ACADEMIC PROGRAMS

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 of Arts (AA), the Associate of Science (AS), and the Associate of Applied Science (AAS). In addition, the College offers five Certificate programs. The programs of study include:

ASSOCIATE OF ARTS

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

ASSOCIATE OF SCIENCE

- Accounting
- Biology
- Business Administration
- Healthcare Management Option
- Civil Engineering
- Computer Science
- Criminal Justice
- Electrical Engineering
- Environmental Science
- Fine Arts
  - Design Studies Option
- Liberal Arts: Mathematics and Science
- Mechanical Engineering
  - Earth System Science and Environmental Engineering Option
- Music Performance
- Physical Sciences
- Public and Community Health
- Theatre
- Therapeutic Recreation

ASSOCIATE OF APPLIED SCIENCE

- Commercial Photography
  - Fine Arts Photography Option
- Computer Technology
- Energy Technician
- Industrial Design
- Music Recording Technology
- Network Administration and Information Security
- New Media Technology
- Nursing
- Nutrition and Culinary Management
- Occupational Therapy Assistant
- Paralegal Studies
- Physical Therapist Assistant
- Programming and Software Development
- Radiologic Technology
- Travel, Tourism and Hospitality Management
- Veterinary Technology

CERTIFICATE PROGRAMS

- Commercial Photography
- Digital Media Arts
- Network and Information Security
- Paralegal Studies
- Practical Nursing
ACCOUNTING

http://www.laguardia.edu/accounting

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 CUNY colleges. 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, and individuals who need advice on investments or taxes. 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. Exciting, well-paid career options exist in finance, entertainment, sports, criminal investigations, the food and fashion industry, international trade, retail and forensic accounting.

Accounting AS Degree

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 3</td>
</tr>
<tr>
<td>(ENA101 or ENC101 depending on placement scores)</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 course from the following: 3</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>MAT120 Elementary Statistics</td>
</tr>
<tr>
<td>(MAT119 Statistics with Elementary Algebra depending on placement scores)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Life and Physical Sciences: 3 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following: 3</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>SCC102 Chemistry of Photography</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.

Note: Student can select only two courses from any one discipline.

<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 advised to select one Urban Study course to complete 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.

PROGRAM CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>Business and Technology: 28 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTF101 First Year Seminar for Business 2</td>
</tr>
<tr>
<td>BTA111 Principles of Accounting I 3</td>
</tr>
<tr>
<td>BTA112 Principles of Accounting II 3</td>
</tr>
<tr>
<td>BTA201 Intermediate Accounting I 3</td>
</tr>
<tr>
<td>BTA202 Intermediate Accounting II 3</td>
</tr>
<tr>
<td>BTC200 Introduction to Information Systems 3</td>
</tr>
<tr>
<td>BTI121 People, Work &amp; Organizations 3</td>
</tr>
<tr>
<td>BTI201 Business Internship 2</td>
</tr>
<tr>
<td>BTM101 Introduction to Business 3</td>
</tr>
<tr>
<td>BTM110 Business Law I 3</td>
</tr>
<tr>
<td>Unrestricted Elective 2</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 60
The Biology Program, offered by the Natural Sciences Department, leads to an Associate in Science (AS) Degree. In addition, students will be able to transfer to Senior CUNY colleges.

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 will 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. 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. 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.

### Biology AS Degree

#### PATHWAYS COMMON CORE: 33 CREDITS

**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

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

**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.

- 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 requirement.

Students are advised to take SCC201/SCC202 as the scientific world flexible core and the additional flexible core as the courses are pre-requisites for SCC251 and SCB255. Note: The scientific world and additional flexible core courses are 4 credits each to complete the 20 credit flexible core requirement.

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: 27 CREDITS

- NSF101 First Year Seminar for Natural Sciences 2

**Science: 21 credits**
- SCB255 Cell Biology 4
- SCB252 Fundamentals of Biotechniques 3
- SCB202 General Biology II 4
- SCC251 Organic Chemistry I 5
- SCC252 Organic Chemistry II 5

- Unrestricted Elective 4

**TOTAL CREDITS:** 60
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. 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.

### Business Administration AS Degree

**PATHWAYS COMMON CORE: 30 CREDITS**

<table>
<thead>
<tr>
<th>A. REQUIRED CORE: 12 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English: 6 credits</strong></td>
</tr>
<tr>
<td>ENG101 English Composition I 3</td>
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<tr>
<td>(ENA101 or ENC101 depending on placement scores) 3</td>
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<tr>
<td>ENG102 Writing through Literature 3</td>
</tr>
<tr>
<td><strong>Mathematical and Quantitative Reasoning: 3 credits</strong></td>
</tr>
<tr>
<td>MAT107 Mathematics and the Modern World 3</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>MAT120 Elementary Statistics</td>
</tr>
<tr>
<td>(MAT119 Statistics with Elementary Algebra depending on placement scores)</td>
</tr>
<tr>
<td><strong>Life &amp; Physical Sciences: 3 credits</strong></td>
</tr>
<tr>
<td>Select one course from the following: 3</td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
</tr>
<tr>
<td>SCB206 Introduction to Neuroscience</td>
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<tr>
<td>SCP105 Life in the Universe</td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
</tr>
<tr>
<td><strong>B. FLEXIBLE CORE: 18 credits</strong> 18</td>
</tr>
<tr>
<td>Select one course from each of the five flexible core categories AND one additional course from any flexible core category.</td>
</tr>
<tr>
<td><em>Note: Student can select only two courses from any one discipline.</em></td>
</tr>
<tr>
<td>World Cultures and Global Issues</td>
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</tbody>
</table>

Students are advised to select one Urban Study course to complete 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.
## PROGRAM CORE: 30 CREDITS

*Select one option:

### A. BUSINESS and TECHNOLOGY (28 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTF101</td>
<td>First Year Seminar for Business</td>
<td>2</td>
</tr>
<tr>
<td>BTA111</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BTA112</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BTC200</td>
<td>Introduction to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>BTI121</td>
<td>People, Work &amp; Organizations</td>
<td>3*</td>
</tr>
<tr>
<td>BTI201</td>
<td>Business Internship</td>
<td>2*</td>
</tr>
<tr>
<td>BTM101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BTM103</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BTM104</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BTM110</td>
<td>Business Law I</td>
<td>3</td>
</tr>
</tbody>
</table>

### B. HEALTHCARE MANAGEMENT (28 Credits)

<table>
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<tr>
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</tr>
</thead>
<tbody>
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<td>BTA111</td>
<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>BTA112</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BTM 103</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BTM110</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BTO125</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BTO170</td>
<td>Electronic Health Records</td>
<td>3</td>
</tr>
<tr>
<td>BTO270</td>
<td>Health Insurance: Billing &amp; Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>BTO280</td>
<td>U.S. Healthcare Administration &amp; Delivery</td>
<td>3</td>
</tr>
<tr>
<td>SCN195</td>
<td>Community Health</td>
<td>2</td>
</tr>
</tbody>
</table>

### C. AVIATION MANAGEMENT

Closed for admission

### Unrestricted Elective: 2 credits

### TOTAL CREDITS:

60

*With permission of the Department Chair, students may substitute BTM251 & BTM254 for BTI121 & BTI201.
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

<table>
<thead>
<tr>
<th>English: 6 credits</th>
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</thead>
<tbody>
<tr>
<td>ENG101 English Composition I</td>
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<td>ENG102 Writing through Literature</td>
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<table>
<thead>
<tr>
<th>Mathematical and Quantitative Reasoning: 3 credits</th>
</tr>
</thead>
<tbody>
<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>
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<tr>
<td>(MAT117 Algebra and Trigonometry depending on placement scores)</td>
</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
</tr>
<tr>
<td>(MAT119 Statistics with Elementary Algebra depending on placement scores)</td>
</tr>
</tbody>
</table>

B. FLEXIBLE CORE: 9 Credits*

To complete the degree requirements from the Flexible Core, students are advised to select three courses from the five Flexible Core categories. Note: Only one course can be selected from any one 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

PROGRAM CORE: 39 CREDITS

<table>
<thead>
<tr>
<th>Commercial Photography: 27 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA130 Beginning Photography</td>
</tr>
<tr>
<td>HUA131 Digital Photography I</td>
</tr>
<tr>
<td>HUA231 Digital Photography II</td>
</tr>
<tr>
<td>HUA230 Intermediate Photography</td>
</tr>
<tr>
<td>HUA145 Studio Lighting I</td>
</tr>
<tr>
<td>HUA245 Studio Lighting II</td>
</tr>
<tr>
<td>HUA234 Color Photography</td>
</tr>
<tr>
<td>HUA275 Commercial Photography Workshop</td>
</tr>
<tr>
<td>HUA280 Commercial Photography Seminar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Humanities : 12 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA202 History of Photography</td>
</tr>
<tr>
<td>HUN191 Photojournalism</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select two of the following: 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA155 The View Camera</td>
</tr>
<tr>
<td>HUA238 Alternative Photography</td>
</tr>
<tr>
<td>HUA291 Experiential Learning in Photography</td>
</tr>
<tr>
<td>HUC240 Video Production Workshop</td>
</tr>
</tbody>
</table>

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.

Commercial Photography Certificate

Commercial Photography: 24 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA130 Beginning Photography</td>
<td>3</td>
</tr>
<tr>
<td>HUA131 Digital Photography I</td>
<td>3</td>
</tr>
<tr>
<td>HUA145 Studio Lighting I</td>
<td>3</td>
</tr>
<tr>
<td>HUA230 Intermediate Photography</td>
<td>3</td>
</tr>
<tr>
<td>HUA231 Digital Photography II</td>
<td>3</td>
</tr>
<tr>
<td>HUA 234 Color Photography</td>
<td>3</td>
</tr>
<tr>
<td>HUA245 Studio Lighting II</td>
<td>3</td>
</tr>
</tbody>
</table>

Humanities: 3 credits

Select one of the following courses: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA155 The View Camera</td>
<td>3</td>
</tr>
<tr>
<td>HUA192 Art and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Fine Arts Photography

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA103 Beginning Drawing</td>
<td>3</td>
</tr>
<tr>
<td>HUA125 Computer Art I</td>
<td>3</td>
</tr>
<tr>
<td>HUA130 Beginning Photography</td>
<td>3</td>
</tr>
<tr>
<td>HUA155 The View Camera</td>
<td>3</td>
</tr>
<tr>
<td>HUA230 Intermediate Photography</td>
<td>3</td>
</tr>
<tr>
<td>HUA234 Color Photography</td>
<td>3</td>
</tr>
<tr>
<td>HUA238 Alternative Photography: The Manipulated Image</td>
<td>3</td>
</tr>
<tr>
<td>HUC240 Video Production Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>

Unrestricted Electives: 3 credits

TOTAL CREDITS: 24

Counseling

New Student Seminar 0

Humanities: 9 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA202 History of Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following: 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUA104 Introduction to Design</td>
<td>3</td>
</tr>
<tr>
<td>HUA115 Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>HUA126 Computer Art II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUN191 Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>HUN192 Art and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Unrestricted Electives: 3 credits

TOTAL CREDITS: 60
COMMUNICATION STUDIES

www.laguardia.edu/communication-studies

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.
Communication Studies:  
AA 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>
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<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 course from the following:</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>
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<td></td>
</tr>
<tr>
<td><strong>Life &amp; Physical Sciences: 3 credits</strong></td>
<td></td>
</tr>
<tr>
<td>Select one course from the following</td>
<td>3</td>
</tr>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
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<tr>
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<td>SCC101 Topics in Chemistry</td>
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<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. 

| Concentration Area: 6 credits (select one)       |       |
| PUBLIC RELATIONS                                 | 3      |
| HUC141 Public Relations                          |         |
| Select one of the following courses:             | 3      |
| HUC142 Public Relations Writing                  |         |
| HUC143 Public Relations Campaigns                |         |

| SPEECH PATHOLOGY                                 | 6      |
| Select two of the following courses:             |         |
| HUC/ELL114 Normal Language Development           |         |
| HUC115 Phonetics                                 |         |
| HUC116 Survey of Speech, Language and Hearing Disorders | |

| MASS COMMUNICATION                               | 3      |
| HUC120 Mass Media and their Evolution            |         |
| HUC130 Mass Communication and Society            |         |

| ORGANIZATIONAL COMMUNICATION                      | 3      |
| HUC112 Small Group Communication                  |         |
| HUC151 Organizational Communication               |         |

| PUBLIC ADDRESS                                    | 3      |
| HUC109 Argumentation and Debate                   |         |
| HUC136 Persuasion                                 |         |

**Unrestricted Electives: 3 credits**  

OR  
HUC220 Experiential Learning in Communication Studies  
(Optional with permission of the Program Director)  

**PROGRAM CORE: 30 CREDITS**  

| Communications Required: 15 credits               |       |
| HUC101 Introduction to Communication Studies      | 3      |
| HUC106 Public Speaking                            | 3      |
| HUC111 Interpersonal Communication                | 3      |
| HUN180 Intercultural Communication (Urban Study)  | 3      |
| HUC230 Communication Theory (Capstone Project)    | 3      |

| Communication Electives: 6 credits                |       |
| Select two of the following courses               |         |
| HUC104 Voice and Diction                          |         |
| HUC108 Professional Communication                 |         |
| 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                     |         |

Note: Students can also select courses from concentration areas as Communication electives.  

**TOTAL CREDITS:**  

60
COMPUTER PROGRAMS

www.la Guardia.edu/majors

Computer Science:
The major in Computer Science is appropriate for those students interested in mathematics and/or computer science who plan to transfer to a 4-year institution for further study in computer science. Graduating students will be prepared for careers as programmers for business and/or scientific applications.

Computer Technology:
This major offers courses in analog and digital electronics, circuit analysis, programming, hardware interconnection, and computer architecture. The variety of courses foster immediate technical skills and theoretical foundations for working in the growing field of computer engineering technology as field engineers, bench technicians, and computerized system integration.

In addition, courses from this curriculum receive transfer credits from senior colleges toward a bachelor of technology degree. The latter opens a new horizon of highly paid employment in the field of computer hardware engineering, embedded systems engineering, embedded software engineering and firmware engineering.

Programming and Software Development:
The Programming and Software Development major introduces students to fundamentals of computer programming, software database, and game development. Emphasis will be placed on software development process including web and mobile application development (both iOS and Android). The program prepares students for careers as computer programmers, game developers, software developers, web developers, mobile application developers, database developers/administrators, computer systems analysts, and software quality assurance engineers and testers. The program provides students with fundamental skills to continue with their undergraduate education and also provide supplementary skills to be successful in their careers.

Network Administration and Information Security
The Network Administration and Information Security major prepares students for careers in a rapidly growing field of systems administration and information security, as security analysts, system administrators, network technicians, and IT specialists. Through our unique curriculum, which combines extensive hands-on experience and a deep understanding of the principles of data communication, operating systems and information security, students will learn the fundamental skills that allow them to pursue a Bachelor’s degree and the practical skills to administer and maintain a network and protect systems, services and data against unauthorized use.
Network Administration and Information Security: AAS Degree

PATHWAYS COMMON CORE: 27 CREDITS

A. REQUIRED CORE: 21 credits

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

   Mathematical and Quantitative Reasoning: 3 credits
   Select one course from the following:
   MAT117 Algebra and Trigonometry
   (depending on placement scores) or
   MAT115 College Algebra and Trigonometry

   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

   Note: Student can select only one courses from any one discipline. Students are advised to select one Urban Study course to complete college requirements.

PROGRAM CORE: 39 CREDITS

Business and Technology: 3 credits
BTM101 Introduction to Business 3

MEC Courses: 36 credits
CSF101 First Year Seminar for Computer Science 2
MAC108 Introduction to Programming with Python 3
MAC232 UNIX Network Operating Systems 3
MAC233 Windows Network Operating System 3
MAC245 Data Communication and Network Security 3
MAC246 Advanced Network Security 3
MAC254 Advanced UNIX and Windows 4
MAC250 Database Management Systems 3
MAC227 Introduction to Cryptography and Applications 3
MAC237 Computer Security 3
MAC247 Advanced Systems Security 3
MAC257 Digital Forensics 3

TOTAL CREDITS: 60

Network and Information Security Certificate

REQUIRED CORE: 18 credits
MAC232 OR MAC233 3
MAC245 Data Communication and Network Security 3
MAC246 Advanced Network Security 3
MAC227 Introduction to Cryptography and Applications 3
MAC237 Computer Security 3
MAC247 Advanced systems security 3

TOTAL CREDITS: 18

This program is not eligible for Financial Aid.
# Computer Science: AS Degree

## PATHWAYS COMMON CORE: 30 CREDITS

This program has a waiver to list 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  
MAT115 College Algebra & Trigonometry 3  
(MAT117 Algebra and Trigonometry depending on placement scores)

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

### 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 advised to take MAT 200 and MAT 201 as they are prerequisite courses for MAT 202.

Note: Student can select only two courses from any one discipline. Students are advised to select one Urban Study course to complete 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.

## PROGRAM CORE: 30 CREDITS

**Math, Engineering and Computer Science**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSF101 First Year Seminar for Computer Science</td>
<td>2</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>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>MAT210 Linear Algebra</td>
<td>3</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) 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) 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
    - SCC102 Chemistry of Photography
    - 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

**Note:** Student can select only one course from any one discipline. Students are advised to select one Urban Study course to complete 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.

**PROGRAM CORE: 34 CREDITS**

### Math, Engineering and Computer Science

- CSF101 First Year Seminar for Computer Science 2
- MAT200 Pre-Calculus 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

### Unrestricted Electives: 2 credits

*Students are encouraged to take Introduction to Programming with Python (MAC108) to fulfill their unrestricted elective requirement.*

**TOTAL CREDITS:** 60

Descriptions of courses in this major begin on page 161.
### 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 & Trigonometry 3
  *(MAT117 Algebra and Trigonometry depending on placement scores)*
- MAT120 Elementary Statistics
  *(MAT119 Statistics with Elementary Algebra depending on placement scores)*

*Students are advised to select MAT115 as it is pre-requisite for MAT200 which is required.

**Life and Physical Sciences: 3 credits**
- SCB101 Topics in Biological Science 3
- 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: 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

*Students are advised to select one Urban Study course to complete 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. Note: Student can select only two courses from any one discipline.*

*Students are advised to take MAT200 under Scientific World as it is pre-requisite for MAC101 which is required.*

### PROGRAM CORE: 39 CREDITS

**Math, Engineering and Computer Science**
- CSF101 First Year Seminar for Computer Science 2
- MAC101 Introduction to Computer Science 3
- MAC109 Introduction to Visual Programming 3
- MAC110 Systems Analysis and Design 3
- MAC250 Database Concepts and Programming 3
- MAC232 UNIX Network Operating Systems 3
- MAC221 App Development for iOS 3
- MAC190 Object-Oriented Programming 3
- MAC220 App Development for Android Devices 3
- MAC125 Advanced C++ Programming 3
- MAC280 Game Programming 3
- MAC172 Web Development I 3
- MAC272 Web Development II 3

**Unrestricted Elective: 1 credit**

**TOTAL CREDITS:** 60
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.

**Criminal Justice Curriculum:**

**AS Degree**

**PATHWAYS COMMON CORE: 30 CREDITS**

**A. REQUIRED CORE: 12 credits**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ENG101 English Composition I 3</td>
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<td>ENG102 Writing through Literature 3</td>
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<table>
<thead>
<tr>
<th>Mathematical and Quantitative Reasoning: 3 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one course from the following:</td>
</tr>
<tr>
<td>MAT119 Statistics with Elementary Algebra 3 (depending on placement scores)</td>
</tr>
<tr>
<td>MAT120 Elementary Statistics I (STEM) 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 of the five categories.

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

<table>
<thead>
<tr>
<th>English</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG103 Writing and Preparing the Research paper 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Science: 9 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSS100 Introduction to Sociology 3</td>
</tr>
<tr>
<td>SSP101 U.S. Power and Politics 3</td>
</tr>
</tbody>
</table>

Select one of the following courses:

| SSH101 Themes in American History to 1865 3 |
| SSH102 Themes in American History since 1865 3 |
| SSH103 Western Civilization from Ancient Times to the Renaissance 3 |
| SSH104 Western Civilization from the Renaissance to Modern Times 3 |
| SSH105 World History from Ancient Times to 1500 3 |
| SSH106 World History from 1500 to the Present 3 |
| SSH110 East Asia Civilization and Societies 3 |
| SSH231 Afro-American History 3 |
| SSH232 Survey of Latin American and Caribbean History 3 |

TOTAL CREDITS: 60
The Bilingual Child: AA Degree

PATHWAYS COMMON CORE: 30 CREDITS

A. REQUIRED CORE: 12 credits

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<td>ENG101 English Composition I</td>
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<th>Life and Physical Sciences: 3 credits</th>
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<td>3</td>
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<tr>
<td>SCP140 Topics in Astronomy</td>
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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.

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<td>US Experience in its Diversity</td>
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<td>Creative Expression</td>
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</tr>
<tr>
<td>Scientific World</td>
<td>3</td>
</tr>
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</table>

Students are advised to select one Urban Study course to complete 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. Note: Student can select only two courses from any one discipline.

PROGRAM CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>Education Core: 12 credits</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF101 First Year Seminar in Education</td>
<td>3</td>
</tr>
<tr>
<td>ELE110 Arts in Education</td>
<td>3</td>
</tr>
<tr>
<td>ELE203 Language and Literacy in Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ELN123 Foundations of Bilingual Education</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education &amp; Language Acquisition: 12 credits</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELL101 Introduction to Language</td>
<td>3</td>
</tr>
<tr>
<td>ELL220 Sociolinguistics</td>
<td>3</td>
</tr>
<tr>
<td>ELS204 Latin American Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>ELS210 Advanced Spanish Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Science: 6 credits</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSH106 World History from 1500 Present</td>
<td>3</td>
</tr>
<tr>
<td>SSY105 Learning and Education: Childhood to Adolescence</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL: 60
Civil Engineering:

The Civil Engineering Program is housed within the Mathematics, Engineering and Computer Science Department. This degree has been designed for transfer as a Dual/Joint program with the School of Engineering at City College of New York (CCNY) for the Bachelor of Engineering in Civil Engineering (BE / CE). 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.

Electrical Engineering:

The Electrical Engineering Program is housed within the Mathematics, Engineering and Computer Science Department. This degree has been designed for transfer as a Dual/Joint program with the School of Engineering at City College of New York (CCNY) for its Bachelor of Engineering in Electrical Engineering (BE / EE). 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.

Mechanical Engineering

The Mechanical Engineering Program is housed within the Mathematics, Engineering and Computer Science Department. This degree has been designed for transfer as a Dual/Joint program with the School of Engineering at City College of New York (CCNY) for its Bachelor of Engineering in Mechanical Engineering (BE / ME). 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.

Energy Technician:

The Energy Technician program is administered by the Department of Mathematics, Engineering and Computer Science (MEC). Energy technicians work in high-demand, growing fields related to computers, cellular phones, and global positioning systems (GPS) technologies.
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 3
   (ENA101 or ENC101 depending on placement scores)
   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 one course from each Flexible Core category and one additional course from Scientific World. Note: The recommended courses for Scientific World are listed.

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

Scientific World – Students are required to select MAT202 Calculus II and SCP232 General Physics II.

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

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.

Students are advised to take MAT 115 (College Algebra and Trigonometry) or MAT117 (Algebra and Trigonometry) and MAT 200 (Pre-calculus) as they are prerequisite courses for MAT 201 (Calculus I).

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
MAE101 Engineering Lab/Internship I 1
MAC102 C/C++ Programming 3
MAE209 Structure & Site Plan 3
MAE219 Thermodynamics 3

Natural Sciences: 8 credits
SCC201 General Chemistry I 4
SCC202 General Chemistry II 4

TOTAL CREDITS: 60

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)
   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 one course from each Flexible Core category and one additional course from Scientific World. Note: The recommended courses for Scientific World are listed.

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

Scientific World – Students are required to select MAT202 Calculus II and SCP232 General Physics II.

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

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.

Students are advised to take MAT 115 (College Algebra and Trigonometry) or MAT117 (Algebra and Trigonometry) and MAT 200 (Pre-calculus) as they are prerequisite courses for MAT 201 (Calculus I).

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

Natural Sciences: 4 credits
SCC201 General Chemistry I 4

TOTAL CREDITS: 60
PATHWAYS COMMON CORE: 34 CREDITS

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

A. REQUIRED CORE: 14 credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>ENG101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(ENA101 or ENC101 depending on placement scores)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG259 Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>Mathematical and Quantitative Reasoning</td>
<td>MAT201 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Life and Physical Sciences</td>
<td>SCP231 General Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

B. FLEXIBLE CORE: 20 credits

Select one course from each Flexible Core category and one additional course from Scientific World. Note: The recommended courses for Scientific World are listed.

World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World – Students are required to select MAT202 Calculus II and SCP232 General Physics II.

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

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.

Students are advised to take MAT 115 (College Algebra and Trigonometry) or MAT117 (Algebra and Trigonometry) and MAT 200 (Pre-calculus) as they are prerequisite courses for MAT 201 (Calculus I).

PROGRAM CORE: 29 CREDITS

Select one concentration from the following:

Mechanical Engineering Concentration: 29 credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math Engineering &amp; Computer Science</td>
<td>ECF090 First Year Seminar for Engineering and \nComputer Science</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>MAT203 Calculus III</td>
<td>4</td>
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<tr>
<td></td>
<td>MAT204 Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Mechanical Engineering Core: 13 credits</td>
<td>MAE101 Engineering Lab/Internship I</td>
<td>1</td>
</tr>
<tr>
<td>Mechanical Engineering Core: 13 credits</td>
<td>MAC102 C/C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>Mechanical Engineering Core: 13 credits</td>
<td>MAE213 Electrical Circuits</td>
<td>3</td>
</tr>
<tr>
<td>Mechanical Engineering Core: 13 credits</td>
<td>MAE219 Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>Natural Sciences: 8 credits</td>
<td>SCC201 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>Natural Sciences: 8 credits</td>
<td>SCC202 General Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>

Earth System Science & Environmental Engineering Concentration: 29 credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math Engineering &amp; Computer Science</td>
<td>ECF090 First Year Seminar for Engineering and Computer Science</td>
<td>0</td>
</tr>
<tr>
<td>Math Engineering &amp; Computer Science</td>
<td>MAT203 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Earth System Science &amp; Environmental Engineering Core: 15 credits</td>
<td>MAE101 Engineering Lab I/Internship I</td>
<td>1</td>
</tr>
<tr>
<td>Earth System Science &amp; Environmental Engineering Core: 15 credits</td>
<td>MAC102 C/C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>Earth System Science &amp; Environmental Engineering Core: 15 credits</td>
<td>MAE106 Earth System Science &amp; Eng.</td>
<td>4</td>
</tr>
<tr>
<td>Earth System Science &amp; Environmental Engineering Core: 15 credits</td>
<td>MAE213 Electrical Circuits</td>
<td>3</td>
</tr>
<tr>
<td>Earth System Science &amp; Environmental Engineering Core: 15 credits</td>
<td>MAE217 Systems Analysis of the Earth</td>
<td>4</td>
</tr>
<tr>
<td>Natural Sciences: 8 credits</td>
<td>SCC201 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>Natural Sciences: 8 credits</td>
<td>SCC202 General Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>

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)  
ENG259 Technical Writing 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  
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)  

Note: Student can select only one course from any one discipline. Students are advised to select one Urban Study course to complete 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.

**PROGRAM CORE: 38 CREDITS**

**Math Engineering & Computer Science:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT201 Calculus I</td>
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</tbody>
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**Concentration Area: (select one)**

**MECHANICAL**

<table>
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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Math, Engineering and Computer Science</td>
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</tr>
<tr>
<td>MAE100 Introduction to Auto CAD</td>
<td>3</td>
</tr>
<tr>
<td>MAE107 Manufacturing Processes</td>
<td>3</td>
</tr>
<tr>
<td>MAE109 Introduction to Engineering</td>
<td>2</td>
</tr>
<tr>
<td>MAE110 Circuits Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MAE111 Circuits Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>MAE121 Instrumentation</td>
<td>2</td>
</tr>
<tr>
<td>MAE190 Material Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MAE191 Statics and Strength of Materials</td>
<td>3</td>
</tr>
<tr>
<td>MAE201 HVAC Systems</td>
<td>3</td>
</tr>
<tr>
<td>MAE207 Introduction to Thermodynamics for Technology</td>
<td>3</td>
</tr>
<tr>
<td>MAE208 Electromechanical Devices</td>
<td>3</td>
</tr>
<tr>
<td>MAE230 Senior Design Project</td>
<td>2</td>
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**Unrestricted elective: 1 credit**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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**ELECTRICAL**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Math, Engineering and Computer Science</td>
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<tr>
<td>MAC241 Computer Electronics I</td>
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<tr>
<td>MAC242 Computer Electronics II</td>
<td>3</td>
</tr>
<tr>
<td>MAC291 Computer Logic, Design and Implementation I</td>
<td>4</td>
</tr>
<tr>
<td>MAC292 Computer Logic, Design and Implementation II</td>
<td>4</td>
</tr>
<tr>
<td>MAE100 Introduction to Auto CAD</td>
<td>3</td>
</tr>
<tr>
<td>MAE102 Electrical Drafting and Blue Print Reading</td>
<td>2</td>
</tr>
<tr>
<td>MAE109 Introduction to Engineering</td>
<td>2</td>
</tr>
<tr>
<td>MAE110 Circuits Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MAE111 Circuits Analysis II</td>
<td>3</td>
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<tr>
<td>MAE208 Electromechanical Devices</td>
<td>3</td>
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</tbody>
</table>

**Unrestricted electives: 2 credits**

**TOTAL CREDITS:** 60
Environmental Scientists study how the natural world is influenced by people, helping to solve problems related to environmental sustainability, water, air, and soil pollution, and the management and conservation of animals and plants. The Environmental Science Program, offered through the Natural Sciences Department, leads to an Associate in Science (AS) degree. The Program articulates with Queens College, where graduates are able to transfer all 60 credits. In addition, the Environmental Science Program prepares students for transfer to other CUNY four-year colleges.

The program gives students a solid scientific foundation, including several courses with a fieldwork and hands-on research components focused on New York City. After completing the General Biology and General Chemistry courses, students are introduced to interactions between organisms, their environment, and each other, including competition, predation, and pollination in the Fundamentals of Ecology course. The capstone course, Environmental Science, integrates the principles of global ecology with climate, technology, and sustainable development. The laboratory portion of Environmental Science emphasizes team research on original projects related to local environmental issues and their solutions. Students also will have an opportunity to complete internships at pollution control stations, city agencies, and community based environmental organizations.

The Environmental Science Program prepares students for successful transfer to four-year CUNY colleges in a variety of STEM majors. In addition, the A.S. in Environmental Science 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 science, allowing students to concentrate their studies in biology, chemistry or geology. Graduates of LaGuardia’s Environmental Science Program transfer to Queens College with 60 credits to complete their Bachelor’s degrees.

Environmental Science:
AS Degree

PATHWAYS COMMON CORE: 31 CREDITS

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

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
Select one of the following courses:
MAT115 College Algebra and Trigonometry 3
MAT117 Algebra and Trigonometry 3

Life & Physical Sciences: 4 credits
SCB201 General Biology I (STEM) 4

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

Students are advised to select one Urban Study course to complete 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. Note: Student can select only two courses from any one discipline.

PROGRAM CORE: 29 CREDITS

Natural Sciences
NSF101 First Year Seminar for Natural Sciences 2
SCB260 General Microbiology 4
SCB265 Fundamentals of Ecology 4
SCC201 General Chemistry I 4
SCC202 General Chemistry II 4
SCG150 Introduction to Geographic Information Systems 4
SCG250 Environmental Science 4

Unrestricted electives: 3 credits 3

TOTAL CREDITS: 60
FINE ARTS

www.laguardia.edu/finearts

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 specialty 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.

Fine Arts:
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) 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 course from the following: 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 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. Note: Student can select only two courses from any one discipline.
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

Fine Arts - Design Studies Option

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 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.

**Human Services: AA Degree**

**PATHWAYS COMMON CORE: 30 CREDITS**

**A. REQUIRED CORE: 12 credits**

<table>
<thead>
<tr>
<th>English: 6 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**Mathematical and Quantitative Reasoning: 3 credits**

Select one course from the following:

| MAT107 Math in the Modern World |  |
| MAT115/117 Algebra |  |
| MAT119/120 Statistics | 3 |

**Life and Physical Sciences: 3 credits**

Select one course from the following:

| 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

To complete the degree requirements from the flexible Core, students are required to take SSY101 General Psychology. Students are also encouraged to take SSP101 U.S. Power & Politics (US Experience in its Diversity) and SSS100 Introduction to sociology (Individual and Society).

**PROGRAM CORE: 30 CREDITS**

**Health Sciences: 6 credits**

| HSF090 First Year Seminar for Health Sciences | 0 |
| SCH160 Health & Wellness | 3 |
| SCN195 Community Health (Urban Studies) | 2 |
| SCH196 Community Health Research (Urban Studies) | 1 |

**Human Services: 15 credits**

| HSS101 Introduction to Human Services | 3 |
| HSS102 Social Policy & Social Welfare | 3 |
| HSS214 Social Gerontology | 3 |
| HSS216 Interviewing & Counseling | 3 |
| HSS295 Community Organizing | 3 |

Select one of the following options:

**Human Services Option: 6 credits**

Select two of the following:

| HSS208 Human Services & Disabilities | 3 |
| HSS218 Group Interviewing and Counseling | 3 |
| SCD200 Introductory Nutrition | 3 |
| SCH150 Drugs & Behavior | 3 |
| SCH210 Human Sexuality | 3 |
| SCN194 HIV/AIDS, Science & Society | 3 |
| SCN240 Food & Culture | 3 |

**Health Navigation Option: 6 credits**

| BTO125 Medical Terminology | 3 |
| BTO170 Electronic Health Records | 3 |

**Fieldwork: 3 credits**

| HSS290 Health and Human Services Seminar & Internship (Capstone) | 3 |

**TOTAL CREDITS:** 60
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.

Industrial Design:
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</td>
<td>6</td>
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<td>(ENA101 or ENC101 depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>ENG101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
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</tr>
<tr>
<td>Mathematical and Quantitative Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
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<tr>
<td>MAT107 Mathematics and the Modern World</td>
<td></td>
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<tr>
<td>MAT115 College Algebra and Trigonometry</td>
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<tr>
<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
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<tr>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
<td></td>
</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Life and Physical Sciences: 3 credits

Select one of the following:

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: 9 Credits

Select three courses from the flexible core 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

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: 39 CREDITS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td></td>
</tr>
<tr>
<td>New Student Seminar</td>
<td></td>
</tr>
<tr>
<td>HUA104 Introduction to Design</td>
<td>3</td>
</tr>
<tr>
<td>HUA106 Three Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>HUA107 Form &amp; Structure</td>
<td>3</td>
</tr>
<tr>
<td>HUA109 SolidWorks</td>
<td>3</td>
</tr>
<tr>
<td>HUA116 Introduction to Woodworking</td>
<td>3</td>
</tr>
<tr>
<td>HUA190 Technical Drawing</td>
<td>3</td>
</tr>
<tr>
<td>HUA207 Modelmaking</td>
<td>3</td>
</tr>
<tr>
<td>HUA212 History of Design</td>
<td>3</td>
</tr>
<tr>
<td>HUN192 Art and Society</td>
<td>3</td>
</tr>
<tr>
<td>Math Engineering &amp; Computer Science: 11 credits</td>
<td></td>
</tr>
<tr>
<td>MAE100 Introduction to CAD</td>
<td>3</td>
</tr>
<tr>
<td>MAE107 Manufacturing Processes</td>
<td>3</td>
</tr>
<tr>
<td>MAT241 Technical Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Unrestricted Electives: 2 credits</td>
<td>2</td>
</tr>
</tbody>
</table>

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.

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.

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, and Latin American studies, to choose from.

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.

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.

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.

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 in Asia, and social psychology in Asia. The curriculum is designed to prepare students for transfer to baccalaureate programs in East Asian Studies or Japan Studies. The Liberal Arts Japanese Option is articulated with the East Asian Studies major (Japanese track) at Queens College.

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.
**FILM & TELEVISION 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.

**MUSIC OPTION** (AA degree) offers the flexibility to earn a liberal arts education while taking a variety of music courses, which prepares you for transfer to a Bachelor of Arts in Music program. There are more than a dozen Bachelor’s programs available at CUNY senior colleges to choose from if you opt to continue your education, whether you plan to perform or teach music.

This program is closed to admission starting in Fall 2019.

**POLITICAL SCIENCE OPTION** (AA degree) seeks to educate and empower students to become civically informed and engaged global democratic citizens. To this end, we consider the ways that politics has developed over time, including some of the foundational ideas and institutions that make up government including nation states, international organizations or the sub-units of government such as states, counties, districts, etc. In the process, we address the following questions: What counts as political? What is political power? What is political authority? What makes political authority legitimate or illegitimate? What is the purpose of government? What should it be? What roles do government institutions, political parties, social movements, and interest groups play in a constitutional democracy? Power and conflict are frequent topics of study but so are the means used to make collective and policy decisions such as elections and legislative voting. In studying these topics, political scientists use philosophical, historical, legalistic and quantitative methods.

**WOMEN, GENDER, AND SEXUALITY STUDIES**

Women, Gender, and Sexuality Studies engages students in the critical discovery and exploration of culture and society through the intersections of gender, sexuality, race, class, age, ability, religion, region, and nationality. The option is designed for students who have a strong interest in learning about key debates and theoretical concepts central to WGS, and for students that plan to major in WGS or related fields at four-year institutions.

As an interdisciplinary option with faculty from Social Sciences, English, and Humanities, WGS prepare students to become better equipped to tackle the systemic implications and outcomes of particular local, national, and global forces that affect women and LGBTQ people.

**EDUCATION OPTIONS**

**EARLY CHILDHOOD EDUCATION OPTION** (AA degree) prepares students to work with children from birth to second grade in private and public school settings. The curriculum is designed to meet New York State Teacher Education requirements for initial teaching certification, as such it enables students to complete pre-professional requirements before entering a professional teacher education program at a four-year college. This option is articulated with Brooklyn College.

**CHILDHOOD EDUCATION OPTION** (AA degree) prepares students to work with children from first to sixth grade in a public school setting. The curriculum is designed to meet New York State Teacher Education requirements for initial teaching certification, as such it enables students to complete pre-professional requirements before entering a professional teacher education program at a four-year college. This option is articulated with Queens College.

**SECONDARY EDUCATION – TEACHER EDUCATION TRANSFER OPTION** (AA degree) prepares students to work with adolescents from seventh to twelfth grade in a public school setting. The curriculum is designed to meet New York State Teacher Education requirements for initial teaching certification, as such it enables students to complete pre-professional requirements before entering a professional teacher education program at a four-year college. This option is articulated with Queens College.

Descriptions of courses in these majors begin on page 141.

* * *

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.
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)
MAT120 Elementary Statistics
(MAT119 Statistics with Elementary Algebra depending on placement scores)

**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
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. Note: Student can select only two courses from any one discipline.

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 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 handbook.

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/ELA:** 3 credits
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:** 6 credits
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
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
SSP101 U.S. Power and Politics
SP250 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
SSH131 Latin American History 1
SSH132 Latin American History 2
SSH151 Women and Gender in US History
SSH153 History of US Foreign Policy & International Relations
SSH171 The World Since 1900
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

  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 of the following courses:
  SCB101 Topics in Biological Sciences  3
  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

  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: 30 CREDITS

Education & Language Acquisition: 12 credits
  EDF101 First Year Seminar for Education  3
  ELE110 Arts in Education  3
  ELE203 Language and Literacy in Childhood Education  3
  ELN120 Foundations of American Education  3

Humanities: 3 credits
  HUC116 Survey of Speech, Language and Hearing Disorders  3

Social Science: 9 credits
  SSH101 Themes in American History I  3
  SSH101 Themes in American History II  3
  SSY105 Learning and Education  3

Mathematics, Engineering and Computer Science: 3 credits
  MAT104 Mathematics in Elementary Education  3

TOTAL CREDITS: 60

OR

DEAF STUDIES 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 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 of the following courses:
  SCB101 Topics in Biological Sciences  3
  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 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. Note: Student 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

  Education & Language Acquisition
  ELN101 Introduction to Bilingualism  3

  Deaf Studies
  ELM101 American Sign Language  3
  ELM102 American Sign Language II  3
  ELM103 American Sign Language III  3
  ELM104 American Sign Language IV  3
  ELM210 Sign Language Linguistics  3

  Social Science
  SSS190 Sociology of American Deaf Community  3

TOTAL CREDITS: 60
## EARLY CHILDHOOD EDUCATION 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 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 of the following courses:
- SCB101 Topics in Biological Sciences 3
- 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

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: 30 CREDITS

#### Education Core: 15 Credits

- EDF101 First Year Seminar for Education 3
- ELE110 Arts in Education 3
- ELE205 Language and Literacy in Early Childhood Education 3
- ELN121 Foundations of Early Childhood Education 3
- ELN206 Family, School & Community in Early Childhood Education 3

#### Humanities
- HUC116 Survey of Speech, Language and Hearing Disorders 3

#### Social Science
- SSY101 General Psychology 3
- SSY105 Learning and Education 3
- SSY230 Abnormal Psychology 3
- SSY240 Developmental Psychology 3

**TOTAL CREDITS:** 60
FILM AND TELEVISION 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)
MAT120 Elementary Statistics (MAT119 Statistics with Elementary Algebra depending on placement scores)

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
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.

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

Media Studies
HUC150 Art of Film 3
HUC238 Screenwriting 3
HUC240 Video Production Workshop I 3
HUC270 American Film 3

Select one of the following:
HUC241 Video Production Workshop II 3
HUC242 Postproduction Effects, Color, Audio
HUN196 Film in New York City

Social Science
Select one of the following:
SSA100 Introduction to Anthropology 3
SSA101 Cultural Anthropology
SSE103 Introduction to Microeconomics
SSE104 Introduction to Macroeconomics
SSP101 U.S. Power and Politics
SSP250 Political Ideas and Ideologies
SSS100 Introduction to Sociology
SSY101 General Psychology

Select one of 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
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
## HISTORY 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: 3
- MAT107 Mathematics and the Modern World
- MAT115 College Algebra and Trigonometry
  (MAT117 Algebra and Trigonometry depending on placement scores)
- MAT120 Elementary Statistics
  (MAT119 Statistics with Elementary Algebra 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
- 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.
- Note: Students can select only two courses from any one discipline.

- 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 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.*

### PROGRAM CORE: 30 CREDITS

**Liberal Arts: 6 credits**
- LIF101 First Year Seminar for Liberal Arts 3
- LIB200 Humanism, Science and Technology 3

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

**Humanities: 3 credits**
- Select one of the following courses: 3
  - HUA101 Introduction to Art
  - HUA103 Beginning Drawing
  - HUA110 Beginning Painting
  - HUA120 Beginning Sculpture
  - HUA130 Beginning Photography
  - HUC101 Fundamentals of Speech Communication
  - HUC106 Public Speaking
  - HUC150 The Art of Film
  - HUC270 American Film
  - HUM101 Introduction to Music
  - HUM155 Voice I
  - HUM170 Guitar I
  - HUM210 American Music
  - HUN195 Art in New York
  - HUP101 Introduction to Philosophy
  - HUP104 Ethics and Moral Issues
  - HUP105 Philosophy of Religion
  - HUP106 Social and Political Philosophy
  - HUT101 Art of Theatre
  - HUT110 Acting I

**Social Science: 18 credits**
- Select four of the following courses: 12
  - 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
  - SSH131 Latin American History 1
  - SSH132 Latin American History 2
  - SSH151 Women and Gender in US History
  - SSH153 History of US Foreign Policy & International Relations
  - SSH171 The World Since 1900
  - SSH231 Afro-American History
  - SSH232 Survey of Latin American and Caribbean History

*Select two of the following: 6
- SSA100 Introduction to Anthropology
- SSA101 Cultural Anthropology
- SSE103 Introduction to Microeconomics
- SSE104 Introduction to Macroeconomics
- SSP101 U.S. Power and Politics
- SSP250 Political Ideas and Ideologies
- SSS100 Introduction to Sociology
- SSY101 General Psychology

### TOTAL CREDITS: 60
INTERNATIONAL STUDIES 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
  (MAT117 Algebra and Trigonometry depending on placement scores)
- MAT120 Elementary Statistics 3
  (MAT119 Statistics with Elementary Algebra depending on placement scores)

**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
- 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.

Note: Students can select only two courses from any one discipline.

- 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 in the program handbook.

PROGRAM CORE: 30 CREDITS

**ENG/ELA/Humanities: 3 credits**
Select one of the following courses:
- EIS216 International Schooling in Global Contexts 3
- ENG295 World Literatures Written in English
- ELF250 Modern French Literature in Translation
- ELS250 Contemporary Latin American Fiction in Translation
- ELA250 Modern Arabic Literature in Translation
- ELC250 Chinese Literature in English Translation
- ELH250 Contemporary Hebrew Lit in Translation
- ELI250 Italian Literature in Translation
- ELJ250 Japanese Literature in Translation
- ELK250 Modern Korean Literature in Translation
- ELR250 20th Century Russian Literature in Translation
- ELA260 Arab Cinema: Cultural Insights through Film
- HUM107 Music of Latin America
- HUM109 World Music
- HUA167 Introduction to African Art
- HUA191 Art of Eastern Asia

**Education and Language Acquisition: 9 credits**
- EIS215 Language Issues in a Global World 3
- Modern Language 6

**Social Science: 9 credits**
Select one of the following courses:
- SSA106 Anthropology of Latin America 3
- SSA120 Peoples and Cultures of the Caribbean
- SSH113 Modern Chinese History
- SSH114 Modern Japanese History
- SSH153 History of the United States and World Affairs
- SSH110 East Asia Civilization and Societies
- SSA100 Introduction to Anthropology
- SSA101 Cultural Anthropology
- SSE105 International Economics
- SSE125 World Geography
- 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
- SSI100 Introduction to Sociology

Select two of the following courses:
- SSH232 Survey of Latin American and Caribbean History 6
- SSP220 Politics of Latin America and the Caribbean
- SSP200 Global Politics
- SSP250 Political Ideas and Ideologies
- SS1210 Women in Society

TOTAL CREDITS: 60
### JAPANESE 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)
  - MAT120 Elementary Statistics
    (MAT119 Statistics with Elementary Algebra depending on placement scores)

**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
  - 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 (ELJ101 and ELJ102) 3
- US Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

Students are advised to select one Urban Study course to complete 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. Note: Student 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**
- ENG 103 Preparing and Writing the Research Paper 3

**Education and Language Acquisition**
- ELJ103 Intermediate Japanese I 3
- ELJ104 Intermediate Japanese II 3
- ELJ250 Japanese Literature in Translation 3

Select one of the following courses:
- ELC101 Elementary Modern Chinese I 3
- ELC102 Elementary Modern Chinese II 3
- ELC103 Intermediate Modern Chinese I 3
- ELC105 Modern Chinese for Heritage Students 3
- ELC201 Modern Chinese Literature (taught in Chinese) 3
- ELC202 Contemporary Chinese Literature (taught in Chinese) 3
- ELC203 Classic Chinese Literature (taught in Chinese) 3
- ELK101 Elementary Korean I 3
- ELK102 Elementary Korean II 3
- ELK103 Intermediate Korean I 3
- ELK201 Modern Korean Literature (taught in Korean) 3

[Note] One Chinese or Korean language course depending on the placement score. ELC101 and ELK101 are not paired with the 102-level course for Japanese Option students.

**Humanities**
- Select one of the following courses:
  - HUA101 Introduction to Art 3
  - HUA191 The Art of Eastern Asia
  - 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:** 3 credits
- Select one of the following courses:
  - 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
### JOURNALISM 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: 3
  - MAT107 Mathematics and the Modern World
  - MAT115 College Algebra and Trigonometry
  - (MAT117 Algebra and Trigonometry depending on placement scores)
  - MAT120 Elementary Statistics
  - (MAT119 Statistics with Elementary Algebra 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. 18

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

**Social Science**
- Select one of the following: 3
  - 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
  - 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**

#### 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

**Journalism Core**
- Select four of the following courses: 12
  - ENG208 Introduction to Digital Journalism
  - ENG209 Advanced Digital Journalism
  - ENG210 Journalism: Its Scope and Use
  - ENG211 Journalism: The Craft of Gathering and Reporting the News
  - ENG212 Feature Writing for Newspapers and Popular Magazines
  - ENG274 Creative Nonfiction Workshop
  - ENG288 Internship

**Humanities**
- Select one of the following courses: 3
  - HUA101 Introduction to Art
  - 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: 3
  - 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
  - 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 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)
MAT120 Elementary Statistics
(MAT119 Statistics with Elementary Algebra depending on placement scores)

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
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 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. Note: Student can select only two courses from any one discipline. If you took a foreign language 101 you must take 102 in the same language to get credit for the 101.

PROGRAM CORE: 30 CREDITS

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

English: 3 credits
ENG103 Preparing and Writing the Research Paper 3

Education and Language Acquisition: 6 credits
Select two of the following:
ELF201 French Literature From a Global Perspective
ELF250 Modern French Literature in Translation
ELS200 Latin American Literature I
ELS201 Latin American Literature II
ELS204 Latin American Civilizations
ELS205 Latin American Civilizations
ELS250 Latin American Fiction in Translation
ELS200, ELS201, ELS204 are taught in Spanish
ELS205, ELS250 and ELF250 are taught in English
ELF201 is taught in French

Humanities: 6 credits
Select two of the following:
HUA196 Latin American Art
HUC150 The Art of Film
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
SSH232 Survey of Latin American and Caribbean History
SSP200 Global Politics
SSP220 Politics of Latin America and the Caribbean

ELA/Humanities/Social Science Elective: 3 credits
Choose an additional course from Social Science, Humanities or ELA from the above lists.

TOTAL CREDITS: 60
### MUSIC 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**
- MAT107 Mathematics and the Modern World 3
- MAT115 College Algebra and Trigonometry 3
  (MAT117 Algebra and Trigonometry depending on placement scores)
- MAT120 Elementary Statistics 3
  (MAT119 Statistics with Elementary Algebra depending on placement scores)

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

**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 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. Note: Student can select only two courses from any one discipline.

#### PROGRAM CORE: 30 CREDITS

**Liberal Arts: 6 credits**
- LIF101 First Year Seminar for Liberal Arts 3
- LIB200 Humanism, Science and Technology 3

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

**Education and Language Acquisition: 3 credits**
- ELL101 Introduction to Language 3

**Music: 15 credits**
- HUM101 Introduction to Music 3
- HUM140 Music Theory I 2
- HUM144 Musicianship I 1
- HUM180 Piano I 1
- HUM181 Piano II 1
- HUM240 Harmony and Counterpoint 2

**Select one of the following courses:**
- HUM174 Ensemble I 2
- HUM152 Contemporary Vocal Ensemble I 2

**Select one of the following:**
- HUM274 Ensemble II 2
- HUM252 Contemporary Vocal Ensemble II 2

**Social Science: 3 credits**
- SSA101 Cultural Anthropology 3
- SSP101 US Power and Politics 3
- SSS100 Introduction to Sociology 3
- SY101 General Psychology 3
- SSH101 Themes in American History to 1865 3
- SSH102 Themes in American History since 1865 3
- SSH103 Western Civilization from Ancient Times to the Renaissance 3
- SSH104 Western Civilization from the Renaissance to Modern Times 3
- SSH105 World History from Ancient Times to 1500 3
- SSH106 World History from 1500 to the Present 3
- SSH110 East Asia Civilization and Societies 3
- SSH231 Afro-American History 3
- SSH232 Survey of Latin American and Caribbean History 3

**TOTAL CREDITS:** 60

Closed for admission for Fall 2019
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)
  - MAT120 Elementary Statistics
    (MAT119 Statistics with Elementary Algebra depending on placement scores)

**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
  - 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 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 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. Note: Student 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

**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
  - SSE104 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 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
  - 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

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: 30 CREDITS

**Education Core: 9 credits**
- EDF101 First Year Seminar for Education 3
- ELE204 Language and Literacy in Secondary Education 3
- ELN122 Foundations of American Education: Grades 7-12 3

**Education and Language Acquisition: 9 credits**
- ELL101 Introduction to Language 3
- Two Modern Language courses in the same language 6

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

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**
- Select two of the following courses: 8
  - MAT201 Calculus I
  - MAT202 Calculus II
  - MAT230 Introduction to Discrete Mathematical Structures 4

**Adolescent Education: Science: 9 credits**
- Select three of the following courses: 9
  - SCB201 General Biology I
  - SCB202 General Biology II
  - SCC201 General Chemistry I

**Adolescent Education: Social Science: 9 credits**
- Select three of the following courses: 9
  - 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
  - SSA101 Cultural Anthropology
  - SSA106 Anthropology of Latin America
  - SSS100 Introduction to Sociology American Society
  - SSS280 Sociology of the Family
  - SSP101 US Power and Politics

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

Note: Students are required to take a placement exam before registering for any ELS course.

**TOTAL CREDITS:** 60
WOMEN, GENDER AND SEXUALITY STUDIES 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: 3
   MAT107 Mathematics and the Modern World
   MAT115 College Algebra and Trigonometry
   (MAT117 Algebra and Trigonometry depending on placement scores)
   MAT120 Elementary Statistics
   (MAT119 Statistics with Elementary Algebra 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 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 to complete 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.

PROGRAM CORE: 30 CREDITS

   Liberal Arts
   LIF101 First Year Seminar for Liberal Arts 3
   LIB 200 Humanism, Science & Technology 3

   Women, Gender and Sexuality Studies
   LIB101 Introduction to Women, Gender and Sexuality Studies 3
   LIB201: Transnational Feminisms 3

   English: 6 credits
   ENG 103 Preparing and Writing the Research Paper 3

Select one of the following courses: 3
   ENG245 Images of Women in Literature
   ENG247 The Woman Writer: Her Vision and Her Art
   ENG261 Literature of Difference: Gay and Lesbian Writers
   ENG252 Sexuality in Literature

   Humanities: 3 credits
   Select one of the following courses: 3
   HUP122 Philosophy of Gender and Sex
   HUC118 Gender and Communication

   Social Science: 9 credits
   Select three of the following courses: 9
   SSH151 Women and Gender in U.S. History
   SSN201 Politics of Sexuality
   SSI210 Women in Society
   SSY205 Psychology of Women

TOTAL CREDITS: 60
## Liberal Arts—Mathematics and Science: AS Degree

**PATHWAYS COMMON CORE: 32 CREDITS**

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

### A. REQUIRED CORE:

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>6</td>
</tr>
<tr>
<td>ENG101 English Composition I</td>
<td>3</td>
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<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>3</td>
</tr>
<tr>
<td>Select one of the following courses:</td>
<td></td>
</tr>
<tr>
<td>MAT115 College Algebra and Trigonometry</td>
<td>3</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>3</td>
</tr>
<tr>
<td>MAT120 Elementary Statistics I</td>
<td></td>
</tr>
<tr>
<td><strong>Life &amp; Physical Sciences: 4 credits</strong></td>
<td>4</td>
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<tr>
<td>Select one of the following courses:</td>
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<tr>
<td>SCB201 Fundamentals of Biology I (STEM)</td>
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<tr>
<td>SCC201 Fundamentals of Chemistry I (STEM)</td>
<td>4</td>
</tr>
<tr>
<td>SCP201 Fundamentals of Physics I (STEM)</td>
<td></td>
</tr>
</tbody>
</table>

### 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 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. Note: Student can select only two courses from any one discipline.

### PROGRAM CORE: 28 CREDITS

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Liberal Arts</strong></td>
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<tr>
<td>LMF101 First Year Seminar for LA Math/Sci</td>
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<tr>
<td>LIB200 Humanism, Science and Technology</td>
<td>3</td>
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<tr>
<td><strong>Humanities</strong></td>
<td></td>
</tr>
<tr>
<td>HUC106 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td><strong>Social Science: 3 credits</strong></td>
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<tr>
<td>Select one of the following courses:</td>
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<tr>
<td>SSA100 Introduction to Anthropology</td>
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<tr>
<td>SSA101 Cultural Anthropology</td>
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<tr>
<td>SSE103 Introduction to Microeconomics</td>
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<td>SSE104 Introduction to Macroeconomics</td>
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<tr>
<td>SSP101 U.S. Power and Politics</td>
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<tr>
<td>SSP200 Global Politics</td>
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<tr>
<td><strong>Math/Science: 15 credits</strong></td>
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<td>Select four to five courses from the following:</td>
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<tr>
<td>MAT121 Elementary Statistics II</td>
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<td>MAT200 Pre-Calculus (STEM)</td>
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<td>MAT201 Calculus (STEM)</td>
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<td>MAT202 Calculus II (STEM)</td>
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<td>MAT203 Calculus III (STEM)</td>
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<td>MAT204 Elementary Differential Equations</td>
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<td>MAT210 Linear Algebra</td>
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<td>MAT212 Linear Algebra and Vector Analysis</td>
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<td>MAT221 Introduction to Probability</td>
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<td>MAT231 Introduction to Discrete Math</td>
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<td>SCB115 Principles of Biology</td>
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<td>SCB165 Vertebrate Evolution</td>
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<td>SCB201 Fundamentals of Biology I</td>
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<td>SCB202 Fundamentals of Biology II</td>
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<tr>
<td>SCB203 Human Anatomy and Physiology I</td>
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<tr>
<td>SCB204 Human Anatomy and Physiology II</td>
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<td>SCB208 Vertebrate Anatomy and Physiology I</td>
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<tr>
<td>SCB209 Vertebrate Anatomy and Physiology II</td>
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<tr>
<td>SCB240 Biotechnology I</td>
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<tr>
<td>SCB252 Fundamentals of Biotechniques</td>
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<tr>
<td>SCB255 Cell Biology</td>
<td>3</td>
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<tr>
<td>SCB260 General Microbiology</td>
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<tr>
<td>SCB265 Fundamentals of Ecology</td>
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<tr>
<td>SCC105 Introduction to Chemistry</td>
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<tr>
<td>SCC110 Foundations of Chemistry</td>
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<td>SCC201 Fundamentals of Chemistry I</td>
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<td>SCC202 Fundamentals of Chemistry II</td>
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<td>SCC251 Organic Chemistry I</td>
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<td>SCC252 Organic Chemistry II</td>
<td>5</td>
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<tr>
<td>SCG120 Introduction to Oceanography</td>
<td>3</td>
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<tr>
<td>SCG150 Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>SCI204 Research in Natural Sciences</td>
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<tr>
<td>SCP160 Foundations of the Physical Sciences</td>
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<tr>
<td>SCP201 Fundamentals of Physics I</td>
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<td>SCP202 Fundamentals of Physics II</td>
<td>4</td>
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<tr>
<td>SCP231 General Physics I</td>
<td>4</td>
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<tr>
<td>SCP232 General Physics II</td>
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</tr>
</tbody>
</table>

**Unrestricted Elective: 1 credit**

**TOTAL CREDITS:** 60
The Music Performance major, offered through the Humanities Department, leads to an Associate of Science (AS) degree. This curriculum provides students with skills and knowledge necessary to pursue a wide spectrum of careers in music and the entertainment industry. Students develop performance-based skills through a combination of classroom training and individual instrumental instruction. Participation in performances in a variety of musical styles will be a part of every student’s program. Studies include the ability to analyze, critically assess and write about music through courses in music history, music theory, and musicianship. This balanced approach to the AS in Music Performance degree provides students with a strong foundation on which to pursue a career in performance, production, or education. Students transferring to a senior college will have the option of pursuing a Bachelor of Music, Bachelor of Arts, Bachelor of Science, or a Bachelor of Fine Arts degree.

Music Performance:
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 of the following courses: 3
MAT107 Mathematics & The Modern World
MAT115 College Algebra & Trigonometry (MAT117 Algebra & 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
SCC105 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 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. Note: Student can select only two courses from any one discipline.

PROGRAM CORE: 30 CREDITS

LIF101 First Year Seminar for Liberal Arts 3
HUM 101 Introduction to Music 3
HUM 140 Music Theory I 3
HUM 240 Harmony and Counterpoint 4
HUM 144 Musicianship I 2
HUM 244 Musicianship II 2
HUM 180 Piano I 1
HUM 181 Piano II 1
HUM 182 Piano III 1
HUM 183 Piano IV 1
HUM 160 Applied Music I 2
HUM 161 Applied Music II 2
HUM 261 Applied Music III 2

Select one course from the following:
HUM 152 Contemporary Vocal Ensemble I 1
HUM 174 Ensemble I 1

Select one course from the following:
HUM 252 Contemporary Vocal Ensemble II 1
HUM 274 Ensemble II 1

Select one course from the following:
HUM 253 Contemporary Vocal Ensemble III 1
HUM 275 Ensemble III 1

TOTAL CREDITS: 60
MUSIC RECORDING TECHNOLOGY

www.laguardia.edu/music-recording

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. 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: AAS Degree

PATHWAYS COMMON CORE: 21 CREDITS

A. REQUIRED CORE: 12 credits

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

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

| Life & Physical Sciences: 3 credits |       |
| Select one of the following courses: | 3     |
| SCB101 Topics in Biological Sciences | 3     |
| SCB206 Introduction to Neuroscience | 3     |
| SCC101 Topics in Chemistry | 3     |
| SCC105 Chemistry of Photography | 3     |
| SCP101 Topics in Physics | 3     |
| SCP105 Life in the Universe | 3     |
| SCP140 Topics in Astronomy | 3     |

B. FLEXIBLE CORE: 9 Credits

Select three courses from the flexible core 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

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.

Students are advised to select one urban studies course from the flexible core to complete college graduation requirements.

PROGRAM CORE: 39 CREDITS

<table>
<thead>
<tr>
<th>Humanities: 12 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MRF101 First Year Seminar for MRT</td>
<td>2</td>
</tr>
<tr>
<td>HUM140 Music Theory I</td>
<td>2</td>
</tr>
<tr>
<td>HUM146 Music Audio Recording</td>
<td>3</td>
</tr>
<tr>
<td>HUM147 Music Audio Recording 2</td>
<td>3</td>
</tr>
<tr>
<td>HUM180 Piano 1</td>
<td>1</td>
</tr>
<tr>
<td>HUM181 Piano 2</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technology: 27 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HUX102 Basics of Digital Audio</td>
<td>3</td>
</tr>
<tr>
<td>HUX103 Ear Training and Acoustics</td>
<td>3</td>
</tr>
<tr>
<td>HUX104 The Business of Music</td>
<td>3</td>
</tr>
<tr>
<td>HUX106 Digital Music Production</td>
<td>3</td>
</tr>
<tr>
<td>HUX107 Analog Equipment and Microphones</td>
<td>3</td>
</tr>
<tr>
<td>HUX108 Mixing Music I</td>
<td>3</td>
</tr>
<tr>
<td>HUX110 Recording Workshop</td>
<td>3</td>
</tr>
<tr>
<td>HUX112 Post-Production Audio</td>
<td>3</td>
</tr>
<tr>
<td>HUX114 Audio Career Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 60
New Media Technology students develop a broad understanding of multimedia and Internet-based technologies in order to develop expertise in creating the type of digital content that is widely in demand. The field of New Media is incredibly varied and provides writers, musicians, artists, filmmakers, and business people with powerful new tools for economic development and creative expression. As a New Media Technology specialist you can choose the career path that best fits your skills. This program can be an excellent choice for students who are technically competent and creative. Choose from specializations in: Digital Media, Game Design, Mobile App Development, E-Business or Digital Journalism.

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:
- MAT107 Mathematics & the Modern World
- MAT115 College Algebra & Trigonometry
  (MAT117 Algebra & Trigonometry depending on placement scores)
- MAT120 Elementary Statistics
  (MAT119 Statistics with Elementary Algebra depending on placement scores)

**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
- SCC102 Chemistry of Photography
- SCP101 Topics in Physics
- SCP105 Life in the Universe
- SCP140 Topics in Astronomy

B. FLEXIBLE CORE* 9 credits

Select three courses from 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 an Urban Study course to complete college requirements. To complete the degree requirements from Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. Note: Students can select only two courses from any one discipline.

**PROGRAM CORE: 24 CREDITS**

**New Media Technology: 18 credits**
- LIF101 First Year Seminar
- HUW112 Introduction to New Media
- HUW162 Web Animation
- HUW163 Internet Video
- HUW166 Introduction to Web Development
- HUW269 New Media Project Lab

**Urban Studies:** 6 credits
Select one of the following courses:
- HUN165 The Mediated City
- HUN196 Film and New York City

Select one of the following courses 3 credits:
- HUW260 Experiential Learning in New Media Technology
- HUW111 E-Commerce

**DIGITAL MEDIA TRACK**
Select five (5) of the following courses: 15 credits
- HUA125 Computer Art I
- HUA126 Computer Art II
- HUA103 Beginning Drawing
- HUA131 Digital Photography
- HUC240 Video Production Workshop I
- HUC241 Video Production Workshop II
- HUM146 Music Audio Recording
- HUW160 Topics in New Media
- HUW161 Principles of Multimedia and Web Design
- HUW167 Dynamic Web Design
- HUW169 Game Design

**SMART PHONE APP DEVELOPMENT TRACK**
- iOS Concentration (15 credits)
  - MAC101 Introduction to Computer Science
  - MAC105 Objective C Programming
  - MAC110 Systems Analysis and Design
  - MAC120 Introduction to Mobile App Development
  - MAC221 App Development for iOS
- Android Concentration (15 credits)
  - MAC101 Introduction to Computer Science
  - MAC190 Object-Oriented Programming
  - MAC110 Systems Analysis and Design
  - MAC120 Introduction to Mobile App Development
  - MAC220 App Development for Android Devices
### 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:
- Introduction to Web Development HUW166 3
- Music Audio Recording I HUM146 3

**TOTAL CREDITS: 33**

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**NURSING (REGISTERED NURSING)**

www.laguardia.edu/nursing

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.
Registered Nursing:  
AAS Degree

PATHWAYS COMMON CORE: 23 CREDITS

This program has a waiver to list 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) 3
- ENG102 Writing through Literature 3

**Mathematical and Quantitative Reasoning: 3 credits**
- Select one course from the following 3
  - MAT119 Statistics with Elementary Algebra (depending on placement scores)
  - 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**
- SCC110 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

Notes:
- > 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 Nutrition and Culinary Management Program, offered through the Health Sciences Department, leads to an Associate of Applied Science (AAS) degree. The program provides coursework in nutrition, food science, culinary arts, cultural foods, food production management, menu development, sanitation and safety principles, food procurement, sustainability, human resource management and additional support courses in liberal arts. The program participates in the ManageFirst certification administered through National Restaurant Association Solutions equipping students with key competencies to begin or advance their management careers in the culinary industry. Students become certified in five areas: ServSafe Food Safety, Controlling Foodservice Costs, Purchasing, Hospitality Human Resources Management and Supervision, and Hospitality and Restaurant Management. The internship component of the program helps students apply their classroom learning to practical work experience in the dietary/culinary industry. Students in this major select one of two options. The Nutrition option covers courses in medical nutrition therapy, nutrition across the lifecycle, nutrition education and counseling, and community nutrition preparing students for Dietary and Foodservice Manager/Supervisors positions responsible for preparation and service of nutritious and palatable patient meals. Graduates can find employment in medical centers, hospitals, extended care facilities, foodservice contract companies, child nutrition programs, and community health programs, and are also eligible for the Dietary Managers Association membership and can sit for the nationally recognized Certified Dietary Manager (CDM) credentialing exam, administered by the Association of Nutrition and Foodservice Professionals. The Culinary Management Option covers courses in business, accounting, events planning and customer sales and services preparing students for Culinary Manager positions responsible for daily operations of restaurants and other establishments that prepare and serve meals and beverages to customers. 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.

**Nutrition and Culinary Management: AAS Degree**

**PATHWAYS COMMON CORE: 19 CREDITS**

**A. REQUIRED CORE: 12 credits**

<table>
<thead>
<tr>
<th>English: 6 credits</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ENG101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG102 Writing through Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**Mathematics: 3 credits**

Select one course from 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 Sciences: 3 credits**

Select one course from the following:

- 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: 9 credits**

Select three courses from the following categories. Select only one course per category

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

To complete degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed on the program website. SCD206 has a pre requisite of SSY101. SSY101 should be taken under Scientific World

**PROGRAM CORE: 39 CREDITS**

**Health Sciences: 27 credits**

- HSF090 First Year Seminar for Health Sciences 0
- SCD107 Careers in Food and Nutrition 1
- SCD114 Culinary Arts I 3
- SCD200 Introductory Nutrition 3
- SCD214 Culinary Arts II 3
- SCN240 Food and Culture 3
- SCD250 Menu Planning and Production 3
- SCD251 Principles of Sanitation 2
- SCD252 Principles of Purchasing 3
- SCD253 Culinary Management 3
- SCD266 Nutrition and Culinary Management Internship 3

Select one of the following options:

**NUTRITION OPTION: 12 CREDITS**

- SCD203 Life Cycle Nutrition 3
- SCD204 Nutrition and Disease 3
- SCD206 Nutrition Counseling 3
- SCH160 Health and Wellness 3

**CULINARY MANAGEMENT OPTION: 12 CREDITS**

- BTA111 Principles of Accounting I 3
- BTM101 Introduction to Business 3
- BTT212* Customer Sales and Service 3
- BTT223* Meeting and Event Planning 3

*The BTT101 pre-requisite is waived for NCM majors.**

**TOTAL CREDITS: 60**
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).
Occupational Therapy Assistant:
AAS Degree

**PATHWAYS COMMON CORE: 26 CREDITS**

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

**A. REQUIRED CORE: 13 credits**

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

**Mathematical and Quantitative Reasoning: 3 credits**

Select one course from the following: 3

- MAT 115 College Algebra and Trigonometry* (depending on placement scores)
- MAT117 Algebra and Trigonometry* (depending on placement scores)
- MAT119 Statistics with Elementary Algebra* (depending on placement scores)
- 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 (STEM) 4 |
| SSY101 General Psychology* 3 |
| SSY230 Abnormal Psychology 3 |
| SSY240 Developmental Psychology 3 |

**PROGRAM CORE: 37 CREDITS**

**Health Sciences: 2 credits**

| Health Sciences: First Year Seminar for Health Sciences 0 |
| SCN195 Community Health 2 |

**Occupational Therapy Assistant Core: 35 credits**

| Occupational Therapy Assistant Core: Introduction to Occupational Therapy 3 |
| Legal and Ethical Aspects of Occupational Therapy 2 |
| Documentation in Occupational Therapy 2 |
| Clinical Reasoning in Occupational Therapy 2 |
| Physical Aspects of Human Growth & Development 2 |
| Occupational Therapy Process: Psychosocial Dysfunction and Geriatric Conditions 4 |
| Occupational Therapy Process: Physical and Developmental Disabilities 4 |
| Occupational Therapy Skills and Functional Activities I 3 |
| Occupational Therapy Skills and Functional Activities II 3 |
| Functional Pathology 3 |
| Occupational Therapy Clerkship for Psychosocial/Dysfunction and Geriatric Conditions 1.5 |
| Occupational Therapy Clerkship for Physical/Dysfunction and Geriatric Conditions 1.5 |
| Occupational Therapy Fieldwork in Psychosocial Dysfunction and Geriatric Conditions 2 |
| 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.
Paralegal Studies: AAS Degree

PATHWAYS COMMON CORE: 21 CREDITS

This program has a waiver to list 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 3
- (MAT117 Algebra and Trigonometry depending on placement scores)
- MAT120 Elementary Statistics
  (MAT119 Statistics with Elementary Algebra depending on placement scores)

**Life and Physical Science: 3 credits**
Select one of the following:
- SCB101 Topics in Biological Sciences 3
- SCB206 Introduction to Neuroscience
- SCC101 Topics in Chemistry
- SCC102 Chemistry of Photography
- SCC103 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.
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 Study course to fulfill 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.

PROGRAM CORE: 39 CREDITS

**Business and Technology: 5 credits**
- BTF101 First Year Seminar for Business 2
- BTM110 Business Law 3

**Paralegal Studies: 21 credits**
- BTP101 Introduction to Paralegal Studies 3
- BTP203 Family Law 3
- BTP204 Legal Research and Writing 3
- BTP205 Civil Litigation 3
- BTP 206 Paralegal Internship 3
- BTP209 Criminal Law and Procedure 3
- BTP211 Computer Applications for Paralegals 3
- BTP212 Immigration Law 3

Select three of the following:
- BTP201 Administrative Law 3
- BTP202 Wills, Trusts and Estates 3
- BTP207 Real Estate Law for Paralegals 3
- BTP208 The Law of Business Enterprise for Paralegals 3
- BTP213 Bankruptcy Law 3

**Unrestricted elective: 1 credit**

TOTAL CREDITS: 60

Paralegal Studies Certificate

**Paralegal Students: 18 credits**
- BTP101 Introduction to Paralegal Studies 3
- BTP204 Legal Research and Writing 3
- BTP205 Civil Litigation 3
- BTP211 Computer Applications for Paralegals 3

Select two of the following courses:
- BTP202 Wills, Trusts and Estates 3
- BTP203 Family Law 3
- BTP207 Real Estate Law for Paralegals 3
- BTP208 The Law of Business Enterprises for Paralegals 3
- BTP209 Criminal Law and Procedure 3
- BTP212 Immigration Law 3
- BTP213 Bankruptcy Law 3

TOTAL CREDITS: 18

This program is not eligible for Financial Aid.

PARAMEDIC

Not accepting new students at this time.
PHILOSOPHY

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.
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)
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)
MAT120 Elementary Statistics
(MAT119 Statistics with Elementary Algebra depending on placement scores)

**Life and Physical Sciences:** 3 credits
*Select one of the following courses:*
SCB101 Topics in Biological Sciences 3
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**

*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: 30 CREDITS**

**Liberal Arts:** 3 credits
LIF101 First Year Seminar for Liberal Arts 3

**Humanities:** 3 credits
*Select one of the following courses:*
HUN190 Ethics and Society 3
HUN192 Art and Society
HUN195 Art in New York

**Social Science:** 3 credits
*Select one of the following courses:*
SSH103 Western Civilization from Ancient Times to the Renaissance 3
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:** 21 credits
HUP101 Introduction to Philosophy 3
HUP275 Landmarks in Philosophy 3
*Select five of the following courses:*
HUP102 Critical Thinking 3
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
HUP125 Introduction to Philosophy of Science
HUP215 Philosophy of Love
HUP221 Philosophy of Mind

TOTAL CREDITS: 60
The Physical Sciences Program, offered through the Natural Sciences Department, leads to an Associate of Science Degree (AS) through either the Chemistry or Physics Tracks. The Chemistry and Physics Tracks in the Physical Sciences program articulate with the Chemistry and Physics Bachelor’s degree programs respectively at York College, CUNY. The course requirements for both tracks in the Physical Sciences major will satisfy most of the lower division requirements of most Chemistry and Physics Bachelor’s degree, making the program transferable to four-year colleges both within and outside of CUNY.

The program gives students the solid scientific and mathematical foundation required for advanced coursework in the physical sciences. Both tracks require a year of calculus and one semester of both general chemistry and general physics. The Chemistry Track requires an additional semester of general chemistry and two semesters of organic chemistry. The Physics Track requires students to take an additional year of physics and semester of calculus. The laboratories in the physical science courses familiarize students with techniques and equipment commonly found in both chemistry and physics research laboratories such as titration, acid-base extraction, digital and analog sensor calibration, thin layer chromatography, aspirin synthesis, circuit design and use of multimeters and oscilloscopes. The capstone course integrates the skills learned throughout the introductory course work and requires students to work on independent research projects with more advanced equipment such as light and mass spectrometers, scanning electron microscopes, lasers, and digital oscilloscopes. The program prepares students for transfer to numerous other academic programs besides those in chemistry and physics, including but not limited to physical oceanography, geology, forensic sciences, pharmacology, pharmacy, and many medical and engineering fields. The program’s emphasis on student research and rigorous course work will enable students to transfer seamlessly to these four-year programs.

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

### Physical Sciences: AS Degree

#### PATHWAYS COMMON CORE: 33 CREDITS

<table>
<thead>
<tr>
<th>A. REQUIRED CORE: 13 credits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English:</strong> 6 credits</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:</strong> 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>3</td>
</tr>
<tr>
<td><strong>Life &amp; Physical Sciences:</strong> 4 credits</td>
<td></td>
</tr>
<tr>
<td>SCC201 General Chemistry I</td>
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</table>

<table>
<thead>
<tr>
<th>B. FLEXIBLE CORE: 20 Credits</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Select one course from each of the five flexible core categories AND one additional course from any flexible core category. Note: Students can select only two courses from any one discipline.</td>
<td></td>
</tr>
<tr>
<td>World Cultures and Global Issues</td>
<td>Creative Expression</td>
</tr>
<tr>
<td>US Experience in its Diversity</td>
<td>Individual and Society</td>
</tr>
<tr>
<td><strong>Scientific World –</strong></td>
<td></td>
</tr>
<tr>
<td>MAT200 PreCalculus I</td>
<td>4</td>
</tr>
<tr>
<td>SCP231 General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>Students are advised to select one Urban Study course to complete college requirement.</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

### PROGRAM CORE: 27 CREDITS

| First Year Seminar in Natural Sciences: 2 credits | 2 |
| NSF101 First Year Seminar | 2 |

#### CHEMISTRY TRACK

<table>
<thead>
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<th>Math/Science: 22 credits</th>
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<tbody>
<tr>
<td>MAT201 Calculus I</td>
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<tr>
<td>MAT202 Calculus II</td>
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<tr>
<td>SCC202 General 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>
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</table>

#### PHYSICS TRACK

<table>
<thead>
<tr>
<th>Math/Science: 23 credits</th>
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</tr>
</thead>
<tbody>
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<td>MAT201 Calculus I</td>
<td>4</td>
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<tr>
<td>MAT202 Calculus II</td>
<td>4</td>
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<tr>
<td>MAT203 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>SCP232 General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>SCP233 Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>Unrestricted electives: 2 credits</td>
<td></td>
</tr>
</tbody>
</table>

### Capstone Course: 3 credits

| SCP 211 Research Methods in Physical Sciences | 3 |

### 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.

Physical Therapist Assistant: AAS Degree

PATHWAYS COMMON CORE: 26 CREDITS

This program has a waiver to list 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
MAT 115 College Algebra and Trigonometry
MAT117 Algebra and Trigonometry* (depending on placement scores)
MAT120 Elementary Statistics
MAT119 Statistics with Elementary Algebra* (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
SSY240 Developmental Psychology 3

Select one of the following courses: 3
HUP102 Critical Thinking
HUC106 Public Speaking

** 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, preclinical 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.

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.

continued on next page
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.

**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.

**Notes:**

> 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 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 preceding 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.

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**Practical Nursing Certificate Curriculum**

### Pre-Clinical Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG101 English Composition I*</td>
<td>3</td>
</tr>
<tr>
<td>SSY101 General Psychology*</td>
<td>3</td>
</tr>
<tr>
<td>MAT106 Mathematics of Medical Dosages*</td>
<td>2</td>
</tr>
<tr>
<td>SCB203 Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>SCB204 Human Anatomy &amp; Physiology II</td>
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</tbody>
</table>

### Clinical Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCL101 Fundamentals of Practical Nursing</td>
<td>5</td>
</tr>
<tr>
<td>SCL102 The Science &amp; Art of Nursing I:</td>
<td></td>
</tr>
<tr>
<td>Introduction to Practical Nursing</td>
<td>3</td>
</tr>
<tr>
<td>SCL103 Concepts in Pharmacology &amp; Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>SCL105 Mental Health Nursing-PN</td>
<td>3</td>
</tr>
<tr>
<td>SCL114 Parent-Child Nursing-PN</td>
<td>6</td>
</tr>
<tr>
<td>SCL118 The Science &amp; Art of Nursing II:</td>
<td></td>
</tr>
<tr>
<td>Transition Student to PN</td>
<td>2</td>
</tr>
<tr>
<td>SCL119 Medical-Surgical Nursing-PN</td>
<td>7</td>
</tr>
<tr>
<td>SSY240 Developmental Psychology I</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 48**

* Pre-clinical Key Courses
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.
## 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) 3
- **Mathematical and Quantitative Reasoning: 3 credits**
  - MAT107 Mathematics and the Modern World 3
  - MAT115 College Algebra and Trigonometry (MAT117 Algebra and Trigonometry depending on placement scores) 3
  - MAT120 Elementary Statistics (MAT119 Statistics with Elementary Algebra depending on placement scores) 3
- **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 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. Note: Student can select only two courses from any one discipline.*

### PROGRAM CORE: 30 CREDITS

#### Psychology: 21 credits

- SYF 101 First-Year Seminar for Psychology 3
- SSY101 General Psychology 3
- SSY240 Developmental Psychology I 3
- SSY230 Abnormal Psychology 3
- SSY250 Social Psychology 3

*Select one course from the following:*

- SSY200 Personality 3
- SSY205 Psychology of Gender
- SSY241 Developmental Psychology II

*Select one course from the following:*

- SSN184 Environmental Psychology 3
- SSN280 Urban Black Psychology

#### Social Science: 6 credits

*Select one course from the following:*

- SSA101 Cultural Anthropology 3
- 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
- SSH110 East Asia Civilization and Societies
- SSH231 Afro-American History
- SSH232 Survey of Latin American and Caribbean History

#### Unrestricted electives: 3 credits:

- 3

**TOTAL CREDITS:** 60
The Public & Community Health (PCH) program offered through the Health Sciences Department leads to an Associate of Science Degree. This program was developed with the vision of providing a degree program for students who have an interest in a career in Public or Community Health settings. The PCH program is designed for seamless progression into the upper division baccalaureate programs at CUNY and elsewhere in Community Health Education, Health Administration, Health Science or Public Health.

Public and Community Health:
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 of the following courses: 3
MAT115 College Algebra and Trigonometry
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
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

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. Note: Students can select only two courses from any one discipline.

Students are advised to select SSY101 Psychology from the Scientific World Core. This course is a pre-requisite for SCH215 Social Determinants.

PROGRAM CORE: 30 CREDITS

Health Sciences
HSF 090 Health Sciences First Year Seminar 3
Select one of the following courses: 3
SCH150 Drugs, Society & Human Behavior
SCH210 Human Sexuality
SCD200 Introductory Nutrition

Community Health: 12 credits
SCH160 Health & Wellness 3
SCN194 HIV/AIDS, Science & Society 3
SCN195 Community Health 2
SCN196 Community Health Research 1
SCH285 Health & Diversity 3

Public Health: 12 credits
SCH205 History/Principles of Public Health 3
SCH215 Social Determinants 3
SCH225 Health Behavior Change 3
SCH235 Epidemiology 3

Unrestricted electives: 3 credits: 3

TOTAL CREDITS: 60
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 please view advisement video on website Lagcc.cuny.edu/RT/ or come to room C252.

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

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**Radiology Technology:**

**AAS Degree**

**PATHWAYS COMMON CORE: 20 CREDITS**

**A. REQUIRED CORE: 13 credits**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Mathematical and Quantitative Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>Life and Physical Sciences</td>
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</tr>
</tbody>
</table>

**B. FLEXIBLE CORE: 7 credits**

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

**Scientific World**
SCB204 Human Anatomy and Physiology II 4

**U.S. Experience in its Diversity**
SSN187 Urban Sociology*** 3

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

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**Spanish-English Translation: 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)
- MAT120 Elementary Statistics
- (MAT119 Statistics with Elementary Algebra depending on placement scores)

**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
- SCC102 Chemistry of Photography
- SCP101 Topics in Physics
- SCP105 Life in the Universe
- SCP140 Topics in Astronomy

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**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 for the Flexible Core, students are advised to select courses from the recommended course selections listed in the program handbook.

- World Cultures and Global Issues
- U.S. Experience in its Diversity
- Creative Expression
- Individual and Society
- Scientific World

**PROGRAM CORE: 30 CREDITS**

**LIF101 First Year Seminar for Liberal Arts:**

- Social Science and Humanities 3

**Humanities: 3 credits**

- HUC106 Public Speaking 3

**Social Science: 3 credits**

Select one of the following courses:

- SSA101 Cultural Anthropology 3
- SSA120 People & Cultures of the Caribbean
- SSP101 US Policies & Power

**Education & Language Acquisition: 21 credits**

- ELS200 Latin American Literature I 3
- ELS209 Spanish Grammar and Usage 3
- ELS204 Latin American Civilizations 3
- ELS210 Advanced Spanish Composition 3
- ELL101 Introduction to Language 3
- ENG/ELL110 English Grammar and Syntax 3

Select one of the following courses:

- ELN101 Introduction to Bilingualism 3
- ELN194 The Puerto Rican Community Minority Group Experience
- ELN194 The Puerto Rican Community Minority Group Experience

**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 theater 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.

**Theatre Program: 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) 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 3
  - MAT117 Algebra and Trigonometry (depending on placement scores) 3
  - MAT119 Statistics with Elementary Algebra (depending on placement scores) 3
  - MAT120 Elementary Statistics 3

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

**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 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. Note: Student can select only two courses from any one discipline.*

**PROGRAM CORE: 30 CREDITS**

**Theatre**
- HUT101 Art of Theatre 3
- HUT110 Acting I 3
- HUT111 Acting II 3
- HUT115 Script Analysis 3
- HUT122 Introduction to Design for the Theatre 3
- HUT195 Theatre Production Workshop 3
- HUT210 Theatre: Pre-history to Renaissance 3
- HUT250 Voice and Movement for the Stage 3
- HUT299 Experiential Learning in Theatre 3

*Select one of the following courses:
- HUM201 American Musical Theatre Experience 3
- HUM202 American Musical Theatre Experience II 3
- HUT175 Directing for the Stage 3
- HUT220 Contemporary Latina/o Theatre 3
- HUT230 Acting III 3

**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.

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

* After graduation, students would be able to obtain employment in titles 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.

---

Therapeutic Recreation
AS Degree

PATHWAYS COMMON CORE: 32 CREDITS

A. REQUIRED CORE: 13 credits

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

| Mathematical and Quantitative Reasoning: 3 credits |
| MAT119 Statistics with Elementary Algebra (depending on placement scores) |
| MAT120 Elementary Statistics |

| Life & Physical Sciences: 4 credits |
| SCB203 Human Anatomy & Physiology 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 - Students are encouraged to take SSY240 Developmental Psychology I |
| Scientific World - Students are encouraged to take SCB204 Human Anatomy & Physiology II |

Note: Student can select only two courses from any one discipline.

PROGRAM CORE: 28 CREDITS

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

| Humanities |
| HUP102 Critical Thinking 3 |

| Social Science |
| SSY101 General Psychology 3 |
| SSY230 Abnormal Psychology 3 |
| SSY241 Developmental Psychology II 3 |

| Therapeutic Recreation |
| HTR100 Introduction to Recreation & Leisure 3 |
| HTR101 Introduction to Therapeutic Recreation 3 |
| HTR102 Professional Issues in Therapeutic Recreation 3 |
| HTR200 Therapeutic Recreation and Long Term Care 3 |
| HTR201 Therapeutic Recreation Fieldwork 2 |

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 business 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.

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
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: 9 credits

Select three courses from the flexible core 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
Scientific World
Creative Expression

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: 39 CREDITS

Business and Technology: 16 credits
BTF101 Freshman Seminar for Business 2
BTA111 Principles of Accounting I 3
BTC200 Introduction to Information Systems 3
BTM101 Introduction to Business 3
BTI121 People, Work and Organizations 3
BT1201 Business Internship 2

Travel, Tourism & Hospitality Management Core: 15 credits
BTT101 Introduction to Travel, Tourism and Hospitality Management 3
BTT202 World Travel and Tourism Destinations 3
BTT203 Travel, Tourism and Hospitality Technology Systems 3
BTT212 Customer Service and Sales 3
BTT211 Travel, Tourism and Hospitality Marketing 3

Unrestricted electives: 2 credits

TRAVEL AND TOURISM CONCENTRATION
Select two of the following courses: 6 credits
BTT221 Travel Agency Operations and Management
BTT222 Special Interest Tourism
BTT223 Meeting and Event Planning
BTT224 Destination Tourism Management

HOSPITALITY CONCENTRATION
Select two of the following courses: 6 credits
BTT223 Meeting and Event Planning
BTT231 Hotel and Lodging Operations and Management
BTT232 Front Office Management
SCD114 Culinary Arts I
SCD250 Menu Planning and Production

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.

Please check with the Vet Tech Office for the latest information on specific health requirements for admission to the clinical phase of the program.

Veterinary Technology:
AAS Degree

PATHWAYS COMMON CORE: 19 CREDITS

A. REQUIRED CORE: 10 credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</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>3</td>
</tr>
<tr>
<td></td>
<td>ENG102 Writing through Literature</td>
<td>3</td>
</tr>
<tr>
<td>Life and Physical Sciences</td>
<td>SCC110 Foundations of Chemistry (STEM)*</td>
<td>4</td>
</tr>
</tbody>
</table>

B. FLEXIBLE CORE: 9 credits**

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scientific World</td>
<td>SCB208 Vertebrate Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>US Experience in it's Diversity</td>
<td>SCB260 General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>World Cultures and Global Issues</td>
<td></td>
<td></td>
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<tr>
<td>Creative Expression</td>
<td></td>
<td></td>
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<tr>
<td>Individual and Society</td>
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</tbody>
</table>

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

PROGRAM CORE: 46 CREDITS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Sciences</td>
<td>HSF090 First Year Seminar for Health Sciences</td>
<td>0</td>
</tr>
<tr>
<td>Mathematics, Engineering and Computer Science</td>
<td>MAT106 Medical Math Dosages*</td>
<td>2</td>
</tr>
<tr>
<td>Natural Science</td>
<td>SCB209 Vertebrate Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SCB260 General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Veterinary Technology</td>
<td>SCV101 Introduction to Veterinary Technology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SCV151 Shelter Medicine and Management</td>
<td>2</td>
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<tr>
<td></td>
<td>SCV201 Research Animal Technology</td>
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<tr>
<td></td>
<td>SCV210 Veterinary Nursing I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>SCV211 Veterinary Nursing II</td>
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<tr>
<td></td>
<td>SCV212 Veterinary Radiography</td>
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<tr>
<td></td>
<td>SCV213 Veterinary Laboratory Techniques</td>
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<tr>
<td></td>
<td>SCV214 Farm Animal Nursing</td>
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<tr>
<td></td>
<td>SCV220 Principles of Exotic Animal Medical Care</td>
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<td></td>
<td>SCV231 Vet Tech Internship I</td>
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<td></td>
<td>SCV234 Vet Tech Internship II</td>
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<td></td>
<td>SCV247 Veterinary Pathophysiology</td>
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<tr>
<td></td>
<td>SCV262 Pharmacology &amp; Toxicology</td>
<td>3</td>
</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.

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

### PATHWAYS COMMON CORE: 30 CREDITS

<table>
<thead>
<tr>
<th>English: 6 credits</th>
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</thead>
<tbody>
<tr>
<td>ENG101 English Composition I</td>
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<tr>
<td>ENG102 Writing through Literature</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>Mathematical and Quantitative Reasoning: 3 credits</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT107 Mathematics and the Modern World</td>
<td>3</td>
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<tr>
<td>MAT115 College Algebra and Trigonometry</td>
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<tr>
<td>MAT117 Algebra and Trigonometry (depending on placement scores)</td>
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<tr>
<td>MAT119 Statistics with Elementary Algebra (depending on placement scores)</td>
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</tr>
<tr>
<td>MAT120 Elementary Statistics</td>
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</tbody>
</table>

### Unrestricted electives: 3 credits | 3 |

### Life & Physical Sciences: 3 credits | 3 |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>SCB101 Topics in Biological Sciences</td>
<td>3</td>
</tr>
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<td>SCC102 Chemistry of Photography</td>
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</tr>
<tr>
<td>SCP101 Topics in Physics</td>
<td>3</td>
</tr>
<tr>
<td>SCP105 Life in the Universe</td>
<td>3</td>
</tr>
<tr>
<td>SCP140 Topics in Astronomy</td>
<td></td>
</tr>
</tbody>
</table>

### 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 to complete 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. Note: Student can select only two courses from any one discipline.*

### TOTAL CREDITS: 60

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- 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
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
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

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. Note: Student can select only two 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

**English**

Required Courses
ENGL198 Introduction to Creative Writing 3
ENGL289 Introduction to Literary Studies 3
ENGL295 World Literatures in English 3

**Creative Writing**
Select one course from the following: 3
ENGL271 Poetry Workshop
ENGL274 Creative Non-Fiction Workshop
ENGL276 Fiction Workshop
ENGL277 Creative Writing New Media Workshop

**Genre**
Select one course from the following: 3
ENGL260 The Novel
ENGL265 The Drama
ENGL270 Introduction to Poetry

**Literature Survey**
Select two courses from the following: 6
ENGL290 British Literature I
ENGL291 British Literature II
ENGL292 American Literature I
ENGL293 American Literature II

**Elective**
Select one course from the following: 3
ENGL/ELL110 English Grammar and Syntax
ENGL220 Seminar in Teaching Writing
ENGL225 Afro-American Literature
ENGL235 Cultural Identity in American Literature
ENGL247 The Woman Writer
ENGL248 Latino/Latina Writing in the United States
ENGL261 Literature of Difference
ENGL266 Shakespeare
ENGL269 Contemporary Black American Fiction
ENGL288 Internship
ENGL191 Art, Politics and Protest
ENGL240 Literature of the City

TOTAL CREDITS: 60
The academic courses approved for study at LaGuardia Community College are described in this section. Courses are listed by discipline and department, and are offered every semester unless otherwise indicated.

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>DEPARTMENT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Business and Technology</td>
<td>95</td>
</tr>
<tr>
<td>American Sign Language/Deaf Studies</td>
<td>Education and Language Acquisition</td>
<td>108</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Social Science</td>
<td>176</td>
</tr>
<tr>
<td>Art, Computer</td>
<td>Humanities</td>
<td>154</td>
</tr>
<tr>
<td>Art History</td>
<td>Humanities</td>
<td>153</td>
</tr>
<tr>
<td>Art, Studio</td>
<td>Humanities</td>
<td>157</td>
</tr>
<tr>
<td>Biology</td>
<td>Natural Sciences</td>
<td>172</td>
</tr>
<tr>
<td>Business Administration</td>
<td>Business and Technology</td>
<td>96</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Natural Sciences</td>
<td>173</td>
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<tr>
<td>Communication Studies</td>
<td>Humanities</td>
<td>139</td>
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<tr>
<td>Communication Skills</td>
<td>Education and Language Acquisition</td>
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<tr>
<td>Computer Science</td>
<td>Mathematics, Engineering, and Computer Science</td>
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<tr>
<td>Criminal Justice</td>
<td>Social Science</td>
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<tr>
<td>Dance</td>
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<td>Design</td>
<td>Humanities</td>
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<tr>
<td>Economics</td>
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<td>Education</td>
<td>Education and Language Acquisition</td>
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<td>English, Composition and Writing</td>
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<td>121</td>
</tr>
<tr>
<td>Engineering Science</td>
<td>Mathematics, Engineering, and Computer Science</td>
<td>166</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Natural Sciences</td>
<td>174</td>
</tr>
<tr>
<td>Film and Television</td>
<td>Humanities</td>
<td>155</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>Humanities</td>
<td>152</td>
</tr>
<tr>
<td>Healthcare Management</td>
<td>Business and Technology</td>
<td>98</td>
</tr>
<tr>
<td>History</td>
<td>Social Science</td>
<td>178</td>
</tr>
<tr>
<td>Human Services</td>
<td>Health Sciences</td>
<td>128</td>
</tr>
<tr>
<td>Japanese</td>
<td>Education and Language Acquisition</td>
<td>112</td>
</tr>
<tr>
<td>DISCIPLINE</td>
<td>DEPARTMENT</td>
<td>PAGE</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Liberal Arts Seminars</td>
<td>Liberal Arts</td>
<td>160</td>
</tr>
<tr>
<td>Library</td>
<td>Library Media Resource Center</td>
<td>161</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Mathematics, Engineering, and Computer Science</td>
<td>168</td>
</tr>
<tr>
<td>Modern Languages and Literature</td>
<td>Education and Language Acquisition</td>
<td>108</td>
</tr>
<tr>
<td>Music</td>
<td>Humanities</td>
<td>147</td>
</tr>
<tr>
<td>Music Recording Technology</td>
<td>Humanities</td>
<td>142</td>
</tr>
<tr>
<td>New Media Technology</td>
<td>Humanities</td>
<td>144</td>
</tr>
<tr>
<td>Nursing, Licensed Practical (LPN)</td>
<td>Health Sciences</td>
<td>129</td>
</tr>
<tr>
<td>Nursing, Registered (RN)</td>
<td>Health Sciences</td>
<td>130</td>
</tr>
<tr>
<td>Nutrition and Culinary Management</td>
<td>Health Sciences</td>
<td>125</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>Health Sciences</td>
<td>131</td>
</tr>
<tr>
<td>Paralegal Studies</td>
<td>Business and Technology</td>
<td>99</td>
</tr>
<tr>
<td>Paramedic</td>
<td>Health Sciences</td>
<td>132</td>
</tr>
<tr>
<td>Philosophy and Critical Thinking</td>
<td>Humanities</td>
<td>145</td>
</tr>
<tr>
<td>Photography</td>
<td>Humanities</td>
<td>156</td>
</tr>
<tr>
<td>Physical Sciences</td>
<td>Natural Sciences</td>
<td>175</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>Health Sciences</td>
<td>133</td>
</tr>
<tr>
<td>Political Science</td>
<td>Social Science</td>
<td>180</td>
</tr>
<tr>
<td>Psychology</td>
<td>Social Science</td>
<td>181</td>
</tr>
<tr>
<td>Public and Community Health</td>
<td>Health Sciences</td>
<td>127</td>
</tr>
<tr>
<td>Radiologic Technology</td>
<td>Health Sciences</td>
<td>135</td>
</tr>
<tr>
<td>Sociology</td>
<td>Social Science</td>
<td>183</td>
</tr>
<tr>
<td>Spanish-English Translation</td>
<td>Education and Language Acquisition</td>
<td>114</td>
</tr>
<tr>
<td>Technology</td>
<td>Business and Technology</td>
<td>102</td>
</tr>
<tr>
<td>Theatre</td>
<td>Humanities</td>
<td>151</td>
</tr>
<tr>
<td>Therapeutic Recreation</td>
<td>Health Sciences</td>
<td>137</td>
</tr>
<tr>
<td>Travel, Tourism &amp; Hospitality</td>
<td>Business and Technology</td>
<td>101</td>
</tr>
<tr>
<td>Veterinary Technology</td>
<td>Health Sciences</td>
<td>138</td>
</tr>
<tr>
<td>Women and Gender Studies</td>
<td>Liberal Arts</td>
<td>161</td>
</tr>
</tbody>
</table>

* Note: for Urban Study courses see also individual department offerings.
Articulation Agreements and Memorandums of Understanding

Articulation agreements are formal agreements between colleges and/or universities, typically detailing specific course transfer equivalencies, and other transfer policies, on a program or degree basis. Memorandums of Understanding (MOUs) are also formal agreements between colleges and/or universities dealing with transfer policy or agreements, but are more general in nature and may not include specific course equivalencies or be specific to individual programs or degrees.

CUNY TRANSFER POLICIES

All LaGuardia students who earn an Associate in Arts Degree (AA), an Associate in Science Degree (AS), or an Associate in Applied Science Degree (AAS) have:

- Priority for transfer over non-University students seeking transfer, and
- Priority as matriculated students at a senior CUNY college.

The following policies only apply to students who graduate from LaGuardia with either an AA or AS:

1. LaGuardia AA and AS graduates who transfer within CUNY will be granted a minimum of 60 credits toward a baccalaureate degree and will be deemed to have automatically fulfilled the lower-division liberal arts and science distribution requirements for a baccalaureate degree. However, students may be asked to complete six additional credits in a discipline required by a senior college’s baccalaureate distribution requirement, known as the college option.

2. Students who change their major after they are enrolled in a senior college should expect that completion of their bachelor’s degree may require more than 120 credits.

The following policies only apply to students who graduate from LaGuardia with an AAS degree:

1. Upon transfer to a parallel professional program within CUNY, LaGuardia AAS graduates will be granted a minimum of 60 credits toward a baccalaureate degree and be required to complete only the difference between the 60 credits granted and the total credits normally required for the degree.

2. When transferring to a liberal arts curriculum or related professional program in the same field as the AAS degree program, LaGuardia AAS graduates will be granted a minimum of 60 credits toward a baccalaureate degree and will be able to complete their baccalaureate degree within 60 to 72 credits.

3. Students who change their major after they are enrolled in a senior college should expect that completion of their bachelor’s degree may require more than an additional 72 credits.

It is important to understand that, when transferring without completing a degree, each department at the transfer school will decide how credits are evaluated. Often, courses only transfer as general electives — not as courses fulfilling distribution or major requirements. There are two main ways for students to guard against losing credits in this manner. First, complete your degree. Credits transfer more readily when they are part of a degree. Second, consult early with the Office of Transfer Services and take time to visit the Transfer Services web page. For example, students can gain information on the transfer process by viewing the Transfer Services web page as well as receiving strategic and focused information from Transfer Advisors. They can advise each student whether there is an articulation agreement between LaGuardia and another college that helps students preserve their credits during transfer.

SUNY TRANSFER POLICIES

The State University of New York pledges that “a New York State resident who wishes to transfer from a State University of New York two-year college, including all community colleges throughout the state, and who possesses or will have an Associate in Arts or Associate in Science degree at the time of transfer is guaranteed an opportunity to continue on a full-time basis at a senior campus of the University.” Students with an Associate in Applied Science degree or those who do not graduate are not guaranteed admission. Students are advised to contact LaGuardia’s Office for Transfer Services, or the Admissions Office of the College they wish to attend for specific requirements, and/or view the Transfer Services web page and/or make an appointment with a Transfer Services Advisor to get specific and more personalized information about their transfer needs.

ARTICULATION AGREEMENTS

For our current agreements please visit https://www.laguardia.edu/Admissions/Articulation-Agreements/

TRANSFER TO NON-CUNY OR SUNY COLLEGES

Students who wish to continue their studies after graduating from LaGuardia by transferring to a private institution should select their courses in consultation with an academic advisor and/or faculty advisor. Students should contact LaGuardia’s Office for Transfer Services, and the Admissions Office of the College of their choice for specific requirements and deadlines since the criteria vary from college to college.