations, students gain vital knowledge and hands-on experience in the production and creation of theatre. Additionally, through a partnership with the LaGuardia Performing Arts Center (LPAC), students have the opportunity to observe and work with top theatre and entertainment professionals in the creation of new works.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. Scores on the College placement test determine the particular courses students must successfully complete. For more information on basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 146.

---

### Theatre Program: AS Degree

**PATHWAYS COMMON CORE: 30 CREDITS**

**A. REQUIRED CORE: 12 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English: 6 credits</strong></td>
<td></td>
</tr>
<tr>
<td>ENG101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>(ENA101 or ENC101 depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
<td>3</td>
</tr>
<tr>
<td><strong>Mathematical and Quantitative Reasoning: 3 credits</strong></td>
<td></td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td>3</td>
</tr>
<tr>
<td>MAT107 Mathematics and the Modern World</td>
<td></td>
</tr>
<tr>
<td>MAT115 College Algebra and Trigonometry</td>
<td></td>
</tr>
<tr>
<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td><strong>Life &amp; Physical Sciences: 3 credits</strong></td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td></td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>SCB206 Introduction to Neuroscience</td>
<td></td>
</tr>
<tr>
<td>SCC101 Topics in Chemistry</td>
<td></td>
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<tr>
<td>SCP101 Topics in Physics</td>
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<tr>
<td>SCP105 Life in the Universe</td>
<td></td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
<td></td>
</tr>
</tbody>
</table>

**B. FLEXIBLE CORE: 18 credits**

Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Cultures and Global Issues</td>
<td></td>
</tr>
<tr>
<td>US Experience in its Diversity</td>
<td></td>
</tr>
<tr>
<td>Creative Expression</td>
<td></td>
</tr>
<tr>
<td>Individual and Society</td>
<td></td>
</tr>
<tr>
<td>Scientific World</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>18</td>
</tr>
</tbody>
</table>

Students are advised to select one Urban Study course to complete college requirements. To complete the degree, students must complete courses from the Flexible Core. Students are advised to select courses from the recommended course selections listed on the program website. No one course can be selected from any one discipline.

**PROGRAM CORE: 30 CREDITS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUT101 Art of Theatre</td>
<td>3</td>
</tr>
<tr>
<td>HUT110 Acting I</td>
<td>3</td>
</tr>
<tr>
<td>HUT111 Acting II</td>
<td>3</td>
</tr>
<tr>
<td>HUT113 Script Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HUT122 Introduction to Design for the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>HUT195 Theatre Production Workshop</td>
<td>3</td>
</tr>
<tr>
<td>HUT210 Theatre: Pre-history to Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>HUT250 Voice and Movement for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>HUT299 Experiential Learning in Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM201 American Musical Theatre Experience</td>
<td>3</td>
</tr>
<tr>
<td>HUM202 American Musical Theatre Experience II</td>
<td></td>
</tr>
<tr>
<td>HUT175 Directing for the Stage</td>
<td></td>
</tr>
<tr>
<td>HUT220 Contemporary Latina/o Theatre</td>
<td></td>
</tr>
<tr>
<td>HUT230 Acting III</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 60
The Therapeutic Recreation Program, coordinated by the Health Sciences Department, offers a course of study that leads to an Associate of Science (AS) degree. The Therapeutic Recreation program will also allow students to continue their studies in the program at Lehman College where they will complete a Bachelor in Science degree in Therapeutic Recreation or Recreation Education.

Therapeutic Recreation, also known as Recreation Therapy, is an occupation that utilizes recreation and other activity-based interventions (techniques/programs) to address the assessed needs of individuals with illnesses and/or disabling conditions, as a means to psychological and physical health, recovery and well-being.

LaGuardia’s Therapeutic Recreation Program curricula is designed to equip students with the necessary skills and competencies required to function efficiently as Recreation Therapists, Recreation Leaders/Assistants in the field of Therapeutic Recreation. The TR program is a non-candidacy program that may attract students who wish to pursue a career in the Allied Health field without the candidacy requirements of other Health Sciences programs. Students must have a minimum GPA of a 2.5 and have earned a grade of at least a C (75) in all required program courses AND all College-Level Course Pre-requisites at LaGuardia Community College in order to be considered for transfer.

Therapeutic Recreation (TR) is one of the fastest growing health-related professions. According to the U.S. Bureau of Labor Statistics, employment in recreation therapy positions is projected to grow faster than the average, with a more focused increase in the care needs of the aging population.

An increase in opportunities is also expected with school-aged children with disabilities.

*After graduation, students would be able to obtain employment in roles such as Recreation Assistants or Recreation Leaders*

The TR program includes successful completion of a 60 hour supervised clinical internship that prepares students for careers working with individuals with developmental, mental, and physical disabilities in various healthcare settings, such as hospitals, nursing homes, correctional facilities, wilderness programs, community centers, schools, assisted living facilities and senior centers.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully compete are determined by their scores on the College placement tests. For more information on basic skills requirements, see page 189.

To view course descriptions go to www.laguardia.edu/therapeutic-recreation

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**Therapeutic Recreation AS Degree**

**PATHWAYS COMMON CORE: 32 CREDITS**

**A. REQUIRED CORE: 13 credits**

- **English:** 6 credits
  - ENG101 English Composition I
  - (ENA101 or ENC101 depending on placement scores)
  - ENG102 Writing through Literature

- **Mathematical and Quantitative Reasoning:** 3 credits
  - MAT120 Elementary Statistics

- **Life & Physical Sciences:** 4 credits
  - SCB203 Human Anatomy & Physiology

**B. FLEXIBLE CORE: 19 Credits**

- Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

  - World Cultures and Global Issues
  - US Experience in its Diversity
  - Creative Expression
  - Individual and Society
  - Scientific World

- No e: Students can select only two courses from any one discipline.

**PROGRAM CORE: 28 CREDITS**

- **Health Sciences**
  - HSF090 First Year Seminar for Health Sciences
  - SCN195 Community Health

- **Humanities**
  - HUP102 Critical Thinking

- **Social Science**
  - SSY101 General Psychology
  - SSY230 Abnormal Psychology
  - SSY241 Developmental Psychology II

- **Therapeutic Recreation**
  - HTR100 Introduction to Recreation & Leisure
  - HTR101 Introduction to Therapeutic Recreation
  - HTR102 Legal/ Ethical Issues in Therapeutic Recreation
  - HTR200 Therapeutic Recreation and Long Term Care
  - HTR201 Therapeutic Recreation Fieldwork

**TOTAL CREDITS:** 60
The Travel, Tourism and Hospitality Management curriculum, a course of study leading to the Associate in Applied Science (AAS) degree, is administered by the Business and Technology Department and co-sponsored by the Social Science Department. The program is designed to prepare students either for career-entry positions in the travel and tourism industry or for transfer to tourism management programs at senior colleges.

The travel and tourism industry is very diverse. It encompasses airline, bus, rail and ship travel; hospitality enterprises (hotels, motels, resorts); tour packaging; retail and wholesale travel agencies; car rental; etc. Each of these areas has employment needs on several levels: sales, market research and development, packaging and advertising, customer service, operations and general management.

The curriculum is designed to meet the needs of the industry, combining liberal arts courses, business courses, specialized courses in travel and tourism and the experience of an internship. The Cooperative Education internship gives students experience as travel industry employees, enabling them to utilize the knowledge learned in the classroom and to learn the realities of working at their chosen profession. The travel operations courses in the program are taught by experienced professionals.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test.

For more information on the basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 98.
Travel, Tourism & Hospitality Management: AAS Degree

PATHWAYS COMMON CORE: 21 CREDITS

A. REQUIRED CORE: 12 credits

   English: 6 credits
   ENG101 English Composition I 3
   (ENA101 or ENC101 depending on placement scores)
   ENG102 Writing through Literature 3

   Mathematical and Quantitative Reasoning: 3 credits
   Select one of the following courses:
   MAT107 Mathematics and the Modern World 3
   MAT115 College Algebra and Trigonometry
   MAT117 Algebra and Trigonometry
   (depending on placement scores)
   MAT119 Statistics with Elementary Algebra
   (depending on placement scores)
   MAT120 Elementary Statistics

   Life & Physical Sciences: 3 credits
   Select one of the following courses:
   SCB101 Topics in Biological Sciences 3
   SCB206 Introduction to Neuroscience
   SCC101 Topics in Chemistry
   SCP101 Topics in Physics
   SCP105 Life in the Universe
   SCP140 Topics in Astronomy

B. FLEXIBLE CORE: 9 Credits

Select three courses from the flexible core categories below.
No: Only one course may be selected from a category and select courses from three different disciplines.

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World

Additional Common Core courses will be required when transferring to a CUNY College. To complete the degree requirements, students are advised to select courses from the recommended course selections listed on the program website.

PROGRAM CORE: 39 CREDITS

Business and Technology
   BTF101 Freshman Seminar for Business 2
   BTA111 Principles of Accounting I 4
   BTC200 Introduction to Information Systems 3
   BTT111 Introduction to Business 3
   BTN211 People, Work and Organizations 3
   BTI120 Business Internship 2

Travel, Tourism & Hospitality Management Core
   BTT101 Introduction to Travel, Tourism and Hospitality Management 3
   BTT202 World Travel and Tourism Destinations 3
   BTT203 Travel, Tourism and Hospitality Technology Systems 3
   BTN212 Customer Service and Sales 3
   BTN211 Travel, Tourism and Hospitality Marketing 3

Unrestricted electives: 1 credit

TOTAL CREDITS: 60
The Veterinary Technology Program provides for both classroom and clinical training in the areas of small and large animal care and laboratory animal science. It is coordinated by the Health Sciences Department and leads to an Associate in Applied Science (AAS) degree. The program meets requirements set forth by the New York State Department of Education, is accredited by the American Veterinary Medical Association and will prepare the graduate for the licensing exam to be a Veterinary Technician.

Veterinary Technicians work under the supervision of a veterinarian in a wide variety of tasks. These include such services as: collection of specimens and performance of tests on blood and urine; preparation of animal patients and equipment for surgery; routine nursing of medical and surgical patients; exposure and development of radiographs; supervision of subordinate hospital personnel; and routine business management procedures.

Special progression standards exist for veterinary technology majors. Students admitted into this program since Fall 1999 are considered to be in the pre-clinical phase of the major. To progress to the clinical phase, students must meet specific criteria which are described in the Veterinary Technology Student Handbook. This handbook is available from the Admissions Office and from the Program Director. Achievement of the progression standards does not guarantee advancement to the clinical phase. Only a small number of students are admitted to the clinical phase due to program capacity. Students admitted to the clinical phase will be required to assist in care and handling of the program's animals as part of course requirements.

Students who need additional skill development in reading, writing, mathematics and communication will be required to take basic skills and/or ESL courses. These courses are not listed in the required course section of the curriculum. The particular courses students must successfully complete are determined by their scores on the College placement test. For more information on the basic skills requirements, see page 189.

Please check with the Vet Tech Office for the latest information on specific health requirements for admission to the clinical phase of the program. Descriptions of courses are found on page 139.

Additional program information can be found on page 220.

No es: The Veterinary Technology courses required for this program are offered in the day. Students should consult with program faculty in the selection of elective courses to ensure maximum transferability.

**Veterinary Technology: AAS Degree**

**PATHWAYS COMMON CORE: 19 CREDITS**

**A. REQUIRED CORE: 10 credits**

- **English: 6 credits**
  - ENG101 English Composition I* 3
  - (ENA101 or ENC101 depending on placement scores) 3
- **Life and Physical Sciences: 4 credits**
  - SCC110 Foundations of Chemistry (STEM)* 4

**B. FLEXIBLE CORE: 9 credits**

To complete the degree requirements, students are advised to select one of the following:

- **U.S. Experience in its Diversity**
  - SSN187 Urban Sociology 3
- **Individual and Society**
  - HUP102 Critical Thinking 3
- **Scientific World**
  - SCB209 Vertebrate Anatomy and Physiology II 3

**PROGRAM CORE: 46 CREDITS**

<table>
<thead>
<tr>
<th>Health Sciences</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>HSF090 First Year Seminar for Health Sciences</td>
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</table>

<table>
<thead>
<tr>
<th>Mathematics, Engineering and Computer Science</th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT106 Medical Math Dosages*</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Natural Science</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SCB208 Vertebrate Anatomy and Physiology I</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCB260 General Microbiology</td>
<td>4</td>
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</table>

<table>
<thead>
<tr>
<th>Veterinary Technology</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SCV101 Introduction to Veterinary Technology</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV150 Principles of Animal Control</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV201 Research Animal Technology</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV210 Veterinary Nursing I</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV211 Veterinary Nursing II</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV212 Veterinary Radiography</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>SCV213 Veterinary Laboratory Techniques</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV214 Farm Animal Nursing</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV220 Principles of Exotic Animal Medical Care</td>
<td>2</td>
<td></td>
<td></td>
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<tr>
<td>SCV231 Vet Tech Internship I</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCV234 Vet Tech Internship II</td>
<td>2</td>
<td></td>
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</tr>
<tr>
<td>SCV247 Veterinary Pathophysiology</td>
<td>2</td>
<td></td>
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</tr>
<tr>
<td>SCV262 Pharmacology &amp; Toxicology</td>
<td>3</td>
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</tr>
</tbody>
</table>

*Key courses for candidacy*

**TOTAL CREDITS:** 65
The Writing and Literature Program, administered by the English Department, leads to an Associate in Arts (AA) degree. Based on a foundational curriculum which introduces students to literary traditions, the program is organized around the English Department’s elective courses in literature, survey courses, as well as courses in creative and expository writing. The program also draws on LaGuardia’s strong curriculum in the Humanities and Social Sciences for relevant cross-listed courses. The Writing and Literature Program is designed to help students understand the historical and contemporary importance of writing and literature in diverse cultural contexts.

The program also provides students with the opportunity for exciting extra-curricular activities. Students in the Writing and Literature Program are encouraged to participate in departmental and college-wide activities such as student and faculty poetry and fiction readings. Publications, such as Literary LaGuardia and The Bridge, offer students relevant experience with literary and journalistic writing. The Writing and Literature Program offers a path that may lead to careers as diverse as teaching, editing, publishing, journalism, public relations, medicine or law, among other possibilities.

The Writing and Literature Program’s curriculum has been developed in close consultation with Queens College and is designed to articulate fully with the English major at Queens. The credits in Writing and Literature offered at LaGuardia will all transfer to the English major and core writing requirements at Queens College. Liberal Arts courses offered at LaGuardia will fulfill Queens College General Education requirements. Students who major in the Writing and Literature Program at LaGuardia may transfer as juniors to the English Major at Queens College. For more information on the basic skills requirements, see page 189.

Descriptions of courses in this major begin on page 118.

See next page for curriculum.
## Writing and Literature: AA Degree

### PATHWAYS COMMON CORE: 30 CREDITS

#### A. REQUIRED CORE: 12 Credits

**English:** 6 credits  
ENG101 English Composition I 3  
(ENA101 or ENC101 depending on placement scores)  
ENG102 Writing through Literature 3  

**Mathematical and Quantitative Reasoning:** 3 credits  
Select one of the following courses: 3  
MAT107 Mathematics and the Modern World  
MAT115 College Algebra and Trigonometry  
MAT117 Algebra and Trigonometry (depending on placement scores)  
MAT119 Statistics with Elementary Algebra (depending on placement scores)  
MAT120 Elementary Statistics  

**Life & Physical Sciences:** 3 credits  
Select one of the following courses: 3  
SCB101 Topics in Biological Sciences  
SCB206 Introduction to Neuroscience  
SCC101 Topics in Chemistry  
SCP101 Topics in Physics  
SCP105 Life in the Universe  
SCP140 Topics in Astronomy  

#### B. FLEXIBLE CORE: 18 Credits  
18  
Select one course from each of the five flexible core categories AND one additional course from any flexible core category.  

- World Cultures and Global Issues  
- US Experience in its Diversity  
- Creative Expression  
- Individual and Society  
- Scientific World  

Students are advised to select one Urban Study course or complete a college requirement. To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No e: Students can select only two courses from any one discipline.

### PROGRAM CORE: 30 CREDITS

#### Counseling
- New Student Seminar 0  

#### Humanities
- HUA167 Introduction to African Art 3  

#### Social Science
- SSY101 General Psychology 3  

#### Unrestricted electives: 3 credits

**English**
- ENG270 Introduction to Poetry 3  
- ENG289 Introduction to Literary Study* 3  
- ENG295 World Literatures Written in English 3  

Select two of the following courses: 6  
- ENG290 British Literature Survey I  
- ENG291 British Literature Survey II  
- ENG292 American Literature Survey I  
- ENG293 American Literature Survey II  
- ENG294 Classical Literature**  

Select two of the following courses: 6  
- ENG203 Work, Labor and Business in American Literature  
- ENG204 Asian American Literature  
- ENG205 The Bible as Literature  
- ENG/ELL110 English Grammar and Syntax  
- ENG211 Journalism  
- ENG220 Seminar in Teaching Writing  
- ENG225 Afro-American Literature  
- ENG235 Cultural Identity in American Literature  
- ENG245 Images of Women in American Literature  
- ENG247 The Woman Writer  
- ENG248 Latino/Latina Writing in the U.S.  
- ENG252 Sexuality in Literature  
- ENG256 Humor in Literature  
- ENG260 The Novel  
- ENG261 Literature of Difference  
- ENG265 The Drama  
- ENG266 Shakespeare  
- ENG268 The Immigrant Experience in American Literature  
- ENG269 Contemporary Black American Fiction  
- ENG271 Poetry Workshop  
- ENG/HUC272 Literature and Film  
- ENG274 Creative Non-Fiction Workshop  
- ENG275 The Great Writer  
- ENG276 Fiction Workshop  
- ENG280 Children’s Literature  
- ENG288 Internship

**TOTAL CREDITS:** 60

*Requirement for transfer to John Jay College; not articulated for Queens College.

**Articulated only for John Jay College
Creative Writing Track:
AA Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 Credits

English: 6 credits
ENG101 English Composition I 3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature 3

Mathematical and Quantitative Reasoning: 3 credits
Select one of the following courses:
MAT107 Mathematics and the Modern World 3
MAT115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry (depending on placement scores)
MAT119 Statistics with Elementary Algebra (depending on placement scores)
MAT120 Elementary Statistics

Life & Physical Sciences: 3 credits
Select one of the following courses:
SCB101 Topics in Biological Sciences 3
SCB206 Introduction to Neuroscience
SCC101 Topics in Chemistry
SCP101 Topics in Physics
SCP105 Life in the Universe
SCP140 Topics in Astronomy

B. FLEXIBLE CORE 18 Credits 18
Select one course from each of the five flexible core categories AND one additional course from any flexible core category.

World Cultures and Global Issues -
US Experience in its Diversity -
Creative Expression -
Individual and Society -
Scientific World -

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. No elective courses from any one discipline.

PROGRAM CORE: 30 CREDITS

Counseling
New Student Seminar 0

Humanities
HUA101 Introduction to Art 3

Unrestricted electives: 3 credits 3

* A second Creative Writing or Genre course may be substituted for an elective course in the major.

TOTAL CREDITS: 60