**Type:** Co-ed two-year public community college

**Setting:** Suburban/rural

**Founded:** 1959

**Sponsors:** State of New York, County of Suffolk

**Campuses:**
- Ammerman at Selden (opened 1961)
- Eastern at Riverhead (opened 1977)
- Grant at Brentwood (opened 1974)

**Accreditations:**
- Middle States Association of Colleges and Schools
- American Bar Association
- American Dietetic Association
- American Health Information Management Association
- American Occupational Therapy Association
- American Veterinary Medical Association
- Commission on Accreditation in Physical Therapy Education
- National Automotive Education Technical Foundation
- National League for Nursing Accrediting Commission

**Academic Programs:**
- 69 curricula
- 31 sequences and options
- 453 full-time faculty; 1,197 adjunct faculty

**Student Body:**
- Total: 22,450
  - Ammerman: 6,086 full-time, 6,114 part-time, 12,200 total
  - Eastern: 1,070 full-time, 1,748 part-time, 2,818 total
  - Grant: 3,402 full-time, 4,030 part-time, 7,432 total
- Gender: Female 60%; Male 40%
- Age: 18-24, 65%; 25 and over, 35%
- Ethnic: White 70%; Black 6.9%; Hispanic 10.9%; Asian Pacific 2.6%; American Indian .3%; Other 8.5%; Unknown .8%

**Estimated Annual Expenses:**
- Tuition and fees (residents) – $3,152; books and supplies – $850 (as of fall 2003)

**Financial Aid:**
- SCCC awards more than $23 million in federal and state financial aid to more than 9,000 students annually. A tuition payment plan is available.
- 250 SCCC scholarships totaling more than $250,000
- Federal grants and loans: PELL Grants; Supplemental Educational Opportunity Grants (SEOG); College Work Study; Federal Family Education Loan Program (FFELP)
- New York State grants: Tuition Assistance Program (TAP); Aid for Part-Time Study (APTS); State Aid to Native Americans
- Other sources of aid: Vocational and Educational Services for Individuals with Disabilities (VESID); Veterans GI Bill Benefits; Division of Military and Naval Affairs (DMNA) Educational Incentive Program for veterans on reserve status; New York State Department of Labor/Department of Social Services; Employer Tuition Reimbursement Programs

more information on inside back cover
Catalog Volume 40
2004-2006

Established by authority of the State University of New York.
Legally sponsored by the County of Suffolk.

Ammerman Campus
533 College Road
Selden, NY 11784-2899
631-451-4110

Eastern Campus
121 Speonk-Riverhead Road
Riverhead, NY 11901-3499
631-548-2500

Michael J. Grant Campus
Crooked Hill Road
Brentwood, NY 11717-1092
631-851-6700

College Web Site:
http://www.sunysuffolk.edu

Suffolk County Community College is an affirmative action/equal opportunity employer and educator. It does not discriminate on the basis of race, color, national or ethnic origin, citizenship status, religion, sex, age, disability, or veteran or marital status. Compliance office: Executive Assistant to the President, Norman F. Lechtrecker Building, Ammerman Campus, 631-451-4118.
There are so many reasons why Suffolk County Community College is a great place to pursue your education. A community college experience stands as an excellent option for students seeking affordable, quality higher education in small class settings led by faculty with credentials from many of the country’s most acclaimed colleges and universities. Here at SCCC you will have a rewarding collegiate experience, find a true sense of community and discover opportunities to grow both academically and personally.

We offer over 69 degree programs, from liberal arts and business to graphic arts, veterinary science, engineering and technology, health and human services, nursing, education, computer technology and communications, to name only a few. Each member of our distinguished faculty shares a very important trait—a dedication to excellence in teaching. Since class sizes are small, our professors are able to give focused attention to helping their students succeed.

Traditionally many of our graduates continue on to four-year institutions. We have transfer and joint admission agreements with many prestigious four-year schools located locally and around the country. This means you can earn your associate’s degree from Suffolk, then transfer with full credit to a highly rated four-year college or university to pursue your bachelor’s degree. By spending the first two years of your higher education experience here at Suffolk, you’ll receive a quality education while saving thousands of dollars. There is no doubt SCCC provides a practical choice for financially savvy students and their families.

As a comprehensive community college, we see our role as crucial to supporting and enhancing the quality of life here on Long Island. Education is critical for building strong families, vibrant communities and skilled workers. Over a lifetime, graduates with two-year degrees have average earnings of $250,000 more than people without degrees. And students who take non-credit and workforce training courses produce more, earn more, save more and spend more over their lifetimes.

Whether you are starting your education, seeking to advance in your current job, or transitioning into another career, SCCC is your resource for the very best programs, instruction and student support services. Our campus locations in Selden, Riverhead and Brentwood, along with flexible scheduling, will allow you to attend when it’s convenient for you—days, evenings, or even weekends.

Our commitment to excellence translates into a broad range of goals for the college. From enhancing the probability of success for students who need extra support, to maintaining an academically challenging environment for the 400 students currently enrolled in our Honors Program, to working closely with area businesses to meet their current and projected workforce demands, our operating goal is to ensure we are meeting the full spectrum of student needs.

All of this adds up to a value-added proposition worth consideration by every student.

If you have any questions, please call us at 631-451-4000 or visit our Web site at http://www.sunysuffolk.edu. I look forward to seeing your success start here.
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</thead>
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<td><strong>August 24</strong></td>
<td><strong>January 18</strong></td>
</tr>
<tr>
<td>Tuesday</td>
<td>Tuesday</td>
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<tr>
<td><strong>August 30</strong></td>
<td><strong>January 24</strong></td>
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<tr>
<td>Monday</td>
<td>Monday</td>
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<tr>
<td><strong>August 31</strong></td>
<td><strong>January 29-30</strong></td>
</tr>
<tr>
<td>Tuesday</td>
<td>Sat.-Sun.</td>
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<tr>
<td>Day classes begin</td>
<td><strong>January 31</strong></td>
</tr>
<tr>
<td><strong>September 6</strong></td>
<td><strong>February 4</strong></td>
</tr>
<tr>
<td>Monday</td>
<td>Friday</td>
</tr>
<tr>
<td><strong>Labor Day:</strong> no classes</td>
<td><strong>February 21</strong></td>
</tr>
<tr>
<td><strong>September 7</strong></td>
<td><strong>Monday</strong></td>
</tr>
</tbody>
</table>
| Tuesday                         | **Mid-semester: students who**
| Evening classes begin           | submit a course withdrawal   |
| **September 11-12**             | form on or before this date  |
| Sat./Sun.                       | are guaranteed a grade of   |
| **Rosh Hashanah: day classes**  | **“W”**                     |
| **Wednesday**                   | **March 25**                |
| Mid-semester: students who      | **Friday**                  |
| submit a course withdrawal      | Spring recess begins        |
| **September 16**                | **April 2**                 |
| **Thursday**                    | **Monday**                  |
| **Rosh Hashanah: no classes**   | **Classes resume**          |
| **September 17**                | **April 6**                 |
| **Friday**                      | **Wednesday**               |
| **Yom Kippur: day classes**     | **Priority registration for**
| **meet; no evening classes**    | **fall 2005 begins**        |
| **September 24**                | **April 24**                |
| **Friday**                      | **Sunday**                  |
| **Yom Kippur: no classes**      | **Passover: no classes**    |
| **September 25**                | **May 7**                   |
| **Saturday**                    | **Saturday**                |
| **Columbus Day: day classes**   | **Last meeting of Saturday**
| **meet as scheduled; no**       | **classes**                 |
| **October 11**                  | **May 14**                  |
| **Monday**                      | **Saturday**                |
| **Thursday day and evening**    | **Weekend make-up date, if**
| **classes meet instead of**     | **necessary***               |
| **Tuesday day and evening**     | **May 17**                  |
| **classes**                     | **Tuesday**                 |
| **November 2**                  | **Friday day and evening**   |
| **Tuesday**                     | **classes meet instead of**  |
| **Election Day:** Thursday day  | **Tuesday day and evening**  |
| **and evening classes meet**    | **classes; last meeting of** |
| **instead of Tuesday day and**  | **day and evening classes**  |
| **evening classes**             | **May 18-20**               |
| **November 3**                  | **Wed.-Fri.**               |
| **Wednesday**                   | **Make-up dates, if**        |
| **Mid-semester: students who**  | **necessary***               |
| submit a course withdrawal      | **May 22**                  |
| **form on or before this date** | **Sunday**                  |
| are guaranteed a grade of **W** | **Commencement**            |
| **November 8**                  | **First 5-Week Summer**     |
| **Monday**                      | **Fall 2005 Day/Evening**   |
| **Priority registration for**   | **Session 2005**            |
| **spring 2005 begins**          | **May 24**                  |
| **November 11**                 | **Thursday**                |
| **Tuesday**                     | **Late registration period**
| **Veterans Day:** no classes    | **begins***                 |
| **Friday day classes meet; no** | **May 31**                  |
| **evening classes**             | **Tuesday**                 |
| **November 24**                 | **Mid-semester: students who**
| **Wednesday**                   | submit a course withdrawal   |
| **Thanksgiving recess**         | **form on or before this date**
| **Saturday**                    | **are guaranteed a grade of**
| **November 29**                 | **“W”**                     |
| **Monday**                      | **Mid-semester: students who**
| **Classes resume**              | submit a course withdrawal   |
| **Year classes resume**         | **form on or before this date**
| **December 12**                 | **are guaranteed a grade of**
| **Sunday**                      | **“W”**                     |
| **Mid-semester: students who**  | **May 28**                  |
| **submit a course withdrawal**  | **Wednesday**               |
| **form on or before this date** | **Mid-semester: students who**
| **are guaranteed a grade of**   | **submit a course withdrawal**
| **“W”**                         | **form on or before this date**
| **December 18**                 | **are guaranteed a grade of**
| **Saturday**                    | **“W”**                     |
| **Last meeting of Sunday**      | **Mid-semester: students who**
| **classes**                     | **submit a course withdrawal**
| **December 19**                 | **form on or before this date**
| **Sunday**                      | **are guaranteed a grade of**
| **Weekend make-up date, if**    | **“W”**                     |
| **necessary***                   | **August 4**                |
| **December 21**                 | **Thursday**                |
| **Tuesday**                     | **Late meeting of classes**  |
| **Last meeting of day classes** | **8-Week Summer Day/Evening**|
| **December 22**                 | **Session 2005**            |
| **Wednesday**                   | **May 24**                  |
| **Last meeting of evening**     | **Late registration period**
| **classes; make-up date for**   | **begins***                 |
| **day classes, if necessary***  | **May 31**                  |
| **December 23**                 | **Classes begin**           |
| **Thursday**                    | **Mid-semester: students who**
| **Make-up date, if necessary*** | submit a course withdrawal   |
| **Wintersession 2004-2005**     | **form on or before this date**
| **December 20**                 | **are guaranteed a grade of**
| **Monday**                      | **“W”**                     |
| **Late registration period**    | **July 4**                  |
| **begins***                     | **Monday**                  |
| **December 27**                 | **Mid-semester: Independence**
| **Monday**                      | **Day: no classes**         |
| **Classes begin**               | **July 21**                 |
| **January 4**                   | **Last meeting of classes**  |
| **Tuesday**                     | **8-Week Summer Day/Evening**|
| **Mid-semester: students who**  | **Session 2005**            |
| **submit a course withdrawal**  | **May 24**                  |
| **form on or before this date** | **Late registration period**
| **are guaranteed a grade of**   | **begins***                 |
| **“W”**                         | **May 31**                  |
| **January 13**                  | **Classes begin**           |
| **Thursday**                    | **Mid-semester: students who**
| **Last meeting of classes**     | **submit a course withdrawal**
| **Make-up dates, if necessary***| **form on or before this date**
| **January 14-15**               | **are guaranteed a grade of**
| **Fri.-Sat.**                   | **“W”**                     |

* Late registration, accompanied by a late registration fee, begins one week prior to the beginning of each session (day, evening, Saturday/Sunday). The deadline for registration is one day prior to the first meeting of any course.

** Evening classes begin at 4:00 p.m. or later

*** May be required in the event of a campus or collegewide closing during the semester/session
<table>
<thead>
<tr>
<th>Date</th>
<th>Day(s)</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall 2005</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>August 23</td>
<td>Tuesday</td>
<td>Late registration period begins to phase in*</td>
</tr>
<tr>
<td>August 29</td>
<td>Monday</td>
<td>Faculty and department meetings</td>
</tr>
<tr>
<td>August 30</td>
<td>Tuesday</td>
<td>Day classes begin</td>
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<tr>
<td>August 31</td>
<td>Wednesday</td>
<td>Evening classes begin**</td>
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<tr>
<td>September 5</td>
<td>Monday</td>
<td>Labor Day: no classes</td>
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<tr>
<td>September 10-11</td>
<td>Sat./Sun.</td>
<td>Weekend classes begin</td>
</tr>
<tr>
<td>October 3</td>
<td>Monday</td>
<td>Rosh Hashanah: day classes meet; no evening classes</td>
</tr>
<tr>
<td>October 4-5</td>
<td>Tues./Wed.</td>
<td>Yom Kippur: day classes meet; no evening classes</td>
</tr>
<tr>
<td>October 12</td>
<td>Wednesday</td>
<td>Yom Kippur: no classes</td>
</tr>
<tr>
<td>October 13</td>
<td>Thursday</td>
<td>Mid-semester: students who submit a course withdrawal form on or before this date are guaranteed a grade of “W”</td>
</tr>
<tr>
<td>October 31</td>
<td>Monday</td>
<td>Thanksgiving recess begins after last day class; no evening classes</td>
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<tr>
<td>November 7</td>
<td>Monday</td>
<td>Priority registration for spring 2006 begins</td>
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<tr>
<td>November 11</td>
<td>Friday</td>
<td>Veterans Day: no classes</td>
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<tr>
<td>November 22</td>
<td>Tuesday</td>
<td>Friday day classes meet instead of Tuesday day classes; no evening classes</td>
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<tr>
<td>November 23</td>
<td>Wednesday</td>
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<td>December 21</td>
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<td>Last meeting of evening classes</td>
</tr>
<tr>
<td>December 22</td>
<td>Thursday</td>
<td>Last meeting of day classes; evening make-up date, if necessary***</td>
</tr>
<tr>
<td>December 23</td>
<td>Friday</td>
<td>Make-up date, if necessary***</td>
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<tr>
<td><strong>Wintersession 2005-2006</strong></td>
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<tr>
<td>December 20</td>
<td>Tuesday</td>
<td>Late registration period begins*</td>
</tr>
<tr>
<td>December 27</td>
<td>Tuesday</td>
<td>Classes begin</td>
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<tr>
<td>January 2</td>
<td>Monday</td>
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<td>January 4</td>
<td>Wednesday</td>
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<td>January 13</td>
<td>Friday</td>
<td>Last meeting of classes</td>
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<td>January 14</td>
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<td>January 14</td>
<td>Saturday</td>
<td>Late registration period begins to phase in*</td>
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<tr>
<td>January 16-22</td>
<td>Sat.-Sun.</td>
<td>Weekend classes begin</td>
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<tr>
<td>January 23</td>
<td>Monday</td>
<td>Day classes begin</td>
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<td>January 30</td>
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<td>Evening classes begin**</td>
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<td>Monday</td>
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<tr>
<td>March 27</td>
<td>Monday</td>
<td>Priority registration for fall 2006 begins</td>
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<td>April 10</td>
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<td>April 17</td>
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<td>Saturday/Sunday</td>
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<td>May 16</td>
<td>Tuesday</td>
<td>Last meeting of day and evening classes</td>
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<tr>
<td>May 17-19</td>
<td>Wednesday</td>
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<td>May 21</td>
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<td>Commencement</td>
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<td><strong>First 5-Week Summer Day/Evening Session 2006</strong></td>
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<td></td>
</tr>
<tr>
<td>May 23</td>
<td>Tuesday</td>
<td>Late registration period begins *</td>
</tr>
<tr>
<td>May 30</td>
<td>Tuesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>June 14</td>
<td>Wednesday</td>
<td>Mid-semester: students who submit a course withdrawal form on or before this date are guaranteed a grade of “W”</td>
</tr>
<tr>
<td>June 28</td>
<td>Wednesday</td>
<td>Late registration period begins*</td>
</tr>
<tr>
<td>June 29</td>
<td>Thursday</td>
<td>Last meeting of classes</td>
</tr>
<tr>
<td><strong>Second 5-Week Summer Day/Evening Session 2006</strong></td>
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<tr>
<td>July 5</td>
<td>Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>July 20</td>
<td>Thursday</td>
<td>Mid-semester: students who submit a course withdrawal form on or before this date are guaranteed a grade of “W”</td>
</tr>
<tr>
<td>August 4</td>
<td>Friday</td>
<td>Last meeting of classes</td>
</tr>
<tr>
<td><strong>8-Week Summer Day/Evening Session 2006</strong></td>
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<td></td>
</tr>
<tr>
<td>May 23</td>
<td>Tuesday</td>
<td>Late registration period begins*</td>
</tr>
<tr>
<td>May 30</td>
<td>Tuesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>June 26</td>
<td>Monday</td>
<td>Mid-semester: students who submit a course withdrawal form on or before this date are guaranteed a grade of “W”</td>
</tr>
<tr>
<td>July 4</td>
<td>Tuesday</td>
<td>Independence Day: no classes</td>
</tr>
<tr>
<td>July 20</td>
<td>Thursday</td>
<td>Last meeting of classes</td>
</tr>
</tbody>
</table>

* Late registration, accompanied by a late registration fee, begins one week prior to the beginning of each session (day, evening, Saturday/Sunday). The deadline for registration is one day prior to the first meeting of any course.

** Evening classes begin at 4:00 p.m. or later

*** May be required in the event of a campus or collegewide closing during the semester/session
General Information

HISTORY

On December 18, 1959, Suffolk County Community College of the State University of New York was founded under the administration of a nine-member board of trustees, five appointed by the then County Board of Supervisors and four by the Governor of the State of New York.

On October 3, 1960, the college officially opened, occupying temporary facilities at Sachem Junior-Senior High School in Ronkonkoma, New York, as well as part-time facilities at Riverhead High School in Riverhead. Initial enrollment included 171 full-time students and 335 part-time students.

As the college began to grow, the Board of Supervisors of Suffolk County provided a 130-acre site in Selden for a permanent campus. Six buildings on the site were renovated and converted, equipment necessary for the operation of the college was obtained, and in August 1961 the college occupied what was later to be known as the Ammerman Campus in Selden, renamed in honor of the college’s founding president, Dr. Albert M. Ammerman. The second year of operation opened with over 1400 full- and part-time students. In June 1962 the college held its first commencement exercises, at which 42 graduates received associate degrees. Two other permanent campuses were opened — the Michael J. Grant Campus in Brentwood in 1974 and the Eastern Campus in Riverhead in 1977.

Today, the Ammerman Campus encompasses 156 acres and has 14 academic, administrative and auxiliary buildings.

The Michael J. Grant Campus occupies a site of 207 acres with 13 academic, administrative and auxiliary buildings, including a 95,000-square-foot building which houses classrooms, laboratories, the library and a theatre. A 250,000-square-foot complex, which houses the Suffolk County Police Academy, a pool, field house, fitness center and health technology wing, opened in 2000.

Recognizing the importance of expanding its ability to meet the local business community’s growing need for cost-effective workforce training programs, the college opened a satellite facility for corporate training in 1985. Located on the Grant Campus, the Sally Ann Slacke Corporate Training Center continues to provide a wide array of customized workforce and professional development training for the region’s business sector, not-for-profit organizations and public agencies.

The Eastern Campus, located on a 192-acre site in the Pine Barrens of eastern Long Island, comprises five academic buildings, a state-of-the-art greenhouse and two auxiliary buildings.

Suffolk County Community College is currently the largest community college in the State University of New York (SUNY) system,
enrolling 22,450 students. It offers 69 degree and certificate programs in business; communications and the arts; computing; health, community and human services; liberal arts/university parallel; and technical, scientific and engineering studies. The original full-time faculty of fewer than a dozen has grown to more than 450. By 2003 the college had graduated more than 75,000 persons. In addition, SCCC is one of the leading community colleges in the nation in producing Phi Theta Kappa Academic All-Americans.

Each year Suffolk County Community College prepares students to enter the work force upon graduation in such marketable areas as medical records, opticianry, physical therapist assistant, paralegal, nursing, culinary arts and many other fields. Other students transfer to four-year colleges and universities to complete their baccalaureate degree. Suffolk graduates have gone on to study at such institutions as Columbia, Harvard, Cornell, New York University and the University of North Carolina at Chapel Hill, as well as the State University of New York.

STATE UNIVERSITY OF NEW YORK (SUNY)

Suffolk County Community College is a two-year unit of the State University of New York (SUNY).

SUNY’s 64 statewide campuses bring educational opportunity within commuting distance of virtually all New York citizens and comprise the nation’s largest, centrally managed system of public higher education.

When founded in 1948, SUNY consolidated 29 state-operated, but unaffiliated, institutions. Since then, SUNY has grown to a point where its impact is felt educationally, culturally and economically throughout the state. SUNY offers 6,650 degree and certificate programs at its 64 campuses. Certificate and degree opportunities range from one-year certificates of completion and two-year associate degree programs to doctoral studies offered at 12 senior campuses.

Two-year colleges are the largest branch of higher education, currently enrolling a majority of all first-time college students.

The 30 two-year community colleges operating under the SUNY program play a unique role in the expansion of educational opportunity by:

- providing local industry and trained technicians in a wide variety of occupational curricula
- providing transfer options to students who wish to go on and earn advanced degrees, and
- providing the community with yet another source for technical and professional upgrading as well as personal enrichment.

SUNY is governed by a board of trustees, appointed by the governor, which directly determines the policies to be followed by the 34 state-supported campuses. Community colleges have their own local boards of trustees whose relationship to the SUNY board is defined by law. The state contributes one-third to 40 per cent of their operating cost and one-half of their capital costs.

The State University motto is: “To Learn – To Search – To Serve.”

MISSION

Background

Suffolk County Community College was established and is sponsored by the County of Suffolk, pursuant to the provisions of New York State Education Law, and operates under the policies of the Board of Regents and the supervision of the State University of New York.

Spread over an extensive geographic area with water on three sides, Suffolk County encompasses rural and urban lifestyles and a variety of economies that include farming and high technology. The county is home to a wide variety of socioeconomic and ethnic groups.

College Philosophy

Suffolk County Community College is guided by the philosophy that all students should have the opportunity to realize their highest potential for individual human development – intellectually, socially, culturally, physically and personally. The college believes in encouraging students to come to an understanding of themselves, their society, the physical world, and the lifelong nature of learning itself, and to act upon that understanding and enjoy an enlightened and fulfilling life.

Commitments

In order to accomplish this mission, the college has established comprehensive educational services with the following commitments. A program of institutional assessment will lead to periodic reviews of these commitments and to the ordering of them among the college’s priorities.
A. General

1. To offer programs and services that fulfill the educational needs of the residents of Suffolk County.

2. To provide access without regard to race, color, creed, gender, age, marital status, sexual orientation, national origin or disability, and to encourage those students who might otherwise be unable to pursue a college education.

3. To assure financial access to the residents of Suffolk County through reasonable tuition charges and through institutionally sponsored fund raising efforts in support of both merit and need-based scholarships.

4. To provide appropriate learning resource instructional programs and resources designed to support the curricula and to encourage student research projects and personal interests.

5. To provide comprehensive student services designed to enhance the college’s cultural, social and aesthetic environment in ways that support the growth and development of all its members.

6. To maintain a program of professional development for administrators, faculty and staff.

7. To encourage applied research that identifies ways to enhance and enrich the teaching-learning environment.

8. To offer programs and services that respond to the ever-changing needs of business, government and community organizations and to support economic development activities in Suffolk County.

9. To provide educational experiences in physical settings and with state-of-the-art equipment that is conducive to student achievement, and to assure full compliance with the Americans with Disabilities Act (ADA).

B. Degree/Certificate Programs

1. To structure the curricula of the college so that each program includes courses which
   • develop oral and written communication skills;
   • encourage thinking skills and creativity;
   • foster appreciation for scientific methodology;
   • promote an understanding of self, nature and society and its historical context, and a heightened awareness of personal, social and aesthetic values;
   • enhance occupational skills; and
   • encourage physical fitness.

2. To provide associate degree programs designed to serve students who wish to transfer to a four-year college or university.

3. To offer occupational and/or vocational associate degree programs that prepare students for immediate employment.

4. To offer certificate programs designed to serve students who wish to learn new skills or upgrade current skills.

5. To offer developmental and basic skills programs which enable students to achieve the proficiency required to succeed in a collegiate environment.

6. To provide a range of academic experiences to challenge students at various stages of intellectual development.

C. Community Service/Continuing Education

1. To provide lifelong educational experiences for county residents related to their job development, leisure activities, civic responsibilities and physical well-being.

2. To provide public service activities including workshops, community forums and cultural enrichment programs.

3. To cooperate with other community/governmental agencies to enhance the quality of life in Suffolk County.

4. To serve as a social, intellectual and recreational resource to Suffolk County residents.

Campus Role and Scope

Each campus serves the educational needs of its respective geographic area within the county, offering unique programs when and where appropriate. Together the three campuses and the Sally Ann Slacke Corporate Training Center provide those programs which fulfill the commitments of the college and serve the educational needs of the entire county.

PROFESSIONAL ASSOCIATIONS

Suffolk County Community College is a member of the American Association of Community Colleges, American Association of Collegiate Registrars and Admissions Officers, Community College General Education Association, National Junior College Athletic Association, and other professional organizations. Members of its faculty and administration are active participants in many learned and professional societies. Faculty are regular contributors to professional journals and are active participants in professional organizations and conferences.
ACCREDITATIONS

Suffolk County Community College curricula are registered by the New York State Department of Education. The college is authorized to award the Associate in Arts degree, the Associate in Science degree and the Associate in Applied Science degree as established by the Board of Regents of the University of the State of New York, as well as the one-year Certificate of Completion.

Suffolk County Community College is fully accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, (215) 662-5606. The college is a member of this association.

INDIVIDUAL CURRICULA ARE ACCREDITED AS FOLLOWS:

Ammerman Campus

Automotive Service Specialist A.A.S. degree curriculum: certified by the National Automotive Education Technical Foundation.

Nursing A.A.S. degree curriculum: accredited by the National League for Nursing Accrediting Commission.

Paralegal Studies A.A.S. degree and certificate program: approved by the American Bar Association.

Physical Therapist Assistant A.A.S. degree curriculum: accredited by the Commission on Accreditation in Physical Therapy Education.

Eastern Campus

Dietetic Technician A.A.S. degree curriculum: accredited by the Commission on Accreditation/Approval for Dietetics Education (CAADE) of the American Dietetic Association.

Grant Campus

Health Information Technology/Medical Records A.A.S. degree curriculum: accredited by the Commission on Accreditation of Allied Health Education Programs in cooperation with the Council on Accreditation of the American Health Information Management Association.

Nursing A.A.S. degree curriculum: accredited by the National League for Nursing Accrediting Commission.

Occupational Therapy Assistant A.A.S. degree curriculum: accredited by the Accreditation Council for Occupational Therapy Education of the American Occupational Therapy Association.

Paralegal Studies A.A.S. degree and certificate program: approved by the American Bar Association.

Veterinary Science Technology A.A.S. degree curriculum: accredited by the American Veterinary Medical Association’s Committee on Veterinary Technician Education and Activities.

LIBRARIES

Library information resources, instruction and services are available at each campus. Among the campus libraries are book collections totaling 211,000 volumes with 659 unique periodical titles. In addition, a wide assortment of audiovisual and electronic materials are available to support classroom and individual learning needs.

Library faculty are available in reference to assist students with their research projects and classroom assignments. Students are taught various search strategies and critical thinking skills which promote information literacy. A major goal is to help students gain proficiency in accessing, using and evaluating information. The three libraries offer students a one-and-a-half-credit course entitled “Research Essentials: The Library and the Internet” (LR11). In addition, the library offers a three-credit course online entitled “Library Research Methods” (LR15). A description of the content of these courses can be found under “Library Research” in the Courses section of this catalog.

Available are intercampus and interlibrary loan services which give students and faculty access to the varied resources within the college, on Long Island, in the state and beyond. The college libraries also participate in the State University of New York Open Access system which allows students and faculty in-person borrowing privileges at any SUNY campus library in the state.

The three campus libraries of Suffolk County Community College provide access to their college-wide library holdings through an online catalog named SCORE (Suffolk College Online Retrieval). SCORE is part of a SUNY-wide library automation initiative which includes, in addition to Suffolk collections, the collections of the following SUNY schools: College of Technology at Farmingdale, Fashion Institute of Technology, Maritime College, Nassau Community College, Old Westbury, Rockland Community College, State College
of Optometry and Purchase. The library also has recently implemented a new SUNY-wide library automated system called Aleph.

The automated library system operates on SUNYnet, the SUNY telecommunications network, which in turn provides the college with access to the Internet for worldwide information access and scholarly communication.

Library hours vary somewhat on each campus. For specific information on library hours, telephone 631-451-4170 (Ammerman), 631-548-2536 (Eastern) or 631-851-6740 (Grant).

ACADEMIC COMPUTING

Academic computing labs are established at each of the campuses to provide a full range of computing services to students. They are staffed by computer professionals and student assistants who are available to assist lab users. Each facility contains an open lab for general student use as well as classroom space for instruction. In addition, each lab has a software library which contains the most current and relevant commercial software. Software for drill and practice, tutorials and simulations is also available, as well as software used or taught in the classroom.

On the Ammerman Campus, the lab is located on the lower level of the Huntington Library and consists of five rooms used as open labs and classrooms with Windows-PC and Macintosh computers. The lab also houses laser and inkjet printers, optical text and graphic scanners and aids for the physically handicapped. The lab is open six days and four evenings a week, excluding holidays and breaks in the semester when a reduced schedule is in effect.

The Eastern Campus computer classrooms and open lab are located on the second floor of the Orient Building. Two classrooms are equipped with Power Macintosh workstations and are used primarily for the graphic design curriculum. There are three Windows-PC classrooms which serve the computing needs of the business and accounting programs. The open lab is equipped with both Windows-PC and Macintosh computers for general student and faculty use. The open lab is generally available Monday-Friday from 8:00 a.m. to 10:00 p.m. and on Saturday from 9:00 a.m. to 2:00 p.m. when classes are in session. A reduced schedule is in effect during the summer and semester breaks.

There are two academic computing labs on the Grant Campus. The Sagtikos computer center with over 80 computers is located within the library in the Sagtikos Building. The newest lab is located in the Health, Sports and Education Building and offers 32 computers for student use. Both labs offer a Windows XP environment that is fully networked and provide an open lab as well as instructional and administrative services. The open lab is available to students from every curriculum for a myriad of uses including word processing, Internet connections and E-mail. Both labs are open Monday through Friday; the Sagtikos computer lab also offers Saturday and Sunday hours.
CAMPUS LOCATIONS, MAPS, FACILITIES AND TELEPHONE NUMBERS

CENTRAL ADMINISTRATION
533 College Road
Selden, NY 11784-2899

ADMINISTRATIVE OFFICES (area code is 631)
(located on the Ammerman Campus unless noted otherwise)

General Information .......................... 451-4110
Admissions .................................. 451-4000
Adult Learner Programs ....................... 451-4696
Alumni Association .......................... 451-4630
Associate Vice Presidents
Campus Affairs ................................. 451-4110
Curriculum and Instruction .................. 451-4101
Student Affairs ................................ 451-4737
Board of Trustees ............................. 451-4950
College Associate Deans
Academic Administrative
Services .................................. 451-4311
Business and Commercial
Technologies ................................. 451-4259
Computer Science, Engineering
and Industrial Technologies* .......... 548-2670
Health, Education and
Human Services** ......................... 851-6761
Instructional Technology .................... 451-4588
Liberal Arts ................................ 451-4143
Library and Learning
Resources .................................. 451-4172
Mathematics and Natural
Sciences ................................... 451-4110
Professional Programming
and Development** ....................... 851-6769
Visual and Performing Arts** .......... 851-6736
College Association ......................... 732-1617
College Foundation ......................... 451-4846
Compliance Office .......................... 451-4705
Computer and Information
Systems .................................. 451-4205
Computer Center ........................... 451-4282
Continuing Education (non-credit
courses and programs) ..................... 451-4892
Corporate Training Center** ............ 851-6200
Credit for Prior Learning ................... 451-4696
(life experience)

Distance Learning/Online Courses .... 451-4656
Educational Opportunity
Program (LOP) ............................ 451-4356
Employee Resources ....................... 451-4207
Employment, Central Positions ......... 451-4200
English as a Second
Language (ESL)** ....................... 851-6884
Executive Assistant to the President . 451-4118
Facilities ................................ 451-4743
Faculty Association ......................... 451-4151
Financial Affairs ........................... 451-4236
Financial Aid ............................... 451-4108
Gifts and Donations ......................... 451-4846
Graduation ................................ 451-4011
Grants .................................. 451-4862
Honors Program ............................ 451-4778
Institutional Research ....................... 451-4214
Library Services ........................... 451-4172
Payroll .................................. 451-4206
Personnel ................................ 451-4207
President ................................ 451-4112
Publications ............................... 451-4115
Purchasing and Accounts Payable .... 451-4230
Registrar ................................ 451-4020
Security and Fire Safety ................. 451-4212
Sexual Harassment ......................... 451-4705
Transcripts ............................... 451-4012
Transfer Credit Evaluation .............. 451-4035
Vice Presidents
Academic and Student Affairs .......... 451-4244
Financial Affairs ......................... 451-4231
Institutional Advancement ............... 451-4846
Legal, Planning and
Information Services ...................... 451-4235
Workforce and Economic
Development ........................... 451-4776

Note: See the DIRECTORY OF COLLEGE SERVICES
on pages 355-356 for additional phone numbers.
### AMMERMAN CAMPUS ADMINISTRATIVE OFFICES
(area code is 631)

<table>
<thead>
<tr>
<th>General Information</th>
<th>451-4110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus Dean</td>
<td>451-4074</td>
</tr>
<tr>
<td>Associate Dean of Faculty</td>
<td>451-4091</td>
</tr>
<tr>
<td>Assistant Dean of Faculty</td>
<td>451-4330</td>
</tr>
<tr>
<td>Dean of Student Services</td>
<td>451-4043</td>
</tr>
<tr>
<td>Associate Dean of Student Services</td>
<td>451-4044</td>
</tr>
<tr>
<td>College Associate Dean for Business and Commercial Technologies</td>
<td>451-4311</td>
</tr>
<tr>
<td>College Associate Dean for Liberal Arts</td>
<td>451-4143</td>
</tr>
<tr>
<td>College Associate Dean for Library and Learning Resources/Head Librarian</td>
<td>451-4173</td>
</tr>
<tr>
<td>Administrative Director of Business Affairs</td>
<td>451-4079</td>
</tr>
</tbody>
</table>

### AMMERMAN CAMPUS ACADEMIC OFFICES
(area code is 631)

| Accounting/Business Administration/Automotive Technology | 451-4211 |
| Biology | 451-4300 |
| Communications | 451-4147 |
| Computer Science/Information Technology | 451-4274 |
| Cooperative Education | 451-4760 |
| Criminal Justice | 451-4336 |
| Education, Health and Human Services | 451-4299 |
| Engineering/Industrial Arts | 451-4299 |

Note: See the DIRECTORY OF COLLEGE SERVICES on pages 355-356 for additional phone numbers.
AMMERMAN CAMPUS, SELDEN:
Take the Long Island Expressway (I-495) to Exit 62 (Nicolls Road). Go north on Nicolls Road 1 mile to campus entrance on right.

The Ammerman Campus is served by the following Suffolk County Transit bus routes: S-58, S-63, S-71, 6A, 6B.


**EASTERN CAMPUS**
121 Speonk-Riverhead Road
Riverhead, NY 11901-3499

C Minipoka Building
E Energy Plant
G Greenhouse
M Montaukett Building
O Orient Building
P Peconic Building
S Shinnecock Building and Public Safety
I-7 Parking Fields

**EASTERN CAMPUS ADMINISTRATIVE OFFICES**
(area code is 631)

General Information ............... 548-2500
Campus Dean ....................... 548-2564
Associate Dean of Student Services ......................... 548-2514
College Associate Dean for Computer Science, Engineering and Industrial Technologies ........ 548-2670
Assistant Dean of Faculty for Humanities .................... 548-2578
Assistant Dean of Faculty for Social Science and Business ........ 548-2586
Campus Head Librarian ................ 548-2540
Educational Technology Unit ........ 548-2594

Note: See the DIRECTORY OF COLLEGE SERVICES on pages 355-356 for additional phone numbers.

**EASTERN CAMPUS, RIVERHEAD:**

From the west, using Long Island Expressway (Rt. I-495): Go to Exit 70. Take County Road 111 south 4 miles to County Road 51. After traveling north on County Road 51 for 3½ miles, turn right onto Speonk-Riverhead Road to campus entrance on right.

From the west, using Sunrise Highway (Rt. 27): Go to Exit 61. Take County Road 51 north 4 miles to Speonk-Riverhead Road. Turn right onto Speonk-Riverhead Road to campus entrance on right.

From the east on the North Fork: Follow Rt. 25 west to downtown Riverhead. At Peconic Avenue, turn left and go ½ mile to the traffic circle. Take the first right (Rt. 24) off the traffic circle and go ½ mile to the County Center at Rt. 51. Turn left onto Rt. 51 and go south 3 miles to Speonk-Riverhead Road. Turn left onto Speonk-Riverhead Road to campus entrance on right.

From the east on the South Fork: Follow Rt. 27 (Sunrise Highway) west to Rt. 24 at Hampton Bays. Go north on Rt. 24 approximately 7 miles, past the traffic circle, to Rt. 51. Turn left onto Rt. 51 and go south 3 miles to Speonk-Riverhead Road. Turn left onto Speonk-Riverhead Road to campus entrance on right.

The Eastern Campus is served by the following Suffolk County Transit bus routes: S-66 and 8A; by transfer at Riverhead: S-58, S-62, S-90, S-92.
GRANT CAMPUS, BRENTWOOD:
Take the Long Island Expressway to Exit 53. Follow signs to Wicks Road. Go south ½ mile on Wicks Road to campus entrance on right.

The Grant Campus is served by the following Suffolk County Transit bus routes: S-33, S-41, 3A.
SCCC Alumni Profile

Andrew J. Brown III, Class of 1992
Teacher

Andrew loves teaching. Whenever one of his former students from O’Neill Elementary School in Central Islip comes back to thank him, he says it is a “Wow!” experience. He also says this would not be happening without his SCCC education.

After playing high school football at Central Islip High School, Andrew wanted a career in physical therapy when he graduated. Instead, in a “collaborative move” with his mother, he decided to teach physical education so he could give something back to the Central Islip community. He enrolled at SCCC in the Educational Opportunity Program, which brought him together with other students with his same background, and graduated with a 3.2 GPA.

When Andrew transferred to Delaware State University, he learned just how well SCCC had prepared him to earn a bachelor’s degree. “Suffolk taught me how much work it takes to succeed in college,” he said. “It strengthened my weaknesses and strengthened my strengths.” He credits the SCCC faculty with being both friendly and demanding enough to help students become their best.

In 2001 Andrew earned a master’s degree from Stony Brook University and is currently working on a second one in school district administration. In addition to teaching health and physical education on the K-6 level at O’Neill Elementary, he coaches football at Central Islip High School.

“Attending Suffolk County Community College was a great experience,” says Andrew. “For students who are uncertain about what they want to do or are not ready for a four-year college, Suffolk is a much better alternative than going to work. In fact, my own children will be going there.”
## PROGRAMS OF STUDY/CURRICULA

<table>
<thead>
<tr>
<th>Degree</th>
<th>Curriculum</th>
<th>Campus</th>
<th>Code</th>
<th>Day/ Evening</th>
<th>Minimum Requirements for Entering Students</th>
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<tbody>
<tr>
<td>AAS</td>
<td>Accounting (Career Option)</td>
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<td>AAS</td>
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<td>A</td>
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<td></td>
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<td>341-2</td>
<td>EVE</td>
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<td>AAS</td>
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<td>369-2</td>
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<td>G</td>
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</table>

* Curriculum begins only in September
** Completion of this program leads to either a BA or BS in Biology
*** Completion of this program leads to either a BA or BS in Mathematics
† Some courses need to be taken at another campus
‡ Curriculum begins only in January
1 Suffolk County residents are given preference
2 Preference given to applications received by January 1
3 Students not fully meeting the admission criteria for this curriculum may be admitted on a provisional basis
4 Recommended for students who have not yet decided on a program of study
5 Preference given to applications received by June 1

Campus Codes:
A = Ammerman Campus
E = Eastern Campus
G = Grant Campus

continued on next page
<table>
<thead>
<tr>
<th>Degree</th>
<th>Curriculum</th>
<th>Campus</th>
<th>Code</th>
<th>Day/Evening</th>
<th>Minimum Requirements for Entering Students</th>
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<tr>
<td>Cert</td>
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<td>AA</td>
<td>Communications and Media Arts: Journalism</td>
<td>A</td>
<td></td>
<td>111-1</td>
<td>DAY</td>
</tr>
<tr>
<td>AAS</td>
<td>Computer Art</td>
<td>E</td>
<td></td>
<td>364-1</td>
<td>BOTH</td>
</tr>
<tr>
<td>AS</td>
<td>Computer Science</td>
<td>A</td>
<td></td>
<td>203-1</td>
<td>BOTH</td>
</tr>
<tr>
<td>AS</td>
<td>Criminal Justice Direct Entry From Police Academy</td>
<td>A</td>
<td>E</td>
<td>211-1</td>
<td>BOTH</td>
</tr>
<tr>
<td>Cert</td>
<td>Criminal Justice: Police Administration</td>
<td>G</td>
<td></td>
<td>431-1</td>
<td>Police Academy students only</td>
</tr>
<tr>
<td>AAS</td>
<td>Culinary Arts</td>
<td>E</td>
<td></td>
<td>394-1</td>
<td>DAY</td>
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<tr>
<td>AAS</td>
<td>Dietetic Technician</td>
<td>E</td>
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<td>320-1</td>
<td>DAY</td>
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<tr>
<td>AAS</td>
<td>Early Childhood Education</td>
<td>A</td>
<td>E</td>
<td>330-1</td>
<td>BOTH</td>
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<tr>
<td>Cert</td>
<td>Engineering &amp; Technology: Computer-Assisted Drafting (CAD)*3</td>
<td>A</td>
<td></td>
<td>402-1</td>
<td>BOTH</td>
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<tr>
<td>AAS</td>
<td>Engineering &amp; Technology: Construction Technology Architectural Technology³</td>
<td>A</td>
<td></td>
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<tr>
<td>AAS</td>
<td>Engineering &amp; Technology: Electrical Engineering Technology³</td>
<td>A</td>
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<tr>
<td>AAS</td>
<td>Engineering &amp; Technology: Telecommunications Technology Verizon Option*</td>
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<td>Cert</td>
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<td>AAS</td>
<td>Fire Protection Technology</td>
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<td>AS</td>
<td>Fitness Specialist</td>
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<td>AAS</td>
<td>Graphic Design</td>
<td>E</td>
<td></td>
<td>365-1</td>
<td>DAY</td>
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</table>

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<thead>
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<th>Code</th>
<th>Day/Evening</th>
<th>Minimum Requirements for Entering Students</th>
</tr>
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<tbody>
<tr>
<td>AAS</td>
<td>Health Information Technology/Medical Records*2,3</td>
<td>G</td>
<td>349-1</td>
<td>EVE</td>
<td>Math A; laboratory chemistry; 80 H.S. average</td>
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<td>AAS</td>
<td>Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R)*</td>
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<td>395-1</td>
<td>EVE</td>
<td>Math A or MA07 at SCCC; admitted in even-numbered years only</td>
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<td>Cert</td>
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<td>EVE</td>
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<td>Cert</td>
<td>Help Desk I</td>
<td>A</td>
<td>438-1</td>
<td>BOTH</td>
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<tr>
<td>Cert</td>
<td>Help Desk II</td>
<td>A</td>
<td>439-1</td>
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<td>AAS</td>
<td>Horticulture</td>
<td>E</td>
<td>367-1</td>
<td>DAY</td>
<td>80 H.S. average; 2.8 GPA for students already enrolled in college; interview</td>
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<tr>
<td>Cert</td>
<td>Horticulture</td>
<td>E</td>
<td>414-1</td>
<td>DAY</td>
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<tr>
<td>AS</td>
<td>Human Services (preparation for Social Work)</td>
<td>A</td>
<td>212-1</td>
<td>DAY</td>
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<tr>
<td>AAS</td>
<td>Information Technology: Network Design and Administration Option</td>
<td>A</td>
<td>392-1</td>
<td>BOTH</td>
<td>75 H.S. average</td>
</tr>
<tr>
<td></td>
<td>Computer Information Systems Option</td>
<td>A</td>
<td>392-2</td>
<td>BOTH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Internet/Web Development Option</td>
<td>A</td>
<td>392-3</td>
<td>BOTH</td>
<td></td>
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<tr>
<td>Cert</td>
<td>Information Technology: Network Design and Administration Option</td>
<td>A</td>
<td>440-1</td>
<td>BOTH</td>
<td>75 H.S. average</td>
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<td>Computer Information Systems Option</td>
<td>A</td>
<td>440-2</td>
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<tr>
<td></td>
<td>Internet/Web Development Option</td>
<td>A</td>
<td>440-3</td>
<td>BOTH</td>
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<tr>
<td>AAS</td>
<td>Interior Design Assistant*</td>
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<td>329-1</td>
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<td>AA</td>
<td>Liberal Arts and Sciences–Adolescence Education/Biology** (joint program with St. Joseph's College)</td>
<td>A</td>
<td>113-1</td>
<td>BOTH</td>
<td>Regents Diploma; 80 H.S. average; Math A and B and Precalculus</td>
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<tr>
<td>AA</td>
<td>Liberal Arts and Sciences–Adolescence Education/English (joint program with St. Joseph's College)</td>
<td>A</td>
<td>115-1</td>
<td>BOTH</td>
<td>Regents Diploma; 80 H.S. average</td>
</tr>
</tbody>
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</thead>
<tbody>
<tr>
<td>AA</td>
<td>Liberal Arts and Sciences–Adolescence Education/History (joint program with St. Joseph's College)</td>
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<td>116-1</td>
<td>BOTH</td>
<td>Regents Diploma; 80 H.S. average</td>
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<tr>
<td>AA</td>
<td>Liberal Arts and Sciences–Adolescence Education/Mathematics*** (joint program with St. Joseph's College)</td>
<td>A E G</td>
<td>117-1 (B.A.) 118-1 (B.S.)</td>
<td>BOTH</td>
<td>Regents Diploma; 80 H.S. average; Math A and B</td>
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<td>AA</td>
<td>Liberal Arts and Sciences–Education (Child Study) Emphasis (joint program with St. Joseph's College)</td>
<td>A E G</td>
<td>112-1</td>
<td>BOTH</td>
<td>Regents Diploma; minimum 80 H.S. average</td>
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<tr>
<td>AA</td>
<td>Liberal Arts and Sciences General Studies Emphasis⁴</td>
<td>A E G</td>
<td>103-1</td>
<td>BOTH</td>
<td>80 H.S. average</td>
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<tr>
<td>AA</td>
<td>Liberal Arts and Sciences–Humanities Emphasis³</td>
<td>Cinema Studies Option</td>
<td>A</td>
<td>100-2</td>
<td>BOTH</td>
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<tr>
<td></td>
<td></td>
<td>Communications Option</td>
<td>A</td>
<td>100-4</td>
<td>BOTH</td>
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<td></td>
<td>English Option</td>
<td>A</td>
<td>100-1</td>
<td>BOTH</td>
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<td></td>
<td></td>
<td>Foreign Language</td>
<td>A</td>
<td>100-5</td>
<td>BOTH</td>
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<td>Philosophy Option</td>
<td>A</td>
<td>100-3</td>
<td>BOTH</td>
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<td>AA</td>
<td>Liberal Arts &amp; Sciences–International Studies Emphasis³</td>
<td>Business Option</td>
<td>A E G</td>
<td>110-1</td>
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<td></td>
<td></td>
<td>Humanities Option</td>
<td>A E G</td>
<td>110-2</td>
<td>BOTH</td>
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<tr>
<td></td>
<td></td>
<td>Social Science Option</td>
<td>A E G</td>
<td>110-3</td>
<td>BOTH</td>
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<td>AA</td>
<td>Liberal Arts and Sciences–Mathematics Emphasis³</td>
<td>A</td>
<td>102-1</td>
<td>BOTH</td>
<td>4 years of math including Math 12; 80 H.S. average</td>
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<td>AS</td>
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<td>Biology Option</td>
<td>A E† G†</td>
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<td>Environmental Science/Forestry Option</td>
<td>A E† G†</td>
<td>200-2</td>
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<td>Chemistry Option</td>
<td>A</td>
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<td>Earth and Space Science Option/Astronomy Sequence</td>
<td>A</td>
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<td>BOTH</td>
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<td>A</td>
<td>200-5</td>
<td>BOTH</td>
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<td>Earth and Space Science Option/Geology Sequence</td>
<td>A</td>
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<td>Earth and Space Science Option/Meteorology Sequence</td>
<td>A</td>
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<td>Biotechnology Option</td>
<td>A</td>
<td>200-8</td>
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</table>

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<th>Degree</th>
<th>Curriculum</th>
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<th>Day/Evening</th>
<th>Minimum Requirements for Entering Students</th>
</tr>
</thead>
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<tr>
<td>AA</td>
<td>Liberal Arts and Sciences–Social Science Emphasis ³</td>
<td>A E G</td>
<td>101-1</td>
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<td>Math A; 80 H.S. average</td>
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<tr>
<td></td>
<td>Psychology Option</td>
<td>A E G</td>
<td>101-2</td>
<td>BOTH</td>
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<tr>
<td></td>
<td>Sociology/Anthropology Option</td>
<td>A E G</td>
<td>101-3</td>
<td>BOTH</td>
<td></td>
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<tr>
<td></td>
<td>History Option</td>
<td>A E G</td>
<td>101-4</td>
<td>BOTH</td>
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<tr>
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<td>Political Science Option</td>
<td>A E G</td>
<td>101-5</td>
<td>BOTH</td>
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<td>Economics Option</td>
<td>A E G</td>
<td>101-6</td>
<td>BOTH</td>
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<tr>
<td>AA</td>
<td>Liberal Arts and Sciences–Women’s Studies Emphasis</td>
<td>A</td>
<td>109-1</td>
<td>BOTH</td>
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<tr>
<td>AS</td>
<td>Music</td>
<td>A</td>
<td>206-1</td>
<td>DAY</td>
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<tr>
<td>AAS</td>
<td>Nursing ¹, ²</td>
<td>A</td>
<td>308-1</td>
<td>DAY</td>
<td>Regents biology and chemistry (80 in course and exam); Math A; 80 H.S. average; ACT 21/ SAT 1000</td>
</tr>
<tr>
<td>AAS</td>
<td>Nursing from LPN ¹, ²</td>
<td>A</td>
<td>308-2</td>
<td>DAY</td>
<td>LPN advanced placement; contact Ammerman Admissions Office</td>
</tr>
<tr>
<td>AAS</td>
<td>Nursing ³</td>
<td>G</td>
<td>348-1</td>
<td>DAY</td>
<td>Regents biology and chemistry (80 in course and exam); Math A; 80 H.S. average; ACT 21/ SAT 1000</td>
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<tr>
<td>AAS</td>
<td>Nursing ³</td>
<td>A</td>
<td>338-1</td>
<td>EVE</td>
<td>Regents biology and chemistry (80 in course and exam); Math A; 80 H.S. average; ACT 21/ SAT 1000</td>
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<tr>
<td>AAS</td>
<td>Occupational Therapy Assistant ³</td>
<td>G</td>
<td>391-1</td>
<td>DAY</td>
<td>Math A; laboratory biology and chemistry; 80 H.S. average</td>
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<tr>
<td>AAS</td>
<td>Ophthalmic Dispensing (Opticianry) ³</td>
<td>G</td>
<td>389-1</td>
<td>DAY</td>
<td>Math A; laboratory biology; eligible for EG11 and MA27</td>
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<td>AAS</td>
<td>Paralegal Studies ³</td>
<td>A G</td>
<td>333-1</td>
<td>BOTH</td>
<td>Strong reading and writing skills; Regents English; 80 H.S. average; ACT 21/ SAT 1000</td>
</tr>
</tbody>
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<tbody>
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<td>Cert</td>
<td>Paralegal Studies</td>
<td>A</td>
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<td>433-1</td>
<td>BOTH</td>
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<td>B.A., B.S., A.A., A.S. or A.A.S. degree or significant experience</td>
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<td>AAS</td>
<td>Photographic Imaging*</td>
<td>E</td>
<td>G</td>
<td>372-1</td>
<td>BOTH</td>
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<tr>
<td>AAS</td>
<td>Physical Therapist Assistant†</td>
<td>A</td>
<td></td>
<td>310-1</td>
<td>DAY</td>
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<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>85 H.S. average (or 3.0 GPA at SCCC); 80 average in Regents biology, chemistry and Math A and B (or grade of C in MA27); completion of BY30 with a grade of C or better; CPR and First Aid Certification; 50 volunteer hours</td>
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<tr>
<td>AAS</td>
<td>Radio and Television Production*</td>
<td>A</td>
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<td>306-1</td>
<td>DAY</td>
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<tr>
<td></td>
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<td></td>
<td>75 H.S. average; 75 average in English</td>
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<tr>
<td>AAS</td>
<td>Recreation Leadership</td>
<td>A</td>
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<td>311-1</td>
<td>DAY</td>
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<td>Contact Campus Admissions Office</td>
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<tr>
<td>AS</td>
<td>Theatre Arts</td>
<td>A</td>
<td></td>
<td>205-2</td>
<td>DAY</td>
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<tr>
<td></td>
<td>Acting Sequence</td>
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<td></td>
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</tr>
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<td>Technical Theatre Sequence</td>
<td>A</td>
<td></td>
<td>205-3</td>
<td>DAY</td>
</tr>
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<td>AAS</td>
<td>Veterinary Science Technology*‡,³</td>
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<td>390-1</td>
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<td></td>
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<td>Math A; laboratory biology and chemistry; 75 H.S. average (admitted evenings in even-numbered years only)</td>
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<tr>
<td>AS</td>
<td>Visual Arts³</td>
<td>A</td>
<td>G</td>
<td>204-1</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Portfolio review</td>
</tr>
</tbody>
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TRANSFER PROGRAM INFORMATION

Suffolk County Community College has entered into special programs and agreements with four-year colleges and universities designed to facilitate and expedite the process of transferring from Suffolk after completing an associate degree. The following programs and agreements –

- Unified Transfer Programs of Study with Four-Year Colleges and Universities
- Joint Admission Agreements with Four-Year Colleges and Universities
- Articulation Agreements with Four-Year Colleges and Universities

provide easy transition from Suffolk to a four-year college or university and often require the completion of only one application for admission and/or the payment of only one application fee. Further information about these programs can be obtained from any campus admissions office or from the Central Admissions Office.

Unified Transfer Programs of Study with Four-Year Colleges and Universities

Suffolk County Community College works closely with four-year colleges and universities to develop programs and procedures designed to facilitate the attainment of a baccalaureate degree for students who begin their studies at SCCC.

A recent initiative called **Unified Programs of Study** has resulted in the delineation of course and graduation requirements in certain curricula at certain colleges and universities which clearly specify the program of study at both SCCC and the transfer institution.

These Unified Programs are identified in the chart below. Detailed descriptions showing all course requirements may be found on SCCC’s Web site at [http://www.sunysuffolk.edu/transfer](http://www.sunysuffolk.edu/transfer). For further information contact the college's Central Admissions Office at (631) 451-4000.

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### UNIFIED TRANSFER PROGRAMS WITH FOUR-YEAR COLLEGES AND UNIVERSITIES

<table>
<thead>
<tr>
<th>Name of Four-Year Institution</th>
<th>Degree, Curriculum and Code at SCCC</th>
<th>Minimum SCCC Cumulative Grade Point Average (GPA) in order to Transfer</th>
<th>Degree and Curriculum at Four-Year Institution</th>
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<tbody>
<tr>
<td>Adelphi University</td>
<td>A.A., Accounting (208-1) 2.30</td>
<td>B.B.A., Accounting</td>
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<tr>
<td></td>
<td>A.S., Business (207-1) 2.30</td>
<td>B.B.A., Management</td>
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<td></td>
<td>A.S., Human Services (212-1) 2.80</td>
<td>B.S., Social Welfare</td>
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<td>A.A., Liberal Arts and Science: Education (Child Study) (112-1) 2.75</td>
<td>B.A., English and M.A., Education: Childhood</td>
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<td>Dowling College</td>
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<td>B.A., Management/ M.B.A. Option</td>
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<td>B.A., Management (Sports)/ M.B.A. Option</td>
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<td>B.S., Music Education</td>
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<td>B.S./M.S., Accounting</td>
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<td>Southampton College</td>
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<td>B.B.A., Business Administration</td>
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<tr>
<th>University</th>
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<th>Degree/Professional Area</th>
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<td>Enrollment Process</td>
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<td>A.A., Communications and Media Arts: Journalism</td>
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<td>Environmental Science: Biology</td>
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<td>Environmental Science–Forestry (200-2)</td>
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<td>Science/Biology (200-1)</td>
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<td>A.S., Liberal Arts and Science:</td>
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<td>Marine Science: Oceanography</td>
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<tr>
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<td>A.A.</td>
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<td>(103-1)</td>
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</tbody>
</table>

NOTE: Detailed descriptions showing all course requirements at both SCCC and the four-year institution may be found on Suffolk County Community College’s Web site at [http://www.sunysuffolk.edu/transfer](http://www.sunysuffolk.edu/transfer).
Joint Admission Agreements with Four-Year Colleges and Universities

Suffolk County Community College has established a number of innovative Joint Admission Agreements under which a student is admitted to Suffolk County Community College and the upper division institution at the time he/she is accepted at SCCC. These students follow a definitive curriculum at Suffolk and receive counseling and advising that will facilitate enrollment at the four-year institution upon completion of the associate degree.

Intent to Enroll forms designed to alert the upper division institution of the SCCC student’s imminent transfer are available in the Counseling Centers on all three campuses. A copy of the completed form must be submitted to the campus Registrar’s Office prior to its submission to the transfer institution.

Joint Admission Agreements
Adelphi University
Alfred University
Dowling College
Five Towns College
Long Island University
    - Brentwood
    - C.W. Post
Southampton
Molloy College
New York Institute of Technology
St. Joseph’s College
SUNY at Albany
SUNY College of Technology at Farmingdale
SUNY College at Fredonia
SUNY College at Old Westbury
SUNY at Stony Brook
Touro College/Long Island

Articulation Agreements with Four-Year Colleges and Universities

Suffolk County Community College has developed special articulation agreements with certain four-year colleges to facilitate transfer into particular programs. These arrangements often benefit Suffolk graduates by reducing the number of credits required for the baccalaureate degree and ensuring the maximum transfer credit for courses taken at Suffolk.

Articulation Agreements
Adelphi University-Honors
Alfred University-Business Administration
American Institute of Banking of Greater New York
    - Business Administration
    - Economics
    - Business
    - Math
Briarcliffe College
    - Business Administration
    - Accounting
    - Computer Information Systems
    - Computer Science
Clarkson University School of Management
    - Engineering
Columbia University
    - General Studies
Cornell University
    - Veterinary Science Technology
Dowling College
    - Accounting
    - Business Administration
    - Education (Child Study)
    - Music Education
    - Sports Management
Fordham University
    - Honors Program
Hofstra University
    - Business
Ithaca College
    - Chemical Dependency Counseling
    - Fitness Specialist
Johnson and Wales University
    - Hotel Technology/Restaurant Management
Long Island University: Brentwood Campus
    - EOP
Long Island University: Brooklyn Campus
    - Parallel Programs
Long Island University: C.W. Post Campus
    - Criminal Justice
    - Dietetic Technician
    - Health Careers
    - Nursing
    - Public Administration
Long Island University: Southampton Campus
    - Parallel Programs
Lynn University
    - Food Service Administration
Molloy College
    - Education
    - Human Services
New York Chiropractic College
    - Pre-Chiropractic
Enrollment Process

New York Institute of Technology
Accounting, Business Administration
Electrical Technology
Hotel Technology/Restaurant Management
New York University
Dietetic Technician
Nursing
Northwestern University
Chiropractic
Palmer Chiropractic
Pre-Chiropractic
Queens College
Dietetic Technician
St. John's University
Pre-Environmental Studies and Environmental Studies
SUNY at Binghamton
All curricula, including Nursing, Engineering, Education and the School of Management
SUNY College at Brockport
Biological and Environmental Sciences
Humanities
Science and Mathematics
Social Sciences
SUNY at Buffalo
Business Administration
SUNY Empire State College
All curricula
SUNY College at Old Westbury
Computer Science
Early Childhood
Mathematics
SUNY College at Oneonta
Accounting, Business Administration
Computer Science
Marketing
Liberal Arts & Sciences, Fine Arts
Early Childhood
SUNY College at Plattsburgh
All curricula
SUNY at Stony Brook
College of Arts & Sciences
Nursing
Transfer of SCCC Honors Program Students
EOP/AIM
SUNY College of Technology (Utica)
Nursing
Touro College
Occupational Therapy and the Health Sciences
University of New Haven
Dietetic Technician

APPLYING AND BEING ADMITTED

Eligibility

The college believes that liberal admission requirements are an essential part of its philosophy and, in that context, has maintained a Full Opportunity Program of admission for many years. Full Opportunity means that the college offers acceptance in an appropriate program to all applicants residing in Suffolk County who have graduated from an approved high school or hold the New York State High School Equivalency Diploma (or equivalent).

Applicants over the age of 18 who do not meet these requirements should contact one of the campus admissions offices for alternate admission procedures under the Ability to Benefit (ATB) program. These procedures include the testing of the applicant and counselor review of all testing data and academic credentials prior to the admission process. Federal guidelines on testing cut-off scores are utilized for admission purposes.

Students who wish to transfer to Suffolk County Community College from another college are accepted if they have left their previous institution in good academic standing. See section below for information regarding advanced standing credit.

Some programs of study have special admission procedures and entrance requirements. Admission into these programs is based on factors such as completion of required prerequisites, grade point average, high school record, work experience and objective test data.

For programs of study with competitive admission requirements, preference may be given to students who complete their prerequisite course work at Suffolk County Community College. In addition, Suffolk County residents will be given preference over residents of other New York State counties for admission into competitive programs in those cases where the program is available in the student's county of residence. Furthermore, applicants from outside New York State, including those from outside the United States, will be considered for admission to competitive/restricted programs only after the admission of all qualified Suffolk County and New York State applicants.

Specific admission requirements and application procedures for each of Suffolk County Community College’s curricula can be found in the Programs of Study chart on pages 21-26 and in the individual detailed curriculum descriptions on pages 92-178 in the Curricula section of this catalog.
International Students

Admission of international students requires the issuing of an I-20 AB form for F-1 student status. International students should contact one of the campus admissions offices to schedule an interview along with their Suffolk County resident sponsor, at which time specific information and complete application materials will be provided.

Submitting Applications

Applicants for admission with matriculated status in a degree program should submit a completed application to:

Central Admissions Office
Suffolk County Community College
533 College Road
Selden, New York 11784-2899

Applications are available at all Suffolk County high schools as well as the Admissions Offices at Suffolk's three campuses in Selden, Riverhead and Brentwood, or apply online at http://www.sunysuffolk.edu.

In addition, applicants should arrange to have official copies of their final official high school transcripts, along with official transcripts from any previous colleges attended, sent to the Central Admissions Office. Results of the ACT and SAT, if available, should also be forwarded to the Central Admissions Office.

Application Deadlines

The application deadline for new students is one week prior to the start of classes for both the fall and spring semesters. Nevertheless, applicants are urged to file their application by November 1 for spring admission and April 1 for fall admission in order to assure early consideration of their application and the greatest selection of program and course offerings. In addition, the following programs admit freshmen for the fall semester only and give preference to applications received by January 1:

Chemical Dependency Counseling
Health Information Technology/ Medical Records
Nursing (except June 1 for curriculum 347-1)
Occupational Therapist Assistant
Ophthalmic Dispensing
Physical Therapist Assistant
Veterinary Science Technology

Transfer students may, on a case by case basis, be accepted for the spring into competitive programs.

International students are encouraged to file applications at least three months before the start of classes for both the fall and spring semesters.

Matriculation

Matriculated Status

Matriculated status is granted to every student who is admitted into a degree program at Suffolk County Community College. Matriculation assures a student that the requirements for a particular degree program which are in effect at the time of matriculation will remain in effect until that student graduates. A student's matriculation status may be rescinded as stated under “Academic Standing.”

In addition, students matriculated in programs with limited seat availability will lose their matriculation status during any semester of non-attendance (excluding wintersession and summers). Programs with limited seat availability include American Sign Language, Automotive Service Specialist, Early Childhood Education, Dietetic Technician, Fitness Specialist, Nursing, Occupational Therapy Assistant, Physical Therapist Assistant and Veterinary Science Technology.

Matriculated students may attend classes on a part-time (1-11.5 credits per semester) or full-time (12 or more credits per semester) basis and may schedule their classes during the days, evenings or weekends on any of the college's three campuses. Note: to be eligible for financial aid, students must be matriculated and taking courses required for or applicable to their current degree program.

Non-Matriculated Status

Non-matriculated status is granted to any student who wishes to take classes at Suffolk County Community College but who has not been admitted into a degree program. Non-matriculated students can register for 1 through 11.5 credits per semester and are not eligible for financial aid. Non-matriculated students who wish to be admitted to a degree program should follow the admission procedures for matriculated status.

AFTER BEING ADMITTED

Placement Testing and Course Selection

Suffolk County Community College believes that accurate course placement will increase students’ chances of success. Therefore, newly admitted students are required to take the College Placement Tests (CPTs), which assess
competence in reading, English and mathematics. Students transferring to Suffolk may also be required to take the CPTs, depending on their academic background.

After testing, students will be scheduled to meet with a counselor or faculty advisor to review their curriculum choice and, on the basis of their test results and/or prior academic records, will be placed in appropriate courses, which may include one or more non-credit developmental courses in the basic skills areas.

Orientation

New students are strongly encouraged to attend an orientation program sponsored by the Campus Activities Offices prior to the beginning of classes each semester on each of the three campuses.

These orientation programs help new students make the transition into college by providing:

- an opportunity to meet faculty, administrators, counselors, student ambassadors and other new students, and
- information about academic policies and programs, student support services and student life opportunities.

Immunization and Medical Requirements

Prior to registration, all new students admitted to the college who were born on or after January 1, 1957 must submit a completed Certificate of Immunization or the equivalent to the Health Services Office, in fulfillment of the following legal requirement:

In accordance with New York State Public Health Law, Section 2165, all matriculated students attending Suffolk County Community College who were born on or after January 1, 1957 must provide written proof of adequate immunization against measles, mumps and rubella in accordance with standards approved by the New York State Department of Health. (See pages 59-60 and 72 for a more detailed explanation of the immunization policy.)

In addition, in accordance with New York State Public Health Law 2167, all new students are required to acknowledge that they have received information about meningococcal disease, and to indicate that they either have received the appropriate vaccination within the past 10 years, or have decided not to obtain immunization against the disease.

New students should also submit a self-report medical history as requested on the College Health History Form.

A medical examination (Physician’s Report) must be filed by all nursing and health careers students, as well as students in the Dietetic Technician curriculum who plan to enroll in FM42 (Food Service Management). Veterinary Science Technology students are required to have a tetanus shot within 10 years prior to enrollment.

In addition, all students in the nursing and health career programs, including dietetic technician courses, are required to purchase liability insurance when registering for courses that include any field work, practicum or off-campus laboratory experiences. This insurance must be purchased at the time of registration. Those courses requiring the insurance are identified in the course descriptions.

Furthermore, many health career organizations require health career students practicing in their agencies to receive the Hepatitis B vaccination or sign a declination statement as a condition of practicing in the facility. The Hepatitis B vaccination is a safe and effective method of preventing Hepatitis B infection. Questions about this health facility vaccination requirement should be directed to the Health Services Office on any campus.

Insurance

Student Accident Insurance

All full-time students and those part-time students enrolled in physical education courses and certain field placements, internships and cooperative education programs are required to participate in the accident insurance plan maintained by the college. Under the coverage of the accident policy, students are insured every hour of the day while on or off campus and can claim reimbursement for all injuries, within the limitations stated in the policy and except for those accidents excluded by the policy.

An insured student who matriculates for both the fall and spring semesters has coverage on an annual basis. An insured student who is enrolled only for a fall, wintersession, spring or summer semester has coverage only for the semester of enrollment and until the start of the next semester. There is also an accidental death benefit, with specific exclusions, provided with this policy. Part-time students who are not automatically enrolled in the program may enroll on an elective basis.

Claim forms and additional information are available at the campus Health Services Office.

Student Liability Insurance

All students in the nursing and health career programs, including dietetic technician courses, are required to purchase liability
insurance when registering for courses that include any field work, practicum or off-campus laboratory experiences. This insurance must be purchased at the time of registration. Those courses requiring the insurance are identified in the course descriptions.

Registration
Currently enrolled matriculated and non-matriculated students are eligible to register before the end of each semester for the following term. Registration may be conducted on the Web via MySCCC at http://www.sunysuffolk.edu or in person at the campus Registrar’s Office. New matriculated students must register in person. After registering, students receive a schedule/bill. All students are responsible for verifying the content of their schedule/bill and making the appropriate tuition payment prior to the deadline date listed. No student is considered registered until all tuition and fees are either paid in full or officially deferred.

Late Registration
Registration is considered late beginning one week prior to the official start of each session (day, evening, Saturday/Sunday). Note: A late registration fee applies to all students who register during this late registration period. Registration for a course is permitted up to and including the day before the first class meeting. No registrations will be accepted after this time. Exceptions to this policy may be approved only by the campus Office of Instruction. Note: Registration for online courses and telecourses is permitted until the end of the first week of classes.

Paying Tuition and Fees
The tuition deposit, which is applied to the payment of tuition, is non-refundable. An unused tuition deposit may be applied to the payment of tuition for a one-year period which will include the semester for which the tuition deposit was made.

Payment and Deferral of Tuition
All students are required to pay tuition and all appropriate fees at the time of their registration. However, students who qualify for financial assistance or loans from state, federal or private agencies may be permitted, on a case-by-case basis, to defer payment of tuition and fees until receipt of such financial aid, but in no case beyond the end of the semester. (Please see explanation of Financial Aid beginning on page 45.) Personal checks are accepted at the discretion of the college. Individual abuse of this policy may lead to non-acceptance of a personal check.

A tuition payment deferral is a privilege extended to a student by the college and can be withdrawn at the discretion of the college. In addition, if third party payment is not received, the college reserves the right to demand payment from the student. Funds from any source may be used by the college for payment of any and all deferred or outstanding charges. It is the student’s responsibility to follow through on all financial aid paperwork to ensure timely completion of the process.

Tuition Payment Plan
Suffolk County Community College has a tuition payment plan which allows students to initially pay one-third of the amount due, with an additional one-third due four weeks into the semester and the final one-third due at the mid-point of the semester.

Plans are offered for the fall and spring semesters only. Amounts due from a previous semester must be repaid before a student can subscribe to a subsequent semester’s plan. A $40.00 fee is charged for use of the Tuition Payment Plan and a $25.00 Late Fee is assessed for any payment not made on or before its scheduled due date. The minimum amount that can be deferred is the value of a three-credit course. The Tuition Payment Plan is not available for students taking non-credit courses and is not offered during wintersession or any summer session.

Collection of Overdue Tuition and/or Other Charges
In those cases where payment of tuition and/or other charges is overdue, the college employs the services of collection agencies and/or attorneys. In that event, the student is liable for an additional sum representing interest and all costs of collection including reasonable attorney’s fees of one third of the balance in default at the time of collection. Students are also advised that their academic records will be encumbered prior to the end of the semester if all charges are not paid. Grades and transcripts will be withheld until full payment is made.

SPECIAL ACADEMIC SUPPORT PROGRAMS
Educational Opportunity Program (EOP)
The Educational Opportunity Program (EOP) is designed to provide academic support and financial assistance to students enrolled full-time in a curriculum at the college.
Students admitted to the program have the academic potential to succeed at attaining a college degree, but may need to be encouraged throughout their time at the college to persist to graduation.

**Eligibility**

The program is offered to full-time students who are New York State residents for twelve months prior to attending college. EOP accepts students who qualify academically and financially based on the following guidelines:

a. New York State residency;
b. recipient of a high school diploma or its equivalent;
c. full-time registration;
d. 79 or less high school average in major subjects;
e. meet NYS legislated income guidelines.

**Support Services**

Students enrolled in the EOP receive academic, career and personal advisement. In addition, they receive a cash stipend each semester to assist with the cost of books and personal expenses.

**Students Transferring to Suffolk County Community College**

Students are eligible for EOP as a transfer student provided they have been enrolled in EOP, College Discovery, HEOP (Higher Education Opportunity Program), SEEK (Search for Education, Elevation and Knowledge) or a similar academic and financial support program at their previous college. If the previous college did not have EOP or a similar program, students may be considered for transfer eligibility and should notify SCCC when applying to the college.

**Developmental Studies Program**

Each campus offers a program of study that provides intensive assistance to help students prepare for college course work. Soon after students are admitted and assigned matriculated status, they are contacted to arrange a time to take the College Placement Tests (CPTs) required of newly admitted full and part-time matriculated students. These tests determine the level of course work appropriate for new students: college-level or some level of developmental studies. Students transferring from another college who can demonstrate they have successfully completed the appropriate college-level courses may be waived from the placement test requirement.

On the basis of the placement tests and high school courses and grades, students are enrolled in a college-level course or some level of the Developmental Studies Program. Students are required to successfully complete any developmental courses into which they are placed. The requirement to take developmental courses may lengthen the time needed to complete a degree.

Students who are required to take two or more developmental courses in two or more areas (EG09, EG10, MA01, MA06, MA07, RE09, RE10, EF01, EF02, EF03, EF04, EF05, EF06, EF07, EF08, EF20), or one developmental English or reading course at the 09 level (EG09/EF07 or RE09/EF01) are automatically placed in the Developmental Studies Program. While in the Developmental Studies Program, students may enroll in no more than 14.5 hours/credits per semester and make changes in courses only after written approval by an academic dean, academic chair, counselor or faculty advisor. The developmental courses do not carry credit toward a degree or certificate. Individual programs of 12-14.5 hours, which include the required developmental courses and courses from the student's chosen curriculum, are arranged by the counseling staff in consultation with the student. The college believes that such a developmental program can improve scholastic ability and thereby promote a smooth transition to the traditional academic programs at Suffolk.

The Developmental Studies Program provides support services including advisement and tutoring in reading, writing and mathematics. In addition, there are centers on each campus which offer faculty and peer tutoring in reading, writing and mathematics.

**Sequences**

The sequences for Developmental Studies are as follows:

**MATHEMATICS:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA01: Developmental Mathematics Skills</td>
<td>3</td>
</tr>
<tr>
<td>MA06: Pre-Algebra and Algebra I</td>
<td>5</td>
</tr>
<tr>
<td>MA07: Algebra I</td>
<td>4</td>
</tr>
</tbody>
</table>

**ENGLISH:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG09: Basic English Skills</td>
<td>3</td>
</tr>
<tr>
<td>EG10: Developmental Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**READING:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE09: Introduction to College Reading</td>
<td>3</td>
</tr>
<tr>
<td>RE10: Reading in the Content Areas</td>
<td>3</td>
</tr>
</tbody>
</table>
ENGLISH AS A SECOND LANGUAGE:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF01</td>
<td>ESL: College Reading I</td>
<td>3</td>
</tr>
<tr>
<td>EF02</td>
<td>ESL: College Reading II</td>
<td>3</td>
</tr>
<tr>
<td>EF03</td>
<td>ESL: Intensive Grammar I</td>
<td>3</td>
</tr>
<tr>
<td>EF04</td>
<td>ESL: Intensive Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>EF05</td>
<td>ESL: College Listening/</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Speaking Skills I</td>
<td>3</td>
</tr>
<tr>
<td>EF06</td>
<td>ESL: College Listening/</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Speaking Skills II</td>
<td>3</td>
</tr>
<tr>
<td>EF07</td>
<td>ESL: College Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EF08</td>
<td>ESL: College Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Levels

**LEVEL I:** Courses will be chosen in consultation with an advisor or counselor.

Students who place into all entry-level developmental courses (e.g., MA01, RE09 and EG09) could take the following sample program:

- RE09          . . . . . . . . . . . . . . . . . . . . 3 hours
- MA01/MA06     . . . . . . . . . . . . . . . . . . . . 3-5 hours
- EG09          . . . . . . . . . . . . . . . . . . . . 3 hours
- *             . . . . . . . . . . . . . . . . . . . . 3-3.5 hours/credits

**Total** . . . . . . . . . . . . . . . . . . . . . . . . . . . 12-14.5 hours/credits

A Level I ESL student might take the following program:

- EF01          . . . . . . . . . . . . . . . . . . . . 3 hours
- EF03          . . . . . . . . . . . . . . . . . . . . 3 hours
- EF05          . . . . . . . . . . . . . . . . . . . . 3 hours
- EF07          . . . . . . . . . . . . . . . . . . . . 3 hours

**Total** . . . . . . . . . . . . . . . . . . . . . . . . . . . 12 hours

* Possible selections include:
1. OS20 (3 credits)
2. OT24 (1 credit), PE (1 credit, excluding PE96) and/or OS15 (1.5 credits)**
3. CO10 (3 credits) and/or OS15 (1.5 credits)**

** Some of these courses require a course fee of $40.00

**LEVEL II:** Any student who places at the RE10 and EG10 level (or for ESL students, EF02 and EF08 level) might have the option to take a content area course such as CO10, OT24, OT25, AN11D, BA11D, PC11D, SO11D, PE and AC13**.

Sample programs are as follows:

- RE10          . . . . . . . . . . . . . . . . . . . . 3 hours
- EG10          . . . . . . . . . . . . . . . . . . . . 3 hours
- MA07          . . . . . . . . . . . . . . . . . . . . 4 hours
- BA11D         . . . . . . . . . . . . . . . . . . . . . 3 credits
- OS15          . . . . . . . . . . . . . . . . . . . . 1.5 credits

**Total** . . . . . . . . . . . . . . . . . . . . . . . . . . . . 14.5 hours/credits

Students can take almost any combination of developmental and content courses, depending upon their individual needs. (For state aid eligibility, new students must earn at least 3 credits toward their current degree while students in subsequent semesters must earn at least 6 credits toward their current degree.)

During the second semester, students continue to the next higher-level developmental course provided they have completed the lower-level developmental course with a satisfactory grade. Students receiving a U or R grade or any grade other than satisfactory (S) are required to repeat the lower-level course before moving to a higher-level course.

Any grade issued for a developmental course is binding. A test and retest score on the CPT cannot be used to substitute for or replace an earned grade.

Exiting the Developmental Studies Program

Once a student progresses beyond the RE10 (EF02), EG10 (EF08) and MA06/MA07 level, he/she can exit from the Developmental Studies Program and take regular college-level content area courses. If other indications of potential success exist, a student should contact the campus Office of Instruction.

Student Support Services (SSS) Program

The Student Support Services program provides opportunities for students to successfully complete their postsecondary education. The goal is to increase the retention and graduation rates of participants and ease the process of transition from one level of higher education to the next. The following services are provided:

- one-to-one assistance for academic and educational needs
• instruction in basic study skills
• tutorial services
• assistance in applying for financial aid
• information about career and transfer opportunities
• registration priority
• peer mentoring

Students must be enrolled full-time and in their first semester at Suffolk County Community College. In addition, eligible students must meet at least one of the following criteria: first-generation college, low income and/or have a documented disability. For more information call (631) 451-4693.

**English as a Second Language (ESL)**

Suffolk County Community College recognizes that students who are non-native speakers of English may require specialized English language instruction. As a result, extensive course offerings in English as a Second Language are available at each of the campuses.

English as a Second Language (ESL) embraces two programs that offer instruction in listening, speaking, reading, writing and grammar to students for whom English is a second language. One ESL program offers developmental classes on a non-credit* basis and the other ESL program offers developmental classes on a credit* basis. The aim of both programs is to provide limited English-proficient students with a functional knowledge of the English language.

The programs will furnish them with the necessary communication skills to secure gainful employment, perform more effectively in daily life situations, and enroll in further college-level courses if they so desire. Inasmuch as Suffolk County offers employment opportunities in business and industry as well as academic options, the ESL programs are aimed at making these opportunities accessible to their students. Instruction consists of sequenced levels, each of which is a prerequisite for the next level. These levels are divided into sections that focus on the four linguistic skill areas: speaking, listening, reading and writing.

**Non-Credit Program ESL Classes***

The non-credit* ESL program consists of six levels, each of which is a prerequisite for the next. The only requirements are that students be at least 18 years of age and take a placement test in order to determine their level of proficiency and placement.

The non-credit* ESL program is for those students who:

• have not enrolled at the college in a degree program
• are seeking a less expensive option
• are able to devote only a limited number of hours per week to study
• have language skills at the most basic level
• are seeking to improve language skills for vocational or social reasons
• are unsure of future academic goals

**ESL PROGRAM SEMESTER (non-credit*):** The semester lasts 12 weeks. Students must attend class for 5 hours per week. In addition, students are required to complete one hour of language lab practice per week. Classes are offered in the morning, evening and on Saturdays.

<table>
<thead>
<tr>
<th>Level</th>
<th>Courses</th>
<th>Hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Level I</td>
<td><em>501</em></td>
<td>5</td>
</tr>
<tr>
<td>LEVEL I:</td>
<td><strong>502</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>503</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>506</strong></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>5</td>
</tr>
<tr>
<td>LEVEL II:</td>
<td><strong>507</strong></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>508</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>509</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>5</td>
</tr>
<tr>
<td>LEVEL III:</td>
<td><strong>510</strong></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>511</strong></td>
<td>2</td>
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<tr>
<td></td>
<td><strong>512</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>5</td>
</tr>
<tr>
<td>LEVEL IV:</td>
<td><strong>513</strong></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>514</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>515</strong></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>5</td>
</tr>
<tr>
<td>LEVEL V:</td>
<td><strong>516</strong></td>
<td>5</td>
</tr>
</tbody>
</table>

**Total Program Time:** 6 semesters/360 hours

Upon successful completion of Level V of the non-credit* ESL Program, an exit test is given and students are encouraged to pursue college-level work. Students who successfully complete the program also participate in the ESL graduation ceremony. At that time they receive a Certificate of Program Completion which recognizes their achievement.

*Students should be aware that all ESL courses, credit or non-credit, are considered developmental and therefore do not fulfill any degree or certificate requirements.
Credit Program ESL Classes*

In addition to the non-credit* ESL offerings, the college also has recognized a growing need among limited English-proficient graduating high school seniors, returning adult students and professionals who are willing and able to pursue a more intensive language curriculum where they would earn credit*, be eligible for financial aid and have recognized matriculated status at Suffolk County Community College. As a result, a more intensive program of ESL classes has been developed which consists of more hours and weeks of study than the non-credit program. After completing this sequence of courses, these students might continue at the college to receive an associate degree or transfer to another institution to continue professional studies.

The credit* ESL program is for students who:

- have been accepted by SCCC for full or part-time admission.
- are applying for financial aid (note: for state aid eligibility, new students must earn at least 3 credits towards their current degree, while students in subsequent semesters must earn at least 6 credits towards their current degree).
- are seeking a more intensive program of study for academic or professional reasons.
- need intensive instruction in any of the above-named skill areas.
- have need for specialized ESL classes based on results of the College Placement Tests.
- have completed the non-credit ESL program and need additional focused course work to enable them to continue their studies.

**ESL PROGRAM SEMESTER (credit*)**: The semester lasts 15 weeks. Students must attend classes for 12 hours per week if they are taking the full sequence or three hours per week for each class in which they are placed.

**SEMESTER I:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF01 ESL: College Reading I</td>
<td>3</td>
</tr>
<tr>
<td>EF03 ESL: Intensive Grammar I</td>
<td>3</td>
</tr>
<tr>
<td>EF05 ESL: College Listening/</td>
<td></td>
</tr>
<tr>
<td>Speaking Skills I</td>
<td>3</td>
</tr>
<tr>
<td>EF07 ESL: College Composition</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>12</td>
</tr>
</tbody>
</table>

**SEMESTER II:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF02 ESL: College Reading II</td>
<td>3</td>
</tr>
<tr>
<td>EF04 ESL: Intensive Grammar II</td>
<td>3</td>
</tr>
<tr>
<td>EF06 ESL: College Listening/</td>
<td></td>
</tr>
<tr>
<td>Speaking Skills II</td>
<td>3</td>
</tr>
<tr>
<td>EF08 ESL: College Composition</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Program Time: 2 semesters/360 hours

* Students should be aware that all ESL courses, credit or non-credit, are considered developmental. Therefore, they do not fulfill any degree or certificate requirements.

**ADVANCED STANDING CREDIT FOR COLLEGE-LEVEL LEARNING**

Requests for credit by evaluation of transcripts for previous course work or for credit by examination should be made through the Central Admissions Office. Students may request credit for prior course work by forwarding official transcripts from all prior academic institutions attended to the Central Admissions Office, Suffolk County Community College, 533 College Road, Selden, NY 11784-2899.

Grades for prior course work accepted for SCCC credit are not noted on the transcript, nor are they considered in computing the grade point average. However, applicants for curricula with competitive admission should note that grades for such courses may be used for admission decisions only. For further information contact the Admissions Office.

In addition to transfer credit for course work completed at another college, Suffolk County Community College recognizes a number of programs designed to facilitate students’ progress toward the goal of earning an associate degree or one-year certificate by awarding credit for:

- non-classroom learning sponsored by non-collegiate organizations which is equivalent to college course work
- various examination programs
- portfolio review
- independent learning

These opportunities are described in the sections which follow.

Students who avail themselves of these opportunities for advanced standing must still complete at least 30 credit hours of academic course work at Suffolk for the associate degree and 15 credit hours of academic course work at Suffolk for the one-year certificate, exclusive of physical education and Freshman Seminar credits. Consult the Admissions Office for further information.
• By Prior Course Work

Advanced Placement Examinations
Credit may be awarded to students who have taken Advanced Placement courses in high school and who attain scores of at least 3 on the appropriate Advanced Placement examinations administered through the Educational Testing Service.

Transfer Credit
Credit for course work successfully completed with a grade of C minus (C-) or better at another accredited institution of higher education may be awarded for courses deemed equivalent to Suffolk County Community College courses.

Educational Programs Sponsored by Certain Non-Collegiate Organizations
Credit may be granted in accordance with recommendations of the New York State Department of Education and/or the American Council on Education for courses sponsored by employers, government agencies and similar organizations. Credit may also be granted for courses completed through the United States Armed Forces Institute (USAFI) and military training schools.

• By Examination

Students who have achieved college-level learning through their work, volunteer activities, travel or similar experiences may seek academic credit by earning satisfactory scores on certain examinations as described below.

College-Level Examination Program (CLEP) Examinations
These are standardized tests covering many of the subjects and courses offered at Suffolk. Students who believe they have already achieved on their own the learning normally accomplished by completing particular college courses may attempt to demonstrate that learning by taking the appropriate CLEP examinations. Successful performance on the tests can result in credit toward their degree or certificate (similar to transfer credit) through the Central Admissions Office. A list of course equivalents for the CLEP examinations accepted by Suffolk is available through the Admissions Office. CLEP examinations are offered throughout the year in group sessions at the Ammerman Campus.

Information about the Adult Learner Program, including the CLEP application form, can be viewed online at http://www.sunysuffolk.edu/Web/Central/Academic_Affairs/. In addition, the CLEP application and testing dates are available on all three campuses in the Admissions and Counseling offices. Applicants are encouraged to visit the Office of Adult Learner Academic Programs located on the Ammerman Campus.

Challenge Examinations
When a CLEP examination is not available to test prior learning in a course or subject offered at Suffolk, the student may request, and the college may agree, to prepare and administer a special Challenge Examination in the subject. Challenge Examinations are not necessarily available for all courses. Consult the campus Office of Instruction for further information.

Other Nationally Recognized Standardized Examinations
Students who have taken standardized examinations for which the college has not previously awarded credit may petition through the Central Admissions Office to have the particular examinations evaluated for possible credit.

NOTE: When CLEP and other standardized scores are accepted for SCCC credit, no grade is recorded on the student's transcript, nor is one considered in computing the grade point average. However, applicants for curricula with competitive admission should note that test scores may be translated into letter grades to be used for admission decisions only. For further information contact the Central Admissions Office.

• By Portfolio Assessment

Portfolio assessment is an alternative vehicle for defining, demonstrating and documenting college-level learning achieved outside the classroom. Students who have the appropriate reading and writing competencies may take PS30: Portfolio Preparation, a one-credit course available at the Ammerman Campus in the fall and spring semesters. The course encompasses relevant academic content, skill development and ongoing guidance during the process of developing a learning portfolio. After completion of the course, students may submit the learning portfolio for evaluation for possible college credit.

Evaluation of the portfolio is not part of PS30. The evaluation is done by faculty experts in the academic disciplines reflected by the student’s learning and is subject to a separate assessment fee.

For further information contact the Office of Adult Learner Academic Programs on the Ammerman Campus at (631) 451-4696.
Restrictions on Advanced Standing Credit

Where an appropriate standardized examination or Challenge Examination is available, students may be required to demonstrate prior learning by taking the examination in lieu of requesting credit by portfolio assessment.

The college will not award credit by examination, nor will it entertain petitions for credit by portfolio assessment, when to do so would jeopardize its accreditation by the relevant professional association.

Students who avail themselves of these opportunities for advanced standing credit and/or receive transfer credit for prior course work must still complete at least 30 credit hours of academic course work at Suffolk applicable to their associate degree curriculum and 15 credit hours of academic course work at Suffolk applicable to their one-year certificate curriculum, exclusive of physical education credits.

SCCC Alumnus Profile

Rodney Charitable, Class of 1991
Systems Engineer for Navy Missiles

Rodney works on some of the U.S. Navy’s most sophisticated weapons: the STANDARD, Tomahawk, VL/RIM-7, and Vertical Launching System (VLS) MK missiles. He has an active Department of Defense secret clearance. He will complete a doctorate in December 2004. Launching Rodney on this career trajectory was his education at SCCC.

A native of Haiti, Rodney arrived in the United States in 1985 and enrolled soon after in the Educational Opportunity Program at Suffolk. He served as a tutor in the Math Learning Center and graduated with an A.A.S. in Electrical Engineering in 1991. In 1996 he earned a B.S.E.E. in Circuit Design and Analysis from New York Institute of Technology, and in 2002 received an M.S.E.E. in Communications and Networking from Loyola College in Baltimore, MD. He is currently pursuing his Ph.D. in Applied Management and Decision Sciences at Walden University in Baltimore.

Rodney is an employee of BAE Systems in Rockville, MD, which designs, manufactures and supports defense products ranging from space systems to guided weapons. He worked as a lead electrical/systems engineer for two years and as an engineering supervisor for three. Now as a senior systems engineer, he is responsible for providing support for the development and improvement of STANDARD missiles, launchers, and weapon control systems for the U.S. Navy, seeing that various subsystems are compatible. Rodney has published the most complete power distribution analysis ever completed on a STANDARD missile and presented it to government contractors and the Navy. As a member of the missile’s Integrated Product Team, he works with other engineers from companies such as Raytheon, Lockheed Martin and General Dynamics.

“My experiences at Suffolk were those of a lifetime,” says Rodney, whose doctoral dissertation examines the absence of African Americans and women in the field of engineering. “Suffolk offers a quality education, a great atmosphere for learning, and a teaching staff that gives students a lot of personal attention.”
Finances

TUITION AND FEES

Residency

Under the provisions of the New York State statutes regulating community colleges, the operating costs of the college are met by student tuition, state aid and the contribution of Suffolk County, which sponsors the college.

The law provides that non-New York State residents must pay non-resident tuition. New York State residents who are not residents of Suffolk County may also be required to pay non-resident tuition if the procedures indicated below are not followed.

To be eligible for the resident tuition rate, a student must have one year's legal residency in New York State and six months in the county of Suffolk. The legal residency of unmarried students under 21 is deemed to be that of their parents. New York State students from counties other than Suffolk may have the non-resident tuition rate waived by submitting a Certificate of Residence from their home county fiscal officer prior to registration. This qualifies the student for the Suffolk County resident tuition rate.

Applications for Certificates of Residence are available at the Business Offices and must be filed with the chief fiscal officer of the student's home county not more than two months prior to the date classes begin for the ensuing semester. A Certificate of Residence is valid for up to one school year only and must be renewed each fall. Individuals in the county on a student visa cannot qualify for a Certificate of Residence at any time. Non-citizen Suffolk County permanent residents with permanent Resident Cards (green cards) satisfy the residency requirements and do not require a Certificate of Residence.

Failure to comply with the residency requirements will result in paying double tuition.

For newly discharged student veterans who are residents of New York State, the county of residence is the county in which an individual resided immediately prior to entry into military service.

Members of the Armed Forces of the United States on full-time active duty stationed in New York State or the spouse or dependent of such person shall pay tuition as a resident.

Fees

The Application Fee is a non-refundable fee which represents the cost of admission processing for all full- and part-time students upon their first admission to the college.

The Placement Testing/Advisement Fee is a non-refundable fee and represents the cost of testing and/or advising full-time and matriculated part-time students for proper placement in college courses.

The Laboratory, Special Equipment, Special Program, Distance Education, Telecourse
and Physical Education Service Fees partially provide for the extra costs of special supplies, equipment and services associated with certain courses. Individual course descriptions as outlined in this catalog are annotated to show if the fees are applicable for a particular course. Tele-course fees are applied to all telecourses. They are not separately identified in this catalog.

The Technology Fee is committed to funding technology and equipment. It is non-refundable on or after the first day of the session.

The Vehicle Registration Fee is valid during the academic year of issuance, is non-refundable on or after the first day of the session and partly supports automobile registration, security and plant maintenance activities. A separate vehicle registration is required for each car parked on campus.

The college offers its students a Tuition Payment Plan (TPP). The Tuition Payment Plan Fee is charged for use of the plan. A Late Payment Fee is assessed on students who have not paid their tuition and fees-based charges after they are billed. The Late Payment Fee may be charged multiple times. Both fees are non-refundable.

The Late Registration Fee is a non-refundable fee charged for registration beginning one week prior to the first day of a session (day, evening, Saturday/Sunday). It does not apply to courses being added to an existing schedule.

The College Fee provides for social, cultural, athletic and related activities for full and part-time students and is non-refundable on or after the first day of the session.

The Graduation Review Fee is a one-time fee assessed at the time students enroll for their 60th credit (25th credit for certificate program students). It is non-refundable on or after the first day of the session and covers the cost of conducting a graduation audit, student diplomas or certificates, the processing of documents and related records, the graduation ceremonies, and membership in the college’s Alumni Association for the year immediately following graduation.

The Liability Insurance Fee is required of students in designated courses in nursing and health careers. It is also required for cooperative education and internship courses and for other experiential programs. This fee is non-refundable on or after the first day of the session.

The Accident Insurance Fee provides accident and death coverage for full-time students and also for those part-time students enrolled in physical education courses plus certain field placements, internships and cooperative education programs. This fee is non-refundable on or after the first day of the session. Other part-time students may purchase accident insurance coverage on an elective basis by completing the application form available in the Health Services Offices.

The Returned Check Fee is non-refundable and provides for the collection and processing of checks returned unpaid by banks.

The Records Management Fee provides for the cost of managing and maintaining all student records, including academic transcripts which are made available without additional cost to students. This fee is non-refundable.

The Replacement of Lost ID Card Fee is assessed when a student loses an ID card. The fee is charged at the time the student requests a replacement.

Tuition and Fees Schedule (as of fall 2003)

NOTE: The tuition deposit, which is applied to the payment of tuition, is non-refundable. An unused tuition deposit may be applied to the payment of tuition for a one-year period which will include the semester for which the tuition deposit was made.

Payment of full-time tuition permits a student to register for 12-19 credit hours of coursework in a semester. Special permission must be obtained from the Campus Dean in order to register for more than 19 credits in any semester. Each request is evaluated on the basis of its merit, including the student's prior academic records, and his/her commitments other than college.

Tuition for the summer, wintersession and other special sessions is based on the part-time tuition rate of $109.00 per credit for Suffolk residents and $218.00 per credit for non-residents. Other fees are applicable to the sessions as appropriate.

The level of tuition rates for non-credit courses is in general similar to credit course charges. Specific tuition rates are included in the appropriate Suffolk County Community College brochure.

The following schedule of tuition and fees for Suffolk County Community College is in effect through the summer of 2004 and applies to all campuses and extension sites of the college. The schedule of tuition and fees for the 2004-2005 and 2005-2006 academic years will be approved during the summers of 2004 and 2005, respectively.

Tuition and fees must be paid at the time of registration. In the event a course is canceled,
tuition and fees for that course are refunded in full.

All tuition, fees and related refund policies are subject to change at the discretion of the college. The following tuition and fees were in effect for the 2003-2004 academic year:

12 credits or more per semester (full-time)
Tuition, Residents,
per semester .......................... $1,300.00
Tuition, Non-Residents,
per semester .......................... 2,600.00
Application Fee (non-refundable) ........ 25.00
Placement Testing/Advisement Fee
(non-refundable) ....................... 25.00
Tuition Deposit (applied to tuition but non-refundable) ........ 100.00
College Fee, per semester .......... 70.00
Laboratory/Equipment/Special Program/
Distance Education/Telecourse Fee*,
per course ............................... 40.00
(Applicable courses are indicated in current catalog and course schedules.
Telecourse fees are not separately noted.)
Physical Education Service Fee*,
per course ............................... 40.00
(Applicable courses are indicated in current catalog.)
Accident Insurance Fee (mandatory),
per semester ........................... 14.00
Returned Check Fee,
each (non-refundable) ............... 20.00
Technology Fee (campus enrollees only), per semester ... 30.00
Records Management Fee, per semester . 8.00
Graduation Review Fee ............. 27.00
Liability Insurance Fee,
per semester ........................... 15.00
Challenge Examination Fee,
per course (non-refundable) .......... 100.00
Late Registration Fee, per session .... 25.00
(non-refundable; begins one week prior to first day of session)
Vehicle Registration Fee (per vehicle,
per academic year) .................... 10.00
English as a Second Language (ESL) Fee
(per semester):
Cat #’s XA01, XA26 .................. 175.00
Cat #’s XA04, XA05, XA32, XA33 .... 105.00
Cat #’s XA02, XA03, XA14, XA25 .... 70.00
Cat #’s XA09, XA92, XA93, XA94,
XA95, XA96, XA97, XA98, XA99 .... 75.00
Prior Learning Assessment (non-refundable)
Basic Fee for Portfolio Evaluation .... 100.00
Supplementary Fee .................... 1/3 Tuition of credits requested
College Level Examination Program
(CLEP) Fee ............................... 10.00
College Level Examination Program
(CLEP) Late Fee ........................ 15.00
Tuition Payment Plan Fee,
per semester (non-refundable) ....... 40.00
Late Payment Fee,
per assessment (non-refundable) .... 25.00
Replacement of Lost ID Card Fee .... 5.00
*The Laboratory/Equipment/Special Program/
Distance Education/Telecourse Fee and the Physical Education Service Fee partially provide for the extra costs of special supplies, equipment, technical support and supplemental instruction associated with certain courses designated in the course descriptions contained in the catalog. Telecourse fees are not separately noted.

Fewer than 12 credits per semester (part-time)
Tuition, Residents, per credit ........ $109.00
Tuition, Non-Residents, per credit ... 218.00
Application Fee (non-refundable) ... 30.00
Placement Testing/Advisement Fee
(non-refundable) ....................... 25.00
College Fee
1-5.5 credits ............................ 17.00
6-11.5 credits ........................... 34.00
Laboratory/Equipment/Special Program/
Distance Education/Telecourse Fee*,
per course ............................... 40.00
(Applicable courses are indicated in current catalog and course schedules.
Telecourse fees are not separately noted.)
Physical Education Service Fee*,
per course ............................... 40.00
(Applicable courses are indicated in current catalog.)
Returned Check Fee,
each (non-refundable) ............... 20.00
Technology Fee (campus enrollees only)
Per semester ............................ 15.00
Wintersession ............................. 5.00
Summer ................................. 15.00
Records Management Fee, per semester 4.00
Graduation Review Fee ............. 27.00
Accident Insurance Fee (optional),
per semester ........................... 14.00
Liability Insurance Fee, per semester 15.00
Challenge Examination Fee,
per course (non-refundable) ....... 100.00
Late Registration Fee, per session .... 15.00
(non-refundable; begins one week prior to first day of session)
Vehicle Registration Fee (per vehicle,
per academic year) .................... 10.00
English as a Second Language (ESL) Fee
(per semester):
Cat #’s XA01, XA26 .................. 175.00
Cat #’s XA04, XA05, XA32, XA33 . . .105.00
Cat #’s XA02, XA03, XA14, XA25 . . .70.00
Cat #’s XA09, XA92, XA93, XA94, XA95, XA96, XA97, XA98, XA99 . . .75.00
Prior Learning Assessment (non-refundable) Basic Fee for Portfolio Evaluation . .100.00
Supplementary Fee . . . . . . . 1/3 Tuition
of credits requested
College Level Examination Program (CLEP) Fee . . . . . . . . . .10.00
College Level Examination Program (CLEP) Late Fee . . . . . . . . . .15.00
Tuition Payment Plan Fee,
per semester (non-refundable) . . . . .40.00
Late Payment Fee,
per assessment (non-refundable) . . . . .25.00
Replacement of Lost ID Card Fee . . . . .5.00

Students are responsible for the purchase of their own textbooks and ordinary stationery supplies. While textbook costs may vary, the average cost to students ranges between approximately $75 to $100 per course. Textbooks and supplies can be obtained at the college bookstore located on each campus.

Refund Policy

Students who desire to withdraw from courses for any reason MUST OFFICIALLY NOTIFY THE COLLEGE BY COMPLETING A WITHDRAWAL/REFUND APPLICATION AVAILABLE IN THE CAMPUS REGISTRAR’S OFFICE. This notification requirement is also applicable to students who pay their tuition and fees through a financial aid or loan program. The date of such application will determine the percentage of tuition and fees refunded (in the case of cash payment), or the reduction in the student’s financial liability, if any (in the case of a tuition and fees deferral). Withdrawal/refund applications received after the refund period will not be considered. The ultimate responsibility for withdrawal from courses in order to receive a refund rests solely upon the student. Failure to attend classes, informing the instructor of withdrawal or stopping payment on a check does not constitute official notification of withdrawal.

Should a registered student withdraw prior to the beginning date of any session, according to the current academic calendar, the college will refund 100% of tuition and all refundable fees. Non-refundable fees include the Application Fee, Placement Testing/Advisement Fee, Tuition Deposit, Tuition Payment Plan Fee, Late Payment Fee, Returned Check Fee, Challenge Examination Fee, and Prior Learning Assessment Fee.

On or after the first day of the session, the refund policy follows:

1. There will be no refund of the College Fee, Accident Insurance Fee, Liability Insurance Fee, Vehicle Registration Fee, Technology Fee, Late Registration Fee, Records Management Fee or Graduation Review Fee.
2. Withdrawal on or after the first day of the session but before the end of the first week following the beginning of classes, excluding any holiday: 75% refund of tuition and Laboratory/Equipment/Special Program/Distance Education/Telecourse and Physical Education Service Fees.
3. After this date, but on or before the end of the second week of the session: 50% refund of tuition and Laboratory/Equipment/Special Program/Distance Education/Telecourse and Physical Education Service Fees.
4. After this date, but on or before the end of the third week of the session: 25% refund of tuition and Laboratory/Equipment/Special Program/Distance Education/Telecourse and Physical Education Service Fees.
5. After the completion of the third week of the session, students will not be entitled to any refund of any tuition or fees paid.

The specific dates for refund eligibility for all sessions are available at the campus Business Offices.

The college processes refunds after the final add/drop opportunity of each session. All refunds will be made by check.

Special Refund Provisions for Federal Financial Aid Recipients

Students receiving federal financial aid (Title IV) funds, including student loans, who totally withdraw anytime before 60% of the semester has been completed will have a portion of their financial aid funds refunded to federal accounts on a pro rata basis for the period not in attendance. For example, a student who attends for only 30% of a semester is entitled to receive only 30% of the grant and/or loan amounts awarded for that semester.

Summer Session/Wintersession/Special Session/Non-Credit Courses Refund Policy

Students who desire to withdraw from a course must complete the withdrawal/refund application as outlined above under Refund Policy.

In conformance with SUNY policy for
community colleges, refunds for withdrawals in summer session, wintersession, special session and non-credit courses are 100% before the start of the course and 25% in the first week. There are no refunds thereafter.

Students receiving Title IV (federal) student aid, including student loans, who completely withdraw before 50% of the session is completed for new students or 60% for all others, will have a portion of their student aid returned to federal accounts. Each student will also be assessed a $100.00 fee for administrative costs.

Adjustments of Financial Liability

Once a determination has been made under the refund policies outlined above, additional refunds or adjustments of financial liability will only be considered for a limited number of extenuating circumstances such as serious illness, death in the immediate family and military transfers. However, such refunds or adjustments of financial liability will not be considered for students who have attended classes beyond the midpoint of the semester, nor will requests be considered if they are submitted more than 30 days following the end of the semester of withdrawal. In addition, note that such circumstances as minor illnesses, general financial difficulties, transportation problems, job changes or conflicts, work schedule changes, or complaints about course content or instructional methodology are not considered extenuating circumstances which justify an additional refund or adjustment of financial liability.

Students who believe that their circumstances satisfy the guidelines described above should complete the “Request for a Refund/Adjustment of Financial Liability” form and submit it, with all required supporting documentation, to the Office of the Dean of Student Services on the campus where the classes in question are being taken. The decision of the Office of the Dean of Student Services is final.

Students who satisfy the criteria and documentation requirements will be granted a refund or adjustment of financial liability ranging from 25%-100% of tuition and refundable fees based on how long the student was able to attend classes before withdrawing.

FINANCIAL AID

General Information

Financial aid is assistance that the college, state and federal governments make available to eligible students to help them meet expenses while attending college. Students who think they will have difficulty meeting the total cost of going to college should apply for financial aid. Most of the college’s financial aid is awarded based on financial need, which is defined as the cost of college minus family resources. Financial aid may never exceed financial need. In many instances, Suffolk County Community College is able to meet the student’s full financial need with grants that do not have to be repaid.

All aid applicants must be matriculated in a degree or certificate program. Only courses that are required or applicable to the student’s current degree program are eligible for financial aid. Students repeating courses previously passed are not eligible.

The following are college costs at Suffolk County Community College for 2003-2004:

**Dependent Student: Full-Time - 9 Months**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition/Fees*</td>
<td>$3,152/year</td>
</tr>
<tr>
<td>Books/Supplies</td>
<td>850/year</td>
</tr>
<tr>
<td>Travel</td>
<td>1,506/year</td>
</tr>
<tr>
<td>Personal</td>
<td>1,200/year</td>
</tr>
<tr>
<td>Home Maintenance</td>
<td>2,550/year</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$9,258/year</strong></td>
</tr>
</tbody>
</table>

**Self-Supporting Student: Full-Time - 9 Months**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition/Fees*</td>
<td>$3,152/year</td>
</tr>
<tr>
<td>Books/Supplies</td>
<td>850/year</td>
</tr>
<tr>
<td>Travel</td>
<td>1,506/year</td>
</tr>
<tr>
<td>Personal</td>
<td>1,200/year</td>
</tr>
<tr>
<td>Home Maintenance</td>
<td>4,250/year</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$10,958/year</strong></td>
</tr>
</tbody>
</table>

*Tuition and fees may be subject to change.

The first step in applying for financial aid is completion of the “Free Application for Federal Student Aid” (FAFSA). All aid applicants at SCCC must file this form to be considered for any aid, including student loans. Students interested in also applying for financial aid sponsored by New York State can file with the same FAFSA. New York State will then utilize the FAFSA results to generate a notification to students on their state Tuition Assistance Program (TAP) awards. Each campus Financial Aid Office has a Help Center where students can file electronically to expedite their award processing.

Since students must be matriculated and taking courses applicable to their current degree or certificate program in order to receive any financial aid, all applicants for financial aid, whether full-time or part-time, should have filed a formal application for admission to the college and have all academic credentials
forwarded to the college's Central Admissions Office, 533 College Road, Selden, New York 11784-2899. Financial aid cannot be disbursed until a final official high school transcript with date of graduation or General Education Diploma (GED) is on file in the Admissions Office or the student has been admitted to the college under Ability to Benefit (ATB) guidelines (see page 30).

The federal processor reviews family income and assets and computes an “expected family contribution” (EFC) to educational cost. The college subtracts the “EFC” from the college cost to determine financial need. The financial need represents the amount of money required minus family resources to meet college expenses for the academic year.

Students eligible for financial assistance under any of the college-based financial aid programs (FSEOG, FWSP, APTS, EOP) will receive an award letter. If a student filed for a Pell Grant and wishes to use Pell Grant funds to attend Suffolk, the student must list SCCC as one of their college choices. This enables the college to receive the Student Aid Report (SAR) electronically. The college will then mail an award letter to the student containing the federal award.

The award notification for state tuition assistance (TAP) will be sent to the student by the New York State Higher Education Services Corp., Albany, New York.

The Higher Education Amendments of 1992 renamed the Guaranteed Student Loan Program as the Federal Family Education Loan Program (FFELP). The individual loan types have been changed to the Federal Stafford Loan (Subsidized/Unsubsidized) and the Federal Parent Loan (PLUS).

All student loan payments are transmitted directly to the college by the lender or guarantor which has approved the loan. Students/parents should check the “EFT” box on their loan application in order to receive their loan funds more quickly. This enables their loans to be received electronically at the college. See the section on loans beginning on page 48 in this catalog for additional information.

For more complete financial aid information and/or assistance, visit the college’s Web site or contact the Financial Aid Office on any campus. There the financial aid specialists assist matriculated students with the application process for all federal and state financial aid programs and numerous loan programs. In addition to providing all appropriate application materials, services include financial aid counseling, assistance in completing applications, and resolving problems throughout the process.

**FINANCIAL AID OFFICES**

**Ammerman Campus**
Ammerman Bldg., Room A16
533 College Road
Selden, NY 11784-2899
631-451-4072 (phone), 631-451-4640
(fax)
faammerman@sunysuffolk.edu

**Eastern Campus**
Peconic Bldg., Room 112
Riverhead, NY 11901-3499
631-548-2525 (phone), 631-548-2504
(fax)
faeast@sunysuffolk.edu

**Grant Campus**
Caumsett Hall, Room 30
Crooked Hill Road
Brentwood, NY 11717-1092
631-851-6712 (phone), 631-851-6814
(fax)
fawest@sunysuffolk.edu

**Deadlines**
The college recommends that incoming students complete the filing process by March 15 preceding the fall semester when entering in the fall.

Students who file for admission after February 15 should file their application for financial assistance at the same time as their admission application. It takes approximately six to eight weeks for all financial aid credentials to reach the Financial Aid Office. **The college cannot process a student’s application for financial aid until the student has been accepted for enrollment and all necessary materials are received (Pell Grant Student Aid Report, all tax forms and/or non-taxable information, and official high school transcript).** However, applications will continue to be accepted as long as funds are available.

**Renewal**
Since a student’s financial situation can change, financial aid is not automatically renewed and must be applied for each year. For continuing students, the college requires an application for renewal of financial aid to be filed no later than April 15. You may use a Renewal FAFSA to reapply.

In order to be continued on most federal and state financial aid programs, students must be in good academic standing and maintain satisfactory academic progress. See the Academic and Student Policies section of this catalog for a
definition of good academic standing. The satisfactory progress standards for financial aid recipients are contained in the charts on page 52.

**Withdrawal or Change of Status**

Students who cease attendance before the 60th percentile of the semester will have their financial aid prorated. Students who wish to withdraw from the college or change status (go from full-time to part-time or reduce the number of part-time credits) for any reason must complete a refund application available in the campus Registrar’s Office. The date of such application during the first three weeks will determine the institutional percentage of tuition refundable and could affect the amount of financial aid received. Recovered financial aid funds must be returned to the respective sources on a program basis. No tuition is refundable if the withdrawal is filed after the third week of class. Failure to follow the proper withdrawal procedure could result in the student paying full tuition and fees. Students receiving a pro rata reduction of federal student aid when withdrawing before 60% of the semester is completed may be liable for any outstanding tuition due.

**Review**

Financial aid applicants may review decisions of the Financial Aid Office by making an appointment with a campus financial aid counselor.

**Independent Student Status**

The definition of “independent students” has been revised by the federal government and applies to all federal aid programs under Title IV regulations including the Federal Family Loans. An independent student is an individual who meets one of the following criteria:

1. An individual at least 24 years old by December 31 of the award year (i.e., 2004 for the 2004-2005 year)
2. An orphan or ward of the court
3. A veteran of the Armed Forces of the United States
4. An individual with legal dependents other than a spouse
5. A married person

Students applying for state tuition assistance (TAP) must follow a different set of guidelines to be considered independent. TAP will consider a student over 35 years of age independent regardless of any other circumstances. Applicants between 25 and 35 years of age must meet additional requirements for independence. Students under 22 years of age (as of July 1) will usually not be considered independent with respect to state programs.

The federal/state regulations governing independent status are complicated and subject to change. It is suggested that students consult with a campus financial aid counselor if they are considering filing for financial aid as an independent student.

**Federal Government Grants**

**Pell Grant (PELL)**

Students may apply for a Pell Grant (PELL) if they are enrolled at Suffolk County Community College and taking courses toward their current degree as a matriculated student. To be eligible for a Pell Grant, students must have financial need. Generally, the awards will range from $400 to $4,050 per year.

**Federal Supplementary Educational Opportunity Grant (FSEOG)**

FSEOG is intended to assist students with low family contributions and the greatest need. Students are eligible to apply for FSEOG if they are taking courses toward their current degree as a matriculated student. Awards will be based on the financial need of the student. Generally, the awards will range from $200 to $600 per year with a priority for Pell recipients.

**Hope Scholarship (to reduce taxes)**

One of the major provisions of the Federal Tax Relief Act of 1997 is a tax credit entitled the HOPE Scholarship, which is designed to extend educational opportunities to low and middle income individuals. Eligibility is restricted to students enrolled in the first two years of post-high school study whose income does not exceed $50,000, or $100,000 if filing a joint return. The Relief Act became effective on January 1, 1998. Please contact your tax specialist for additional information.

**New York State Government Grants**

**Tuition Assistance Program (TAP)**

The Tuition Assistance Program (TAP) is available to residents of New York State who are full-time students (12 credits or more) at any accredited college in New York State. The TAP award is based on the family’s New York State net taxable income. Awards range from a minimum of $275 to a maximum of $2,600 per year. To be considered full-time for financial aid purposes, students must be enrolled for at least 12 credits toward their current degree program, including required developmental courses. In addition, new students must take at least one
course which earns at least 3 credits toward their current degree; the remaining courses may be non-credit developmental courses. Continuing students must take courses which earn at least 6 credits toward their current degree (i.e., of the 12 credits taken) in order to be considered full-time; the remaining courses may be non-credit developmental courses. Students are not covered for repeat courses that were successfully completed in the past. All courses used to qualify for financial aid must be required for the degree or certificate.

Aid for Part-Time Study (APTS)
Undergraduate part-time matriculated students attending participating degree-granting schools in New York State may be eligible to receive tuition assistance for part-time study. To be eligible for an award a student must fulfill the following criteria:
- be a resident of New York State;
- be either a U.S. citizen, permanent resident alien or refugee;
- be a high school graduate, or receive the equivalent of a high school certificate, or receive a passing grade on a federally approved examination;
- be matriculated as a part-time student in an approved undergraduate degree or certificate program;
- be enrolled for at least 3 but less than 12 credits toward the current degree program per semester.

Awards for Children of Deceased or Disabled Veterans, Police Officers and Firefighters
Child of Veterans Awards (CV) are for children of deceased or disabled veterans of the war periods 1917-18, 1941-46, 1950-53 and 1961-73. There are also awards for children of servicemen who are prisoners of war or missing in action from those periods. The award is $450 a year for up to four years of full-time college study in New York State.

Child of Police Officers/Firefighters Awards are for children of deceased police officers or firefighters who died as a result of an on-the-job injury after June 30, 1982. The award is $450 a year for up to four years of undergraduate study.

Vietnam and Gulf veterans should contact NYHESC at (518) 473-7087 for additional information.

Aid for Native American Students
Under New York State Education Law, assistance is provided for Native American students from any of the several Native American tribes located within the state who are residents of a reservation. The maximum individual grant is $775 per year for a period not to exceed four years.

For further information concerning aid to Native Americans, the student should contact:
Native American Education Unit
NYS Education Department - Room 543
Albany, New York 12234
Phone: (518) 474-0537

Financial Assistance Awards by Agencies Outside the College
There are several additional types of financial assistance programs provided by state and federal agencies from which students may be eligible to receive assistance.

1. Vocational and Educational Services for Individuals with Disabilities (VE-SID)
Contact the District Office located at Hauppauge, NY by calling (631) 952-6357; at Riverhead, NY by calling (631) 727-6496.

2. Benefits under the G.I. Bill and the War Orphans Assistance Program
Information is available by contacting the Veterans Administration toll-free at (888) 442-4551 or (800) 827-1000.

3. Benefits available by being a student and part-time soldier
For educational purposes only, up to a maximum of $9,768 can be received by serving in the Army Reserves. New York National Guard pays 100% of tuition charges. Contact your local State Armory and/or U.S. Army Reserve Unit. Loan repayment assistance is also available. Contact the Veterans Administration for additional information.

Loans
Federal Family Education Loan Program
The Higher Education Amendments of 1992 renamed the Guaranteed Student Loan Program as the Federal Family Education Loan Program (FFELP). The individual program names have been changed to the Federal Stafford Loan (Subsidized/Unsubsidized) and Federal Parent Loan (PLUS).

These loan programs enable the student and/or parent to borrow from a lender such as a bank, credit union or savings and loan association to help pay educational costs.

Students may apply for a loan if they are enrolled or have been accepted at the college.
as a matriculated student in at least a half-time program of study (6 hours).

All students must apply for a Pell Grant by using the FAFSA (“Free Application for Federal Student Aid”) before consideration is given to Federal Stafford Loan (Subsidized & Unsubsidized) eligibility and Parent Loans (PLUS).

Length of the repayment period depends upon the date the promissory note matures as well as the total amount borrowed. A student borrower may be permitted to make payments of less than $50 per month under unusual and extenuating circumstances. Request for such forbearance must be made to the lender.

### TYPICAL REPAYMENT PLANS

<table>
<thead>
<tr>
<th>TOTAL LOAN AMOUNT</th>
<th>NUMBER OF PAYMENTS</th>
<th>NUMBER OF MONTHLY PAYMENTS</th>
<th>INTEREST CHARGES</th>
<th>TOTAL PAID</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,600.00</td>
<td>65</td>
<td>$50.00</td>
<td>$628.42</td>
<td>$3,228.42</td>
</tr>
<tr>
<td>$4,000.00</td>
<td>120</td>
<td>49.06</td>
<td>1,887.20</td>
<td>5,887.20</td>
</tr>
<tr>
<td>$7,500.00</td>
<td>120</td>
<td>91.99</td>
<td>3,538.80</td>
<td>11,038.80</td>
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<tr>
<td>$10,000.00</td>
<td>120</td>
<td>122.65</td>
<td>4,718.00</td>
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<tr>
<td>$15,000.00</td>
<td>120</td>
<td>183.98</td>
<td>7,077.60</td>
<td>22,077.60</td>
</tr>
</tbody>
</table>

**Federal Subsidized Stafford Loan Program**

Depending on need as determined by the federal application (FAFSA), students may borrow up to $2,625 for the first year and up to $3,500 for the second year. The student cannot borrow more than the cost of education minus the expected family contribution (EFC) and any other financial aid received. If the total financial aid including EFC is less than the cost of education, the student is considered to have need and is eligible for a subsidized Federal Stafford Loan. Students pay a 3% origination/insurance fee collected by the lender and submitted to the Department of Education.

Loan repayments begin six months after the student graduates, leaves school or drops below half-time status. The federal government pays the interest while the student is enrolled.

The amount of each payment depends upon the size of the student’s debt. Monthly payments and the ability to make those payments should be determined prior to taking out such a loan. The interest rate is currently 3.42%.

**Federal Unsubsidized Stafford Loan Program**

Unsubsidized Stafford Loans are available to all matriculated students regardless of income, but only after a student has filed a FAFSA. Interest rates and loan limits are the same as in the subsidized Federal Stafford Loan Program. Interest payments for the unsubsidized Stafford begin on the day the loan is disbursed, and the student is responsible for interest accrued during in-school and deferment periods. Interest payments can be paid monthly, quarterly, or be capitalized by the lender and added to loan principal. Repayment begins six months after the student ceases to be enrolled at least half-time. Borrowers can receive subsidized and unsubsidized loans for the same loan period but the combined total of both programs cannot exceed Federal Stafford Loan Program annual limits. The subsidized loans must be applied for first. Independent students may receive up to an additional $4,000 in unsubsidized loans.

**Parent Loans for Undergraduate Students (PLUS)**

PLUS loans are for parent borrowers. Annual loan limit is the cost of education minus other financial aid for each dependent student.

**Part-Time Employment**

**Federal Work-Study Program**

The Federal Work-Study Program provides jobs for students who have applied for financial aid, demonstrate financial need and must earn part of their educational expenses. The student must be enrolled and matriculated to be considered for this program. Jobs may be on- or off-campus, and work hours are usually arranged around the student’s class schedule. The Work-Study Program also provides opportunity for students to work as tutors of English and mathematics in local school districts through the America Reads Program.

The maximum number of hours one may work while classes are in session is 30 hours per week, and the salary is significantly above the current minimum wage. Students interested in summer employment must apply by April 1. Generally, awards will range from $1,700 to $3,500 per year.

**Part-Time Jobs on Campus**

In addition to Federal Work-Study there are other part-time jobs on campus which are funded under the budgets of various academic departments. Student tutor jobs are also available on campus. These jobs are not based on the student’s financial need. Information on off-campus, part-time employment is available on the college’s Web site (go to Career Services/Job Connection).

**How to Apply**

**Federal Program**

The Free Application For Federal Student Aid (FAFSA) is the primary document for ALL financial aid applicants. Students are strongly
## Federal and State Financial Assistance Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>How to Apply</th>
<th>Award</th>
<th>Income Criteria</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Pell Grant (Pell)</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a></td>
<td>$200-$2025/semester; $400-$4050 annually</td>
<td>Varies – dependent on financial need that would include income, assets, household size, and number of siblings in college. Financial need determined by the Federal Methodology Formula.</td>
<td>Available for both part- and full-time study</td>
</tr>
<tr>
<td>Federal Supplemental Educational Opportunity Grant (SEOG)</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a></td>
<td>$50-$500/semester; $100-$1000 annually</td>
<td>Same as above – demonstrating financial need.</td>
<td>Available for both part- and full-time study</td>
</tr>
<tr>
<td>Federal Work-Study Program (FFSP) and America Reads Program</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a></td>
<td>Up to $2500/semester; $8.50-$10.50/hour; Summer $2100</td>
<td>Same as above – demonstrating financial need.</td>
<td>Available for both part- and full-time study</td>
</tr>
<tr>
<td>Federal Family Education Loan (FFEL)</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a> and Master Promissory Note (MPN) from Lender or Guarantor</td>
<td>1st year up to $2625; 2nd year up to $3500; Independent students up to an additional $4000/year</td>
<td>Subsidized Loan: Same as above – must also demonstrate “financial need;” Unsubsidized Loan: no income criteria</td>
<td>Minimum 6 credits/semester</td>
</tr>
<tr>
<td>Parent Loan for Undergraduate Students (PLUS)</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a> and PLUS application from lending agency</td>
<td>Minimum: $200/year; Maximum: “Cost of Attendance” less other financial aid</td>
<td>No income criteria. However, parent borrower must have good credit and satisfactory income-to-debt ratio.</td>
<td>Minimum 6 credits/semester</td>
</tr>
<tr>
<td>NYS Tuition Assistance Program (TAP)</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a> and Express TAP Application (ETA)</td>
<td>Minimum: $137/semester Maximum: full tuition or $1300/semester</td>
<td><strong>Dependent Students and Independent Students with Dependents:</strong> NYS taxable income not to exceed $80,500; <strong>Single Independent Students:</strong> NYS taxable income not to exceed $10,000</td>
<td>Full-time study only (12+ degree credits/semester)</td>
</tr>
<tr>
<td>NYS Aid for Part-Time Study Program (APTS)</td>
<td><a href="http://www.fafsa.ed.gov">www.fafsa.ed.gov</a> and APTS application</td>
<td>Not to exceed total tuition, or up to $1000/semester</td>
<td><strong>Single/Independent/no dependents:</strong> NYS taxable income not to exceed $34,250; <strong>Dependent Student or Independent with Dependents:</strong> NYS taxable income not to exceed $50,500</td>
<td>Part-time study only (3-11 credits/semester)</td>
</tr>
</tbody>
</table>
encouraged to file the FAFSA electronically as soon as possible. The process can be expedited by filing on the web at http://www.fafsa.ed.gov, either at home or by using a personal computer at any of the campus Financial Aid Offices.

When completing the FAFSA, applicants are asked to indicate their interest in the Federal Work-Study Program and the Federal Family Education Loan Program. In addition, note that all applicants, based on their financial need, will automatically be considered for a Federal Supplemental Educational Opportunity Grant on a first-come first-served basis. Additional application and eligibility information is available in the chart on the previous page.

**Additional Applications**

**Tuition Assistance Program (TAP) and Child of Veterans Awards**

After filing a FAFSA, an Express TAP Application (ETA) will be mailed to the student. The student should check all information, make changes where necessary, sign the application and return it to Higher Education Services Corporation (HESC). The student will then receive a TAP award letter from HESC.

**New York State Aid for Part-Time Study (APTS)**

After filing a FAFSA, students will then be sent an APTS application by the campus Financial Aid office, which should be completed and returned.

Students with the greatest financial need are selected and awards are made on a term by term basis. For more information or applications contact the campus Financial Aid office. Note that APTS is a tentative award and all enrollment conditions must be met when the actual funds are received from Albany for payment to the student.

**Parent Loans for Undergraduate Students (PLUS)**

First apply for other aid through completion of the Free Application for Federal Student Aid (FAFSA) to ensure consideration for all sources of aid. The maximum interest rate is 9%.

The college will forward award notices to students who indicate a preference for borrowing. Students will also receive a Master Promissory Note (MPN) from NYHESC. This note must be completed and returned to Albany for a loan approval. Disbursement of loan proceeds will follow.

**Satisfactory Academic Progress for All Financial Aid Recipients**

Federal and state regulations require that the college maintain and administer academic progress and program pursuit requirements. These requirements may be waived due to extenuating circumstances. The waiver is not automatic; it requires a judgment by the college that the student’s failure to meet these academic progress standards was due to a documented unusual situation (e.g., medical, death in family, etc.). Moreover, if the waiver is granted, the student’s current academic record must illustrate that he/she can regain the satisfactory standard in the coming semester.

It should be noted that a waiver is not a student entitlement but is issued in accordance with individual student circumstances. For federal programs, new students who perform poorly in their first semester will be granted a conditional waiver and required to satisfy certain conditions in their next semester. Note also that grades of W, F, U and R are not considered satisfactory course completions for financial aid purposes.

Each semester financial aid recipients who fall below the standards listed in the charts on the next page will be notified in writing of their difficulty and informed of the waiver procedures for each campus. These notifications will be issued each semester when students’ cumulative academic records are reviewed. Students are notified of the results of their waiver applications in writing. To continue to receive student financial assistance, it is essential for students to consistently maintain these standards of satisfactory progress.

**NOTE:** To be considered full-time for financial aid purposes, students must be enrolled for at least 12 credits toward their current degree program, including required developmental courses. In addition, new students must take at least one course which earns at least 3 credits toward their current degree; the remaining courses may be non-credit developmental courses. Continuing students must take courses which earn at least 6 credits toward their current degree (i.e., of the 12 credits taken) in order to be considered full-time; the remaining courses may be non-credit developmental courses. Students are not
**SUFFOLK COUNTY COMMUNITY COLLEGE REQUIREMENTS FOR 2004-2005**

**TITLE IV SATISFACTORY PROGRESS**

<table>
<thead>
<tr>
<th>Course Hours Attempted</th>
<th><em>Total</em></th>
<th>Successful</th>
<th>Grade Point</th>
<th><em>Total</em></th>
<th>Successful</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Course Hours</td>
<td>Accrued</td>
<td>Point Average</td>
<td>Course Hours</td>
<td>Accrued</td>
<td>Point Average</td>
</tr>
<tr>
<td>1 - 6</td>
<td>0</td>
<td>0.0</td>
<td></td>
<td>53 &amp; 54</td>
<td>38</td>
<td>2.0</td>
</tr>
<tr>
<td>7 - 12</td>
<td>6</td>
<td>1.5</td>
<td></td>
<td>55 &amp; 56</td>
<td>39</td>
<td>2.0</td>
</tr>
<tr>
<td>13 &amp; 14</td>
<td>7</td>
<td>1.6</td>
<td></td>
<td>57 &amp; 58</td>
<td>40</td>
<td>2.0</td>
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<tr>
<td>15 &amp; 16</td>
<td>8</td>
<td>1.6</td>
<td></td>
<td>59 &amp; 60</td>
<td>41</td>
<td>2.0</td>
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<tr>
<td>17 - 20</td>
<td>10</td>
<td>1.6</td>
<td></td>
<td>61 &amp; 62</td>
<td>43</td>
<td>2.0</td>
</tr>
<tr>
<td>21 - 23</td>
<td>12</td>
<td>1.6</td>
<td></td>
<td>63 &amp; 64</td>
<td>44</td>
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<tr>
<td>24 - 25</td>
<td>14</td>
<td>1.6</td>
<td></td>
<td>65 &amp; 66</td>
<td>46</td>
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<tr>
<td>26 - 27</td>
<td>15</td>
<td>1.6</td>
<td></td>
<td>67 &amp; 68</td>
<td>48</td>
<td>2.0</td>
</tr>
<tr>
<td>28 - 30</td>
<td>18</td>
<td>1.6</td>
<td></td>
<td>69 &amp; 70</td>
<td>50</td>
<td>2.0</td>
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<tr>
<td>31 - 33</td>
<td>20</td>
<td>1.6</td>
<td></td>
<td>71 &amp; 72</td>
<td>51</td>
<td>2.0</td>
</tr>
<tr>
<td>34 - 36</td>
<td>23</td>
<td>1.6</td>
<td></td>
<td>73 &amp; 74</td>
<td>52</td>
<td>2.0</td>
</tr>
<tr>
<td>37 &amp; 38</td>
<td>25</td>
<td>1.8</td>
<td></td>
<td>75 &amp; 76</td>
<td>54</td>
<td>2.0</td>
</tr>
<tr>
<td>39 &amp; 40</td>
<td>27</td>
<td>1.8</td>
<td></td>
<td>77 &amp; 78</td>
<td>56</td>
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<tr>
<td>41 &amp; 42</td>
<td>29</td>
<td>1.8</td>
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<td>79 &amp; 80</td>
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<td>43 &amp; 44</td>
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<td>1.8</td>
<td></td>
<td>81 &amp; 82</td>
<td>59</td>
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<tr>
<td>45 &amp; 46</td>
<td>32</td>
<td>1.8</td>
<td></td>
<td>83 &amp; 84</td>
<td>61</td>
<td>2.0</td>
</tr>
<tr>
<td>47 &amp; 48</td>
<td>33</td>
<td>1.8</td>
<td></td>
<td>85 &amp; 86</td>
<td>63</td>
<td>2.0</td>
</tr>
<tr>
<td>49 &amp; 50</td>
<td>35</td>
<td>1.8</td>
<td></td>
<td>87 &amp; 88</td>
<td>65</td>
<td>2.0</td>
</tr>
<tr>
<td>51 &amp; 52</td>
<td>36</td>
<td>1.8</td>
<td></td>
<td>89 &amp; 90</td>
<td>67</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>91+</strong></td>
<td><strong>75%</strong></td>
<td><strong>2.0</strong></td>
<td></td>
<td><strong>91+</strong></td>
<td><strong>75%</strong></td>
<td><strong>2.0</strong></td>
</tr>
</tbody>
</table>

* All students pursuing a second associate degree will be expected to successfully complete 75% of all course attempts.

In addition to meeting the requirements for Title IV satisfactory progress, students must also meet the following standards of satisfactory academic progress for State Aid programs.

**REQUIREMENTS FOR STATE ACADEMIC PROGRESS AND PURSUIT payments or semesters**

<table>
<thead>
<tr>
<th>Before Being Certified for this Payment</th>
<th>First</th>
<th>Second</th>
<th>Third</th>
<th>Fourth</th>
<th>Fifth</th>
<th>Sixth</th>
<th>Seventh</th>
<th>Eighth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Must Have Accrued At Least This Many Credits</td>
<td>0</td>
<td>3</td>
<td>9</td>
<td>18</td>
<td>30</td>
<td>45</td>
<td>60</td>
<td>75</td>
</tr>
<tr>
<td>With at Least This Grade Point Average</td>
<td>.0</td>
<td>.5</td>
<td>.75</td>
<td>1.3</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Student Must Have Also Completed in Prior Semester</td>
<td>0</td>
<td>6</td>
<td>6</td>
<td>9</td>
<td>9</td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>
covered for repeat courses that were successfully completed in the past. All courses used to qualify for financial aid must be required for the degree or certificate.

SCHOLARSHIPS
Suffolk County Community College offers more than 340 scholarships worth over $400,000. The scholarship program is administered under the auspices of the Suffolk Community College Foundation, Inc. Scholarships are made available through the generosity of various individuals, student organizations, college faculty and staff, local and community groups, business firms, and through the fundraising activities of the Suffolk Community College Foundation. Each campus has a Scholarship Committee which coordinates the selection of scholarship recipients. Eligibility criteria vary depending upon the particular scholarship in question. Typical criteria include grade point average and credits completed, while selected scholarships may also require enrollment in a specific academic program, residence in a limited geographic area, community service or co-curricular activities. Other factors which may be considered include essays, faculty recommendations and interviews. The actual selection process is coordinated by both campus and collegewide scholarship committees.

Scholarships for Entering Freshmen
Alumni Association Family
American Hellenic Educational Progressive Association (AHEPA)
Margaret Campo
East Northport Lions Club
Estée Lauder
J. Robert Fisher Honors
J. Robert Fisher Minority
Paul J. Fitzpatrick Memorial
Robert Fountaine Memorial
Honors Program Foundation
Charles F. Kelly, Jr. Memorial
Salvatore J. LaLima
Mind Over Matter
Minority Achievers Scholarship Program (M.A.S.P.)
National Science Foundation Engineering Newsday
Phi Theta Kappa Honor Society
Presidential
Peggy Stewart Memorial
Raymond Riennecker Music
Scouting
Sunrise Firefighters

Scholarships for Continuing Students
General Academic Merit
Barnes and Noble Bookstore
John A. DeFina Memorial
Full Deck Scholarship
General Academic Merit
G. Drews and Staff Award
Long Island Street Rod Association
Guiseppe A. Nigro Lodge
John L. Parker Memorial
Mother Cabrini
Paul Hutter Memorial
Italian-American Heritage
Robert T. Kreling
Vincent "O'Leary
Smithtown Stitchers
SCC Foundation
Grant Campus Longevity

Business
Rosemarie V. Dilks Memorial
James A. Perry
Frank Pullara Memorial
Dominic Riemma Family Memorial
Astor Business
H. Jay Jude Bruhn Memorial
Business Area Memorial
Martin F. Decatur
John Helfenstein
Ethel Malloy Memorial
Iurma Drange-Dunnett Memorial
Walter Hamilton Memorial
Eastern Long Island Executives (E.L.I.E.)
Barbara Burggraf Memorial
Mimi Krinsky Memorial
Yvonne K. Bouia
Mike Todd Memorial
Harvest Festival/Hospitality

Communication and the Arts
David Demsky
Astor Communications and the Arts
Art
B&M Art Supply
Gail Cohen Edelman Memorial
John Daly Memorial
Maurice N. Flecker
Lawrence Foundation
Frank Livernoche
Vanessa Todd Memorial
Eastern Long Island Quilters Guild
Irene DiBartolo
Lou Grasso Memorial
Leonard Goldberg Memorial
Joseph Koenig-Munz
Kenny Rogers
Paul Salzman
Shirley Cox Theatre Award
Wayne Nester Journalism
Harriette Novick

Computing
Barbara Burggraf Memorial
Mimi Krinsky Memorial
Astor Computing
Cappuccio Peterson Memorial
Maitland Mascarenhas
Computer and Information Processing Society
Raymond Wood Memorial

Health, Community and Human Services
Louise and Harold Perkal Memorial
Frederich H. Strybing Memorial
Harvest Festival/Hospitality
John Dodds Memorial (AEMT)
George F. Hanley III Memorial
Astor, Health, Community and Human Services
David A. Tereshko Memorial
Lana T. Caruso
Sean M. Coffey
Crosley
Majorie P. Doyle
Audrey Gabriel Memorial
Gail Ellen Grogan Memorial
Helen Naviloff Memorial
Nursing Club
Nursing Club Pin Award
Patricia Reckenbeil
Kenny C.O.T.A. Memorial
Physical Therapist Assistant
Veterinary Science Award

Liberal Arts
June D. Hudis Memorial
Morton D. Strassberg
Harry Crooke
Karl and Doris Erhardt Memorial
Richard Preston Memorial
E.S.L.
Eraclis Karahalis Memorial
Tracey Stark Memorial
DeLuca Italian Club

Andrew Wohlfart Memorial
Louise B. Perkal Memorial
Tracey Stark Memorial
Astor Liberal Arts
Andrea Brown Memorial
Ellis Von Eschen Memorial
Dr. Robert Frey Family Foundation
Jerry Guszack Memorial
William Agins Memorial
Christina and Gaspare L. LaSala
Ron Lipp Memorial
Richard Fox Memorial
Lynn Buck Women’s Studies

Technical, Scientific and Engineering
Dayton T. Brown
Astor Technical, Scientific and Engineering
Bridgestone

Special Criteria
W.I.L.L.
African Peoples Association
Thurgood Marshall Rosa Parks Leadership
Frances Plourd Memorial/AME
Gerry Trerotola Memorial/AME
Dawnmarie A. Gerenstein Memorial
Suffolk County Community College Women’s Association
Margaret P. and James O’Brien Memorial
Human Resources Club
Morine Hamilton
Cooperative Education and Internship
John Speirs Memorial
Laura Provenzano
Annette Rapkin Office of Student Activities
Rita Griff/Phi Theta Kappa
SCC Spirit
Dr. Marianne Byers Memorial
Henry Andrew Memorial
Association of Latin American Students (A.L.A.S.)
Jorge Cordero Latin Hispanic Student Union
Mildred Green
David Elkins Memorial
Phi Theta Kappa
Glenda Rosenblum Memorial
Albert M. Ammerman
D.I.S.C.
Jack Schanfeld
Daniel B. DePonte Student of the Year
John Dodds Memorial (PBA)
Frances J. Manfredi Memorial
How to Apply and/or Get Additional Information
For more complete scholarship/award information and application procedures, contact any of the offices listed below:

**AMMERMANN CAMPUS**
Suffolk County Community College
Dean of Student Services
Ammerman Building, Room A16
Selden, NY 11784-2899
(631) 451-4043

**EASTERN CAMPUS**
Suffolk County Community College
Financial Aid Office
Peconic Building, Room 112
Riverhead, NY 11901-3499
(631) 548-2525

**CENTRAL ADMISSIONS OFFICE**
Suffolk County Community College
533 College Road
Selden, NY 11784-2899
(631) 451-4031

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**SCCC Alumna Profile**

**Miriam Calabrese, Class of 1993**
Hospice Nurse

As a cancer survivor, Miriam understands the needs of terminally ill patients and their families. Embracing a person’s suffering and acting as a source of hope while walking along side him or her remains central to her nursing philosophy. Prepared with a master’s degree and board certified as a nurse practitioner in Palliative Care, she does just that for her clients of Good Shepherd Hospice.

A returning adult student and mother of three, Miriam entered SCCC’s Nursing program in 1990 and graduated three years later with a 4.0 GPA. She received the John H. Astor Memorial Scholarship and was a member of the Phi Theta Kappa and Pi Alpha Sigma honor societies. “It was a counselor at the Grant Campus who gave me the confidence to pursue a college degree as a returning adult student,” says Miriam. “I benefited greatly from the college’s high sensitivity to the adult learner, as well as from its strong faculty and curriculum.”

Because of her positive experience at SCCC, Miriam decided to further her education at St. Joseph’s College, where she earned a B.S. degree in Nursing and graduated in 1999 as a Distinguished Graduate. She was profiled as an exemplary student in the journal *Nursing Spectrum* and the Professional Nurses Association of Suffolk County Newsletter.

Miriam’s interest in palliative care began with her work in the HIV/AIDS unit at North Shore University Hospital shortly after she graduated from Suffolk. It also led her to New York University’s Master of Arts in Nursing program, where she received her Advanced Practice Degree in Palliative Care in 2003.

A member of the New York State Nurses Association and Hospice and Palliative Care Nurses Association, Miriam also serves on the Nursing Advisory Council for Curriculum at St. Joseph’s College. In recognition of her outstanding work with chronically ill infants, adults and their families in the home care setting, she won the South Shore Home Health Services Dedication and Commitment Award and was nominated for a Hero in the Home Award, given by the New York State Association of Health Care Providers, Inc., in 2001.
INTRODUCTION
The college enrolls a diverse group of students with a broad range of abilities, interests, ages and cultural backgrounds. In order to help all students achieve their full potential and obtain the most from their educational experience, the Student Services Division supports the philosophical statement advanced by the National Association of Student Personnel Administrators as follows:

“Student services has a diverse and complicated set of responsibilities. As a partner in the educational enterprise, student services enhances and supports the academic mission. In addition, student services professionals advocate for the common good and champion the rights of the individual, encourage intelligent risk-taking and set limits on behavior, encourage independent thought and teach interdependent behavior. The student services staff is committed to helping students successfully meet these challenges.”

REGISTRATION AND RECORDS
The campus Registrar’s Offices assist students with all activities related to their registration for classes, including adding and dropping classes and withdrawal from classes during the semester. Additional services include verifying student enrollment and academic status for insurance, financial aid and veteran benefits; and providing copies of the semester course schedule, student class schedules and unofficial transcripts. The Central Records Office maintains academic records for all students, verifies enrollment status for employment, evaluates eligibility for graduation, and certifies and mails official college transcripts.

COUNSELING AND ADVISING SERVICES
Counseling, academic advising, transfer and career development services, and special support services are available on each campus at the following locations:

AMMERMAN CAMPUS
Counseling Center
209 Ammerman Building
Office of Advising and Testing
102A Ammerman Building
Office of Special Services
202 Ammerman Building

EASTERN CAMPUS
Counseling Center
122 Peconic Building

GRANT CAMPUS
Counseling Center
20 Caumsett Hall

Academic Advising
Services are available to guide students through their educational experience. All matriculated day and evening students on the
Eastern and Grant campuses are assigned a faculty advisor, generally from their major area of emphasis. On the Ammerman Campus, full-time matriculated day students are assigned a faculty advisor.

Non-matriculated students on all three campuses can make arrangements to meet with an advisor or counselor through the Counseling Center on each campus.

Counseling

Each campus offers comprehensive counseling services to help students derive the maximum benefit from their college experience. Educational counseling is available to assist students in clarifying their educational goals, planning a course of study and selecting appropriate four-year colleges. Career counseling services help students explore their interests, values and abilities and make informed decisions regarding area of emphasis and general career direction. As an aid in career counseling, interest and aptitude testing and computerized career exploration programs are also available. Personal counseling services are provided to help students deal constructively with personal/social/emotional concerns and difficulties which may be interfering with academic progress. Referrals are also made to community services and agencies when appropriate.

Transfer Information

An up-to-date collection of catalogs for four-year colleges, two-year colleges and vocational schools is available on microfiche or CD-ROM in the reference area of each campus library. Further transfer assistance and related materials, including information about transfer scholarships at many of Long Island’s private and public colleges, may be obtained from the Counseling Center at each campus.

Each semester, Transfer Days are held on each campus so that students can meet with representatives from dozens of four-year colleges and universities in order to obtain information about admission requirements and program offerings.

Career Services

Career services are available on all three campuses to help enrolled students and alumni research and pursue career opportunities in local, regional and national markets. Professional career counselors and specialists assist students and alumni to understand the career search process, construct resumes and cover letters, hone interview techniques, and participate in internship and cooperative education experiences. Career service professionals facilitate workshops throughout the semester in resume writing, interviewing, networking, career exploration and effective job search techniques. Students have access to community businesses through the college’s extensive networking strategies, made available through the Job Connection, an online database of employment opportunities accessible on the college’s Web site at http://www.sunysuffolk.edu/jobs. Through this 24-7 career services Web site, there is a plethora of Web-based career resources at students’ fingertips.

Disability Services

The college is committed to maximizing educational opportunities for students with disabilities by minimizing physical, psychological and learning barriers. Special counseling is available on each campus to help students achieve academic success through the provision of special services, auxiliary aids and reasonable program modifications. Examples of services/accommodations include registration and scheduling assistance, use of tape recorders, sign language interpreters, special testing conditions, notetakers, reader services, and specialized adaptive equipment.

Students with disabilities must document the nature of their disability and request services from the disability services counselor designated on each campus (i.e., Office of Special Services on the Ammerman Campus; the Counseling Centers on the Eastern and Grant campuses).

The college’s Compliance Officer under 504 legislation and the Americans with Disabilities Act is the Executive Assistant to the President, Norman F. Lechtrecker Building, (631) 451-4118.

STUDENT LIFE

Campus Activities

The Campus Activities Office on each campus coordinates a comprehensive program of co-curricular activities which complement the academic programs and enhance the quality of a student’s total educational experience.

Students are encouraged to participate in student organizations programs, campus governance and numerous student life programs — all of which serve to develop leadership skills, an awareness of civic responsibility, and social and cultural understanding. Examples in-
include musical performances, art exhibits, films, family activities, lectures, workshops, trips and symposia. Residents of Suffolk County are invited to participate, along with students, faculty and staff, in all programs and activities.

Multicultural Affairs

The primary goal of Multicultural Affairs is to foster an atmosphere of pluralism where diversity is respected and celebrated. To accomplish this, Multicultural Affairs offers an exciting array of co-curricular activities that are designed to recognize the unique contributions of the various cultural, ethnic, gender, religious and social groups in our society. All students are encouraged to take full advantage of these activities, which include special programs, holiday celebrations, workshops, field trips, speakers, cultural displays, student organizations, and more.

Athletics

The athletic program is a vital component of the college’s co-curricular offerings. Suffolk County Community College is a member of the National Junior College Athletic Association and the Long Island Association of Junior Colleges.

Intercollegiate athletic programs are offered at the Ammerman and Grant campuses. Eastern Campus students may participate at the campus of their choice.

At the Ammerman Campus, men may compete in baseball, basketball, cross country, golf, soccer, tennis and cheerleading. Women may compete in basketball, cheerleading, cross country, softball, tennis and volleyball.

The Grant Campus offers athletic competition for men in baseball, basketball, lacrosse, bowling, swimming, outdoor track and field, and soccer, while women may compete in bowling, swimming, outdoor track and field, softball, volleyball and cheerleading.

In order to compete in athletics, a student must be enrolled for a minimum of 12 credits. (See Athletic Director for exact details of eligibility.)

On the Ammerman and Grant campuses, an intramural program for both men and women is coordinated by the Director of Athletics, who should be contacted for specific information on the intramural sports offered.

The Eastern Campus offers a diversified athletic program which includes intramural and non-competitive sporting events. Information regarding the athletic program can be obtained by contacting the Director of Campus Activities.

Music

The college offers a wide variety of musical activities and events for student participation, including being an active member in a music club, attending music concerts and/or performing in any of eight music groups. These groups are the Symphonic Band, Jazz Ensemble, College Choir, Gospel Choir, Suffolk Singers, Guitar Ensemble, College Chamber Orchestra and the Contemporary Music Ensemble. Some of these performing groups require an audition.

Theatre

Suffolk County Community College offers a comprehensive theater program which includes musicals, dramas, comedies, classics and dance. Performances are offered on the Ammerman and Grant campuses and occasionally on the Eastern Campus. Students from any campus are encouraged to participate in all phases of production (e.g., scenery, lighting, costumes, acting, etc.).

HEALTH SERVICES

A Health Services Office is maintained at each of the college’s three campuses. These offices are staffed by registered nurses who are available to consult with students concerning matters of personal health. The college embraces a philosophy of preventive health practices as a sound approach for the campus community. Thus, a series of educational programs (e.g., AIDS, smoking cessation, alcohol and drug education, health fairs, weight control, etc.) are presented throughout the year. All accidents and illnesses occurring on campus should be reported to the campus nurse. The college also retains a medical doctor as consultant to the Health Services Office.

The County of Suffolk, its officers, agents and employees assume no liability, expressed or implied, for the result of sickness or accidents involving personal injury to any student, whether in connection with the college instructional program wherever conducted or incident to other activities on college properties or elsewhere. Filing of an application carries with it approval and consent with respect to the college policy governing accidents or illness as herein set forth.
Mandatory Student Immunizations for Measles, Mumps and Rubella

In accordance with New York State Public Health Law, Section 2165, all matriculated students attending Suffolk County Community College who were born on or after January 1, 1957 must provide written proof of adequate immunization against measles, mumps and rubella in accordance with standards approved by the New York State Department of Health. (See pages 59 and 72 for a more detailed explanation of the immunization policy.)

Required Acknowledgement of Meningitis Information

In accordance with New York State Public Health Law 2167, all students enrolled at Suffolk County Community College, both matriculated and non-matriculated, are required to acknowledge that they have received information about meningococcal disease and vaccination. In addition, such students are required to indicate that they either have received the appropriate vaccination within the past 10 years, or have decided not to obtain immunization against the disease. Students who fail to submit the required acknowledgement will be blocked from registration activity and subject to withdrawal.

CHILDREN’S LEARNING CENTERS

Child care services are available on the Ammerman and Grant campuses for children of students, faculty and staff.

The Ammerman Campus facility, located next to the Brookhaven Gymnasium, is open from 7:30 a.m. to 4:00 p.m., Monday through Friday when school is in session. Child care is currently available for children who are infants through five years of age. For more information contact Campus Kids at (631) 451-4388.

The Grant Campus facility, located east of the Caumsett Hall parking lot, serves the children of students, faculty, staff and county employees. The center is open from 7:30 a.m. to 6:00 p.m., Monday through Friday and provides care for infants and toddlers ages eight weeks to five years. For more information call Suffolk Kids’ Cottage at (631) 851-6517.

The Eastern Campus maintains a list, available in the admissions and Associate Dean of Students offices, of local child care providers.

FOOD SERVICE

Food service is available at each campus during the academic year when classes are in session. Hours of operation are as follows:

AMMERMAN

Babylon Student Center Cafeteria
Monday-Thursday . . . 7:00 a.m.-8:00 p.m.
Friday ................. 7:00 a.m.-1:30 p.m.
Saturday ............. 7:00 a.m.-1:30 p.m.
Southampton Building Cafeteria
Monday-Friday . . . . . 7:00 a.m.-2:00 p.m.

EASTERN

Peconic Building Cafe
Monday-Thursday . . . 7:30 a.m.-8:00 p.m.
Friday ................. 7:30 a.m.-2:00 p.m.
Saturday ............. 8:30 a.m.-12:30 p.m.

GRANT

Captree Commons, Cafeteria
Monday-Thursday . . . 7:00 a.m.-8:30 p.m.
Friday ................. 7:00 a.m.-6:00 p.m.
Saturday ............. 7:00 a.m.-1:30 p.m.

BOOKSTORES

Textbooks and supplies can be obtained at the college bookstore which is privately owned and operated by Barnes and Noble on all three campuses.

Students are responsible for the purchase of their own textbooks and ordinary stationery supplies. While textbook costs vary, the average cost ranges between $75 and $100 per course.

In addition to the hours listed below, the bookstores on all three campuses have extended evening and Saturday hours during the first three weeks of each semester.

AMMERMAN

Babylon Student Center
Monday/Tuesday . . . . 9:00 a.m.-8:00 p.m.
Wednesday/Thursday . 9:00 a.m.-7:00 p.m.
Friday ................. 9:00 a.m.-4:00 p.m.

EASTERN

Peconic Building
Monday-Thursday . . . 9:00 a.m.-6:15 p.m.
Friday ................. 9:00 a.m.-1:00 p.m.

GRANT

Captree Commons
Monday-Thursday . . . 9:00 a.m.-6:00 p.m.
Friday ................. 9:00 a.m.-2:00 p.m.
Suffolk County Community College provides online services to students through MySCCC—a new student portal. MySCCC delivers services through an enhanced and secure environment which represents the college’s commitment to protect the privacy of records while providing students with access to online services that assist them in meeting their educational goals.

Access to this system requires the use of a Username and Password. By logging into these services, students are verifying that the Username and Password entered belong to them. Logging in with someone else's information constitutes improper use of this system and is a violation of state and federal law. This secure system also requires students to periodically change their passwords.

Accessing MySCCC enables students to view important college announcements and access their college e-mail account and calendar. Users may login at home or at a PC located in the college’s libraries, cyber lounges and academic computing labs. Many student services are offered in this format, such as viewing financial aid status, registering for classes, paying tuition and fees, reviewing the Student Advisement Information Notice (SAIN), checking semester grades, applying for graduation, changing personal information, and requesting official transcripts. Students can also use MySCCC to access other helpful college information such as Enrollment Services, Student Life, Student Services and Academics.

SCCC’s e-mail system is available to every SCCC student who has a current network account and a valid password. Since important messages are sent to students by e-mail, it is the responsibility of all students to manage the use, message content and size of their e-mail accounts. The college expects students to read their e-mail on a regular basis and delete old messages, thus ensuring more efficient delivery of e-mail services.

SCCC has established policies for the acceptable use of computing resources. These policies can be found on the college Web site at http://www.sunysuffolk.edu.
Academic and Student Policies

ACADEMIC POLICIES
Grading System

Grades will be sent to the student at the close of each semester. The instructor’s analysis of each student’s academic achievement will be in accordance with the following grading system:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90%-100%</td>
</tr>
<tr>
<td>B+</td>
<td>85%-89%</td>
</tr>
<tr>
<td>B</td>
<td>80%-84%</td>
</tr>
<tr>
<td>C+</td>
<td>75%-79%</td>
</tr>
<tr>
<td>C</td>
<td>70%-74%</td>
</tr>
<tr>
<td>D+</td>
<td>65%-69%</td>
</tr>
<tr>
<td>D</td>
<td>60%-64%</td>
</tr>
<tr>
<td>F</td>
<td>59% or below</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawing</td>
</tr>
<tr>
<td>INC</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>

A student may withdraw from a course and be guaranteed a W any time up to the mid-semester date of that semester or term. After the mid-semester date, the grade awarded shall be at the discretion of the instructor.

S SATISFACTORY
This grade is given only for developmental courses, which do not satisfy degree requirements: RE09, RE10, EG09, EG10, EF01, EF02, EF03, EF04, EF05, EF06, EF07, MA01. S grades are not used in grade point average computations.

SA, SB, SC
These grades are used for MA06 and MA07 only, which are developmental courses and do not satisfy degree requirements.

SA = 90%-100%
SB = 80%-89%
SC = 70%-79%

S grades are not used in grade point average computations.

W WITHDRAWAL
A student may withdraw from a course and be guaranteed a W any time up to the mid-semester date of that semester or term. After the mid-semester date, the grade awarded shall be at the discretion of the instructor.

U UNSATISFACTORY
This grade is given only for developmental courses, which do not satisfy degree requirements: MA01, MA06, MA07, RE09, RE10, EG09, EG10, EF01, EF02, EF03, EF04, EF05, EF06, EF07, EF08. U grades are not used in grade point average computations.

R REPEAT
This grade is given only for developmental courses, which do not satisfy degree requirements: MA01, MA06, MA07, RE09, RE10, EG09, EG10, EF01, EF02, EF03, EF04, EF05, EF06, EF07, EF08. The R grade indicates the need for a student to reregister for the same course in a subsequent semester, usually because the student, while making progress in that course, has not yet completed all the course requirements. R grades are not used in grade point average computations.

AUD AUDIT
A student wishing to audit a course must register and pay for that course in accord with
normal registration procedures. When a student audits a course, a grade of “AUD” will be recorded and no academic credit will be given. An auditor, by definition, is not required to take tests, write term papers or submit homework assignments, but is expected to participate in class to the extent deemed reasonable and necessary by the instructor. A student must inform the instructor at the first class meeting of his or her intention to take the course on an audit basis. Once this intention is stated, the student may not change from audit to credit status. Since some courses may be inappropriate for auditing, students should consult with the appropriate academic administrator before registering.

NOTE: Audited courses are not eligible for financial aid.

Grade Changes

All requests for grade changes must be made within two years of completion of the course. Any exception to this policy would have to be reviewed by the Campus Dean.

Students who believe they have received an incorrect grade should discuss this issue with their instructor. If the instructor agrees with the student, he or she will submit a change of grade on the appropriate form to the Campus Registrar.

If the student and the faculty member do not agree and the student wishes to appeal, the Grade Grievance Procedure described below and outlined in the student handbook should be consulted.

The Grade Grievance Procedure provides for a four-step process by which a student may initiate consideration of an aggrieved grade, beginning with first contacting the faculty member involved. If necessary, the procedure continues through ascending levels of administrative authority until finally reaching the office of the Campus Dean on the appropriate campus, who may convene a Grievance Committee to hear the grievance and make written recommendations.

Students who have questions about the grade grievance process should consult with the appropriate departmental office or assistant dean.

Academic Standing

Grade Point Averages

A system of points is used to assess the quality of each student’s work for a semester or more and is computed as a cumulative grade point average. Grades earned by students have a numerical quality value as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Points Per Credit Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>B+</td>
<td>3.5</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>C+</td>
<td>2.5</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>D+</td>
<td>1.5</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>

A cumulative grade point average is computed by dividing the total number of quality points received by the number of credit hours earned. For example, a student who has earned 30 credit hours and has received a total of 60 quality points has a cumulative grade point average of 2.0. The following factors must also be taken into consideration:

a. When transfer credits are granted for courses completed at another college, no quality points or grades are awarded; hence, such credits do not affect the cumulative grade point average at SCCC.

b. When a course is repeated, the cumulative grade point average is computed using only the most recent grade and credit hours received by the student for that course; the previous grade and credit hours are retained on the transcript but are not computed. This rule is applied to only one repeat of a given course and applies to all grades.

Transcript Review

a. Following a change of curriculum or emphasis, those courses with grades of D+, D and F that are specific to the old curriculum and not applicable to the new curriculum or applicable only as unrestricted electives, may be excluded in calculating the new cumulative grade point average, although all courses for which a student registers will appear on the transcript. It is the student’s responsibility to petition the campus Office of Instruction and have his/her average computed. A student may have this rule applied to only one change of curriculum or emphasis which occurs within the first 38 credit hours attempted at the college.

b. A student who is readmitted to SCCC after an absence of two or more semesters may, after the end of the first semester, petition the campus Office of Instruc-
tion for a review of his/her previous SCCC transcript. When the student has successfully completed 12 credits after readmission with a 2.0 average, the transcript will be reviewed and grades of D+, D and F may be eliminated from computation of the grade point average, although all such courses will continue to appear on the transcript. *This readmission review will be permitted only once.*

Note: Once a student has authorized a transcript review as described in a. and b. above, he/she indicates understanding and acceptance of the principle that when courses with D and D+ are excluded from calculation of the grade point average, the excluded courses and credits do not count toward graduation. A transcript review includes ALL grades of D, D+ and F. Once implemented, the actions taken pursuant to this policy are not revocable.

**Probation**

A student is deemed to be in good academic standing unless he/she has been dismissed from full-time status or his/her matriculation status has been rescinded.

Both full-time and part-time students will be placed on probation according to the standards outlined in this section. Students placed on probation do not lose their good academic standing. However, during the subsequent semester they must raise their cumulative grade point average and/or the number of credit hours completed sufficiently to remove themselves from probation.

Full-time students who do not remove themselves from probation will be dismissed from full-time status. Once their matriculated status is rescinded, they may continue in attendance only as non-matriculated students, and may enroll only in a program of fewer than 12 credits.

Part-time students placed on probation are not subject to dismissal. However, if they do not remove themselves from probation, their matriculated status will be rescinded and they may continue in attendance only as non-matriculated students.

These standards may be waived when such action is deemed to be in the best interest of the student. Full-time students who are dismissed and part-time students whose matriculation is rescinded may appeal as indicated under “Dismissal.”

The college may place a student on probation subject to dismissal any time he/she fails to meet the academic standards indicated below or willfully abuses college regulations. These standards apply to students who matriculated after September 1, 1990. Students matriculating prior to that date should consult an earlier catalog for the standards that will be applied.

Any full-time student will be automatically placed on probation if he/she fails to meet either of the following criteria:

<table>
<thead>
<tr>
<th>CREDIT HOURS ATTEMPTED</th>
<th>MINIMUM GRADE AVERAGE</th>
<th>*RATE of COMPLETION/SEMESTER and/or CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-15</td>
<td>1.6</td>
<td>50%</td>
</tr>
<tr>
<td>16-30</td>
<td>1.7</td>
<td>50%</td>
</tr>
<tr>
<td>31-45</td>
<td>1.8</td>
<td>66%</td>
</tr>
<tr>
<td>46 or more</td>
<td>2.0</td>
<td>66%</td>
</tr>
</tbody>
</table>

Any part-time student will be automatically placed on probation if he/she fails to meet either of the following criteria:

<table>
<thead>
<tr>
<th>CREDIT HOURS ATTEMPTED</th>
<th>MINIMUM GRADE AVERAGE</th>
<th>*RATE of COMPLETION/SEMESTER and/or CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-15</td>
<td>1.6</td>
<td>50%</td>
</tr>
<tr>
<td>16-30</td>
<td>1.7</td>
<td>50%</td>
</tr>
<tr>
<td>31-45</td>
<td>1.8</td>
<td>66%</td>
</tr>
<tr>
<td>46 or more</td>
<td>2.0</td>
<td>66%</td>
</tr>
</tbody>
</table>

Students remain on probation until such time as subsequent academic performance removes them from probationary status. Full-time students on academic probation may not register for more than four courses, not to exceed 14 credits, and are asked to see their academic advisor or counselor early in the next semester. Probation is noted on the student’s permanent record and is not subject to the appeals process described under “Dismissal.”

Students on probation who in a subsequent semester earn a 2.0 GPA or better and have a semester completion percentage of at least 66% will be allowed to continue on probation rather than be dismissed.

*NOTE: Students whose GPA still falls below the minimum grade average required are not subject to probation if they satisfy either a semester or cumulative completion rate.*

**Dismissal**

Any full-time student who is placed on probation for two consecutive semesters will be dismissed from full-time status. Dismissal will
be noted on the student’s permanent record.

Students who are dismissed for an insufficient cumulative average have the right to appeal if they feel an error has been made or other extenuating circumstances exist. Appeal for reinstatement is made in writing to the Campus Dean on the campus the student is attending and, if possible, shall be supported by a written recommendation from any faculty member who feels he/she is in a position to support the student’s appeal. Appeals for reinstatement are considered by the campus Academic Appeals Board, which forwards recommendations to the Campus Dean.

Should the Campus Dean grant the appeal, the student shall be reinstated with probationary status. The notation on the student’s permanent record will be changed from “dismissed” to “probation.”

A dismissed student may apply to the Central Admissions Office for readmission after one semester. However, along with the application, the student must present evidence of having successfully undertaken a program of study during that time. A student thus readmitted will be “in good academic standing.”

Part-time students who are placed on academic probation for two consecutive semesters are not subject to dismissal. However, their matriculation status will be rescinded. Such students should carefully review their academic plans with one of the campus counselors in order to improve their chances for success.

Absences and Attendance

The college expects that each student will exercise personal responsibility with regard to class attendance. All students are expected to attend every class session of each course for which they are registered. Students are responsible for all that transpires in class whether or not they are in attendance, even if absences are the result of late registration or add/drop activity at the beginning of a term as permitted by college policy. The college defines excessive absence or lateness as more than the equivalent of one week of class meetings during the semester. Excessive absence or lateness may lead to failure in a course or removal from the class roster.

A student may be removed from the class roster by an instructor at any time when, in the judgment of the instructor, absences have been excessive. A student may also be removed from the class roster by the Dean of Student Services or the Student Conduct Board following a disciplinary hearing for violating the Student Code of Conduct as described in the student handbook.

Withdrawal

A student may withdraw from a course and be guaranteed a W any time up to the mid-point of the semester or term. After the mid-point, the grade awarded shall be at the discretion of the instructor.

Official withdrawal from the college means that a student voluntarily separates himself or herself from the college by dropping all courses at any time during the academic term. This can only be done by properly notifying the campus Registrar’s Office.

If a student officially withdraws from the college prior to the end of the refund period, the student’s academic record will be clear of any courses for which he or she registered.

If a student officially withdraws from the college after the refund period but before the mid-semester date specified in the academic calendar, the student’s academic record will show all courses for which he or she registered along with a grade of W for each course. The official withdrawal will be noted on the student’s academic record. In addition, withdrawal from a course is considered a non-successful course attempt for purposes of financial aid satisfactory progress requirements. Excessive withdrawals may result in probation or dismissal as defined in the academic probation/dismissal policy on pages 65-66.

Honor Designations/Societies

Dean’s List

Outstanding scholastic achievement at Suffolk County Community College is recognized by the compilation each semester of the Dean’s List. Students whose semester grade point average is 3.5 or higher, with no incompletes, and who have completed a minimum of 12 credit hours during the semester qualify for the Dean’s List. This academic achievement is noted on the student’s permanent record.

NOTE: Developmental courses do not qualify because they do not carry credit.

Graduation “With Distinction” and “With Highest Distinction”

Students of the graduating class who have attained at least a 3.5 cumulative grade point average are graduated “with distinction.” Those students who have attained at least a 3.8 cumulative grade point average are graduated “with highest distinction.” An academic
achievement of “with distinction” or “with highest distinction” is noted on the student’s permanent record. Furthermore, students who graduate having completed either the Honors Program Diploma Sequence or Recognition Sequence have this academic honor noted on their permanent record.

**PI ALPHA SIGMA**

Pi Alpha Sigma is a college honors designation. Students who have achieved a 3.5 cumulative grade point average, with no incomplete grades, and have completed at least 36 credits at Suffolk County Community College receive this designation. This academic designation is also noted on the student’s permanent record.

**PHI THETA KAPPA**

Phi Theta Kappa, the national honor society for two-year colleges, has chapters on the Ammerman, Eastern and Grant campuses. Each chapter has its own requirements. This organization recognizes and encourages scholarship among community college students. Academic requirements for this organization are available from the office of the campus Director of Campus Activities.

**ALPHA BETA GAMMA**

Alpha Beta Gamma, the International Business Honor Society of Community, Junior and Technical Colleges, has chapters on each of the three campuses. Each chapter has its own requirements. The society confers distinction for high achievement on students enrolled in the business curricula at accredited two-year colleges. Academic requirements for this organization are available on each campus from the office of the Director of Campus Activities.

**CHI ALPHA EPSILON**

Chi Alpha Epsilon National Honor Society recognizes the academic achievements of students admitted to colleges and universities through non-traditional criteria. The society serves students in programs such as Developmental Studies, Student Support Services (SSS), McNair Scholars and Educational Opportunity (EOP). Its purposes are to promote continued high academic standards, foster increased communication among its members, and honor academic excellence achieved by these students.

Students are eligible for induction into Chi Alpha Epsilon if they are a member of one of the programs listed above and have a grade point average of 3.0 or better after successfully completing a year of college course work.

**Academic Integrity**

The college’s Student Code of Conduct expressly prohibits “any and all forms of academic or other dishonesty.” While this code should be read broadly and does not define such conduct in exhaustive terms, the following conduct clearly falls under the heading of academic dishonesty.

**Cheating**

Any form of cheating, be it on a formal examination, informal quiz or other submitted material, is a violation of college conduct. Copying material from fellow students or from other sources during an examination may result in a failing grade for the course and/or serious disciplinary sanctions as outlined in the Code of Conduct. When students work together on a project, this becomes a joint responsibility for a group so designated and should be limited to the people and resources agreed upon with the instructor.

**Plagiarism**

Students should realize that presenting the words and ideas of others as their own is dishonest. In writing, students must fully acknowledge the source of any paraphrased passages and any ideas which they have borrowed. Failure to conform to these academic standards is plagiarism and may result in a failing grade for the course and/or serious disciplinary sanctions as outlined in the Code of Conduct.

**Change of Degree, Curriculum or Emphasis**

When a matriculated student decides to change his/her academic emphasis for the forthcoming semester, he/she must file a “Change of Emphasis” form. The form is to be returned to the campus Registrar’s Office.

Students who want to change to a “restricted emphasis” should consult the catalog for admission criteria and submit the “Request for Admission into a Restricted Program” form to the campus Admission Office.

**Guidelines for Employment and Credit Limits**

While the college recognizes that most students must work at least part-time in order to meet their expenses during the academic year, studies have indicated that students’ grades fall off significantly if they must work more than 20 hours per week while taking twelve credits or more in any given semester.
Academic Public Disclosure Statement

DISCLOSURE OF COMPLETION, PERSISTENCE AND TRANSFER RATES FOR FULL-TIME, FIRST-TIME ASSOCIATE LEVEL STUDENTS ENTERING IN FALL 1999, PURSUANT TO TERMS OF THE STUDENT RIGHT-TO-KNOW ACT
INSTITUTION: SUFFOLK ALL CAMPUSES (Status as of the Fall 2002 Semester)

<table>
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<th>SEX</th>
<th>RACE</th>
<th>INITIAL COHORT ENTERING FALL 1995</th>
<th>ENTERING INSTITUTION</th>
<th>TRANSFERS TO A SUNY (WITHOUT A DEGREE)</th>
<th>TRANSFERS TO A SUNY (WITH A DEGREE)</th>
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<th>ATTRITION INCLUDING NON-SUNY TRANSFERS ONLY</th>
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<td>77</td>
<td>277</td>
<td>63</td>
<td>28</td>
<td>63</td>
<td>18</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>2872</td>
<td>194</td>
<td>661</td>
<td>122</td>
<td>64</td>
<td>169</td>
<td>35</td>
</tr>
</tbody>
</table>

1. Data available only for SUNY two-year institutions that have been on the Student Data File since Fall 1999 and the Automated Degree File since 2000-01.
2. Column 1 = Columns 3 + 4 + 5 + 8 + 9 + 10
3. Students shown in columns 4, 5, 6 and 7 transferred Spring 2000 through Fall 2002.

CENTRAL ADMINISTRATION OFFICE OF INSTITUTIONAL RESEARCH, STATE UNIVERSITY OF NEW YORK
Accordingly, in order to help assure academic success, the college recommends that a full-time student should not work more than 20 hours per week. If personal financial considerations render that unavoidable, then the college recommends that such students register for fewer than 12 credit hours to avoid the conflict between study and work hours which may lead to a less than satisfactory academic performance.

The recommended ratio of credits and hours of work a week is indicated in the table below:

<table>
<thead>
<tr>
<th>Credits</th>
<th>Maximum hours of work a week</th>
</tr>
</thead>
<tbody>
<tr>
<td>15+</td>
<td>15</td>
</tr>
<tr>
<td>12</td>
<td>20</td>
</tr>
<tr>
<td>9</td>
<td>25</td>
</tr>
<tr>
<td>6</td>
<td>Work full-time</td>
</tr>
</tbody>
</table>

**Leave of Absence**

Students enrolled in a restricted program with limited seat availability should submit a Leave of Absence form if they are planning to leave SCCC for one or more semesters. While an approved leave does not guarantee a student a seat in the program upon returning, it does maintain the student's date of matriculation and give the student preference ahead of any new students if a seat is available.

**Readmission**

Students who have previously attended Suffolk County Community College and wish to return for full-time study should write or call the Central Admission Office for additional information at least several weeks prior to the beginning of the expected semester of re-entry. There is no guarantee of readmission to a specific program for a student who has withdrawn or been dropped from that program.

**Graduation Requirements**

All candidates for degrees from Suffolk County Community College must meet the following general requirements. They must:

1. attain a cumulative grade point average of not less than 2.0.
2. attain a grade point average of not less than 2.0 in their major field of study.
3. complete two credits of physical education activity classes or PE96: Wellness: A Lifestyle Approach. Those receiving a documented medical waiver must complete PE96.
4. complete Freshman Seminar (OS15) (see next column).
5. satisfactorily complete any developmental courses (or course sequences) into which they were placed.
6. complete the 60 or more credits required in their curriculum (exclusive of physical education) as specified in the Curricula section on pages 92-178.
7. complete at least 30 resident credit hours of the required course work offered by Suffolk County Community College (not counting physical education). Resident credits specifically exclude advanced placement, challenge examination, CLEP, portfolio, and all categories of transfer credit.
8. not use extra credits from courses already taken in lieu of any individual course requirement in any curriculum.
9. pay or satisfactorily adjust all college fees and meet all other obligations.
10. file an Application for Graduation in the campus Registrar’s Office. Application deadlines are December 1 for January graduation, April 1 for June graduation and July 1 for August graduation.

A graduate who wishes to obtain a second degree in a different curriculum must complete a minimum of 30 additional credits, including the special course requirements of the second curriculum, but excluding physical education.

**Candidates for the one-year certificate** must complete at least 30 credits as specified for their curriculum (see pages 92-178), including at least 15 resident credit hours of course work offered by Suffolk, with a cumulative grade point average of not less than 2.0, both cumulatively and in their major field of study. Resident credits specifically exclude advanced placement, challenge examination, CLEP, portfolio, and all categories of transfer credit.

NOTE: Wide opportunities are available for student advising both through the academic departments and through the Division of Student Services. However, each student is ultimately responsible for selecting courses which satisfy graduation requirements for specific degree and certificate programs.

**Freshman Seminar Requirement**

Full-time day students in all programs must successfully complete OS15: Freshman Seminar. Students are expected to enroll in this class in their first semester. Alternatively, OS 20: Personal Growth and College Life; WS12: Women’s Seminar; LR11: Introduction to Library
Waiver of Degree Requirements

Freshman Seminar (OS15) may be waived for students who complete 12 credit hours of transferable college-level work on a college campus prior to enrolling at Suffolk. Students who complete at least half of their work as part-time students or full-time evening students are not required to take OS15.

Physical education activity classes may be waived by the college as a degree requirement for a student upon the advice and recommendation of a physician. The 2-credit physical education requirement may also be waived for students who complete at least half of their curriculum requirements as part-time students or full-time evening students. Students with a documented medical waiver will be required to take PE96.

Physical education activity classes are optional for honorably discharged veterans with 18 months of active service.

The Campus Dean on the campus the student is attending may approve other waivers or substitutions from the prescribed curricula. Requests for substitutions will be evaluated on the basis of the equivalence of the proposed substitution to the curriculum requirement. Where appropriate, consideration will also be given to the student’s educational needs and objectives.

The necessary forms for requesting a waiver or substitution of a course to meet degree requirements can be obtained from the campus Office of Instruction. Forms are also available at each assistant dean’s office on the Ammerman Campus and at the Counseling Center on the Eastern Campus.

STUDENT POLICIES

Student Identification Card

All students are required to obtain a student photo identification card prior to the first day of classes and to carry the card with them whenever on college premises. The ID card enhances campus safety and security, serves as a library card, is used to access campus computer center services, is required to conduct business in the Registrar’s Office as well as other offices, and can be used as a cash card in conjunction with Suffolk Federal Credit Union. ID card photos are taken for new students beginning with orientation and continuing through the first two weeks of the new semester. Replacement cards are available at a cost of $5. Students who fail to obtain an ID card will be fined $25 and blocked from registering for subsequent semesters.

Student Code of Conduct and Student Judicial Process

In order to promote a safe and pleasant learning environment and protect the rights of all members of the college community, Suffolk County Community College has developed a Student Code of Conduct and Student Judicial Process which is available in the Dean of Student Services Office on each campus or on the college’s Web site at http://www3.sunysuffolk.edu/forms/policies_6.pdf.

Examples of some of the behaviors prohibited by the Code of Conduct include, but are not limited to, academic dishonesty, causing or threatening physical harm, the consumption or possession of drugs or alcoholic beverages, destruction of college property or equipment, theft, failure to comply with the directions of college officials, engaging in disruptive behavior, and the unauthorized use of college computer equipment.

Once a complaint has been made to the Dean of Student Services, the situation may either be handled on an informal basis or, when appropriate, a formal disciplinary hearing may be scheduled. Students found in violation of the Code of Conduct may be given one of the following sanctions: expulsion, suspension, probation with loss of privileges, probation without loss of privileges, warning, restitution, or other sanctions as deemed appropriate.

Students are encouraged to familiarize themselves with the complete list of prohibited behavior and the disciplinary procedures which have been established to protect the rights of both the student and the educational community.

Information Technology Policies and Guidelines

The Student Code of Conduct prohibits certain behavior related to the use of the college’s technology resources and requires compliance with college policies. The full text of this policy can be obtained from the Dean of Student Services office on each campus, or you can locate it on the college’s Web site at http://www2.sunysuffolk.edu:8000/Help/policies/index.asp.
The policy obligates users to respect the rights of others, avoid uses that burden system resources or introduce viruses, and protect the secrecy of passwords. Users are also prohibited from engaging in a variety of listed activities. The policy includes provisions on privacy rights, monitoring of use and sanctions for violations. All users are responsible for knowing the college policy and are deemed to have accepted the restrictions by utilizing the technology resources.

**Medical Leave**

Matriculated students who are unable to attend classes for an extended period of time due to a documented illness, injury, or medical or psychological condition may request a Medical Leave from the Office of the Dean of Student Services. Note that being granted a Medical Leave during a semester may negatively impact a student’s grades or financial aid and may reduce or eliminate entitlement to any tuition refund. Additional information is available from the Office of the Dean of Student Services.

**Involuntary Medical Withdrawal**

A student will be subject to an involuntary medical withdrawal if the Student Services Medical Withdrawal Panel concludes that the student is suffering from a physical, emotional or psychological condition and, as a result of this condition, engages or threatens to engage in behavior which:

1. poses an imminent danger or threat of causing physical harm to the student or to others, or
2. substantially impedes the lawful activities of other members of the campus community or the educational processes, activities or functions of the college or its personnel.

Note that students who are withdrawn through the Involuntary Medical Withdrawal procedure are subject to the normal refund policy of the college (see pages 44-45).

**Prohibition on Smoking**

The college has been declared a smoke-free environment and this policy shall be strictly enforced in all college buildings and vehicles. Smoking is prohibited in individual offices, classrooms, corridors, lobbies, bookstores, cafeterias, lounges, lavatories and any other indoor space. In addition, both Suffolk County law and college policy prohibit smoking within 50 feet of all building entrances and exits. Given the dangers that studies have revealed about secondhand (as well as firsthand) smoke, compliance with this policy should be a priority of conscience. Everyone’s cooperation is respectfully requested for the health and comfort of all.

**Sexual Harassment**

Suffolk County Community College does not condone sexual harassment of students or employees. Sexually harassing conduct violates college policy and state and federal law.

Students may obtain a copy of the college’s policy against sexual harassment and the procedure for resolving student complaints of sexual harassment at the Office of Student Services on each campus. Student complaints of sexual harassment should be brought to the Office of Student Services at the campus where the harassing conduct occurred. Complaints will be dealt with as expeditiously as possible and with the highest level of confidentiality.

**Traffic and Parking Regulations**

All motor vehicles on campus, including motorcycles, must be registered with the college. Vehicles may be registered in the Business Office of each campus.

Only areas designated and marked for parking are legal parking areas. It is the driver’s responsibility to find an approved parking space. The college is under no obligation to mark all areas where parking is prohibited. An approved space is designated by parallel lines:

- **WHITE** for students
- **RED** for faculty, staff and administrators
- **BLUE** for handicapped

(Special parking permits for those with temporary disabilities may be issued through the Health Services Office.)

Fire zones and lanes are designated by yellow markings. **NO PARKING IS ALLOWED IN FIRE ZONES AT ANY TIME.**

Campus security guards are authorized to enforce these and other rules and regulations and to present violations. Students must carry their I.D. card at all times and present it to security guards on request.

**NOTE:** Any student who accumulates $25.00 or more in unpaid traffic fines will be blocked from all registration activity at the college.
PUBLIC NOTICES REGARDING STUDENT-RELATED POLICIES

MANDATORY STUDENT IMMUNIZATIONS: MEASLES, MUMPS AND RUBELLA

In accordance with New York State Public Health Law, Section 2165, all matriculated students attending Suffolk County Community College who were born on or after January 1, 1957 must provide acceptable written proof of adequate immunization against measles, mumps, and rubella in accordance with standards approved by the New York State Department of Health.

Acceptable proof of immunity consists of a Certificate of Immunization signed and stamped by a physician or licensed health care provider which documents measles, mumps, and rubella immunity. Students must submit this certificate or equivalent to the Health Services Offices on their home campus and document at least partial compliance with the immunization requirements before they will be permitted to register for classes. Partial compliance shall be defined as one dose of measles, mumps, and rubella immunization.

In addition, proof of an honorable discharge from the armed services within 10 years prior to the date of application to Suffolk County Community College shall also qualify as a certificate enabling a student to attend classes pending actual receipt of immunization records from the armed services.

Students who are in partial compliance will be notified by the Vice President for Student Affairs that they will be suspended from their classes if they do not fully comply with the immunization requirements within the first 30 days of the semester (45 days for students transferring from another state or county). Students who are suspended and who subsequently fail to comply with the immunization requirements will be administratively withdrawn from their classes and prevented from registering for subsequent semesters.

Immunization records shall be maintained on each campus at the Health Services Office, which shall consider such information as confidential and subject to the College Records Policy. The Vice President for Student Affairs shall be responsible for the completion and timely submission to the Commissioner of Health of the annual survey of immunization levels of students attending Suffolk County Community College.

Students who cannot afford a private physician will be directed to the County Health Department for information regarding free immunizations. Persons may be exempt from any or all of these requirements if a physician certifies in writing that the immunizations may be detrimental to their health. In addition, persons who hold genuine and sincere religious beliefs which are contrary to immunization may be exempt after submitting a statement to that effect to the Dean of Student Services on their home campus.

Should a suspected case of measles, mumps, or rubella occur on a campus, the Office of the Dean of Student Services will evaluate the case in conjunction with the County Health Department and the Health Services Office and consulting physician. While awaiting serological confirmation, immunization records will be reviewed and susceptible individuals identified. If the suspected case is confirmed, the Office of the Dean of Student Services will notify all susceptible students and staff to be immunized. Susceptible students who are unable to be immunized may be required to remain off-campus until the Health Department deems it safe for such individuals to return.

This Mandatory Student Immunization Policy will be included in the College Catalog and the campus Student Handbooks.

DIRECTORY INFORMATION

Suffolk County Community College hereby designates the following items of student information as public or “Directory Information.” This does not mean, however, that the college will indiscriminately release such information about students. Requests for Directory Information on all Suffolk students or categories of students will generally not be honored. Release will generally be restricted to information on individual students only and each request will be considered on an individual basis by the Dean of Student Services and/or the College Registrar.

- Name
- Date of Birth
- Address
- Telephone Number
- E-Mail Address
- Photographs
- Past and Present Participation in Officially Recognized Sports and Activities
- Height and Weight of Athletic Team Members
- Major Field of Study
- Dates and Status of Enrollment
- Degrees and Awards Received
- Prior Schools Attended

Currently enrolled students may withhold disclosure of this information under the Family Educational Rights and Privacy Act of 1974, as amended. To withhold disclosure, written notification must be received in the Registrar’s Office at the student’s home campus.

Suffolk County Community College assumes that failure on the part of any student to specifically request the withholding of “Directory Information” indicates individual approval for disclosure.
Suffolk County Community College informs students of the Family Educational Rights and Privacy Act of 1974, as amended, in the catalog, as well as in the schedule of classes, the student handbook and on the college’s Web site. This Act, with which the institution intends to comply fully, was designated to protect the privacy of education records and to provide guidelines for the correction of inaccurate or misleading data through informal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Local policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the college’s Records Policy may be found in the following offices: Campus Registrar and Dean of Student Services on the Ammerman, Eastern and Western Campuses, as well as College Registrar and Vice President for Legal, Planning and Information Services in the Norman F. Lechtrecker Building on the Ammerman Campus.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Dean of Student Services on each campus or the College Registrar in the Norman F. Lechtrecker Building on the Ammerman Campus.

**CLASS ATTENDANCE— RELIGIOUS HOLIDAYS**

**SECTION 224-a EDUCATION LAW**

1. No person shall be expelled from or be refused admission as a student to an institution of higher education for the reason that he or she is unable, because of religious beliefs, to register for or attend classes or to participate in any examination, study, or work requirements on a particular day or days.

2. Any student in an institution of higher education who is unable, because of his or her religious beliefs, to attend classes on a particular day or days shall, because of such absence on the particular day or days, be excused from any examination or any study or work requirements.

3. It shall be the responsibility of the faculty and of the administrative officials of each institution of higher education to make available to each student who is absent from school because of religious beliefs an equivalent opportunity to register for classes or to make up any examination, study, or work requirements which he or she may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to the said student such equivalent opportunity.

4. If registration, classes, examinations, study, or work requirements are held on Fridays after four o’clock post meridian or on Saturday, similar or makeup classes, examinations, study, work requirements or opportunity to register shall be made available on other days, where it is possible and practicable to do so. No special fees shall be charged to the student for these classes, examinations, study, work requirements or registration held on other days.

5. In effectuating the provisions of this section, it shall be the duty of the faculty and the administrative officials of each institution of higher education to exercise the fullest measure of good faith. No adverse or prejudicial effects shall result to any student because of availing himself or herself of the provisions of this section.

6. Any student, who is aggrieved by the alleged failure of the faculty or administrative officials to comply in good faith with the provisions of this section, shall be entitled to maintain an action or proceeding in the supreme court of the county in which such institution of higher education is located for the enforcement of rights under this section.

6-a A copy of this section shall be published by each institution of higher education in the catalog of such institution containing the list of available courses.

7. As used in this section, the term “institution of higher education” shall mean any institution of higher education, recognized and approved by the Regents of the University of the State of New York, which provides a course of study leading to the granting of a post-secondary degree or diploma.

**CAMPUSS CRIME STATISTICS**

HONORS PROGRAM

The Honors Program offers interdisciplinary learning opportunities for academically talented and highly motivated students. It is grounded in the traditions of the liberal arts and stresses the connections among various disciplines and the tools of artistic and intellectual creativity.

To be considered for admission to the Honors Program, students must submit the following materials:

1. An Honors Program application, which is separate from and in addition to the application for admission to the college. To request an Honors Program application please call:
   - Ammerman Campus, (631) 451-4778
   - Eastern Campus, (631) 548-2592
   - Grant Campus, (631) 851-6833
2. A letter of recommendation from a person familiar with the applicant’s academic performance or potential. In particular the letter should address the candidate’s verbal skills, intellectual ability and academic motivation.
3. A 500-word essay written in connection with a course or especially for the purpose of the honors application. The essay should demonstrate the applicant’s writing proficiency and ability to present substantive material in a logical and coherent manner.
4. A copy of the student’s high school and any previous college transcript(s) and ACT or SAT scores.
5. Any additional materials the applicant wishes to have considered in connection with his/her application (maximum length: ten pages).
6. Entering freshmen and continuing SCCC students may apply for admission to the Honors Program. Part-time and full-time students in all curricula are welcome to apply.
7. The following are minimum requirements for admission to the Honors Program:
   - For entering students:
     • B+ average in high school
     • composite SAT score of 1100 or ACT Score of 24
   - For students already enrolled at SCCC:
     • 3.2 cumulative grade point average
     • grade of B+ or better in EG11

In all instances, alternative evidence of academic talent may also be considered.

The academic structure and course requirements of the Honors Program are described on pages 127-128 in the Curricula section of this catalog.
ACQUIRED BRAIN INJURY (ABI) PROGRAM

The ABI program is a non-credit, 42-week educational curriculum designed to provide structured cognitive retraining for adults with an acquired brain injury (ABI). The program provides the community of ABI survivors in Suffolk County and surrounding areas with a low-cost community college-based opportunity for cognitive, psychosocial and employment retraining.

The program runs for 42 weeks with three 12-week sessions offered within the fall and spring semesters and one six-week session in the summer. During each of the sessions, students will be required to take four modules of instruction:

**AB1A-D Psychosocial Issues:** Deals with psychological and social difficulties many individuals face after brain injury. Content consists of two separate components: processing problem-solving and curriculum.

**AB3A-D Mediated Learning Lab:** Reinforces concepts and applications presented in complementary program courses. Specifically, students practice applications such as Figural Skills, Critical Thinking and other supplemental skills.

**AB5A-D Cognitive Analysis and Applications:** Provides ABI survivor with retraining in key cognitive skills related to critical thinking and reasoning. Addresses four aspects of reasoning: Elements of Reasoning, Standards for Reasoning, Traits of the Reasoning Mind, and Reasoning Abilities.

**AB7A-D Concepts and Applications in Memory and Attention:** Deals with ABI survivors’ real-life examples of memory problems within the theoretical framework of a memory system. Assignments provide means of increasing generalization of the information to practical application in daily life. Develops repertoires of effective and efficient compensation strategies that work within students’ lifestyles to compensate for their particular limitations.

Eligibility for the Program

Applicants to the program must be goal-oriented and committed to achieving maximum independence. Admission is contingent upon acceptance by the ABI Admissions Committee. Students are admitted fall and spring. For an application, admissions requirements or additional information contact the program director at (631) 451-4600, E-mail: abiprog@sunysuffolk.edu.

ACADEMIC PARTNERSHIPS WITH BUSINESS AND INDUSTRY

Recognizing the rapidly increasing number of internationally known high technology firms that call Suffolk County home and are thereby contributing to the growing reputation of Suffolk County as a center for development and innovation in computer and digital technology, Suffolk County Community College has worked diligently to establish academic partnerships in instructional technology with a number of these prestigious corporations. These new cooperative endeavors are described on the next several pages. Requests for further information should be directed to the office of the Vice President for Academic and Campus Affairs at Suffolk County Community College.

CISCO SYSTEMS

Suffolk County Community College as a Cisco Systems Regional Network Academy provides Cisco course work for a complete range of basic through advanced networking concepts – from pulling cable through such complex concepts as subnet masking rules and strategies.

The format for the classes reflects the content: interactive lessons are stored primarily on the classroom’s own Cisco Web server. To promote development of the personal skills that underpin successful careers, hands-on projects require students not only to resolve technical issues but also to successfully address network users’ needs.

Contact the Department of Engineering or Department of Computer Science and Information Technology at the Ammerman Campus for full details of this course sequence.


U.S. DEPARTMENT OF ENERGY: OFFICE OF SCIENCE EDUCATION OPPORTUNITIES

Community College Institute (CCI): This Summer Institute for Community Colleges is designed to provide educational training and research experience at five Department of Energy (DOE) national laboratories for highly motivated community college students.

Faculty and Student Teams (FaST) Initiative: This initiative is designed to support faculty/student teams to collaborate in research with participating DOE laboratories (Argonne, Brookhaven, Lawrence Berkeley, Oak Ridge,
and Pacific Northwest National Laboratories, as well as Princeton Plasma Physics Laboratory, Stanford Linear Accelerator Center, and the Thomas Jefferson National Accelerator Facility. Faculty apply for summer appointments at one of the DOE facilities listed above. Up to three students are expected to accompany the faculty member for the summer. At the end of the ten-week appointment, proposals will be accepted for continuation of research by the teams at their home institutions. Those receiving awards for on-campus research will continue to collaborate with laboratory staff in the performance of work.

Science Undergraduate Laboratory Internship (SULI) (formerly known as the Energy Research Undergraduate Laboratory Fellowship Program ERULF): This internship provides an opportunity for undergraduate students to work with a scientist at Brookhaven National Laboratory (BNL) or at one of the ten other Department of Energy laboratories.

Selected participants will be associated with members of the Brookhaven National Laboratory scientific and professional staff in an educational training program developed to give research experience in areas of chemistry, physics, engineering, biology, nuclear medicine, applied mathematics, high and low energy particle accelerators, and science writing.


Suffolk County Community College encourages students interested in computer science, mathematics and the sciences to contact the department administrators for more information about these excellent opportunities.

Web site: http://www.sunysuffolk.edu/Web/Central/InstTech/ccinst/doe.htm

**PROFESSIONAL SEQUENCES**

Professional Sequences are custom-designed Suffolk County Community College clusters of courses that prepare individuals for a particular career or field of employment or enhance career development. They offer short-term training that in some cases can be completed in only one semester of study. These sequences do not constitute regular SUNY degree or certificate programs, but a Suffolk County Community College Certificate of Completion will be awarded to those students who pursue and successfully complete a sequence. For further information contact the campus Office of Admissions.

- **In Business**
  - **Office Administration**
    - This short-term sequence provides training for displaced office workers who lack the basic business office skills that are demanded by today’s job market.
    - Credits
      - OT25: Keyboarding and Document Preparation I ..............................................3
      - OT29: Keyboarding and Document Preparation II ............................................3
      - BA11: Introduction to Business .......................................................... 3
      - BA22: Computing for Business ............................................................ 4
      - BA25: Business Communications .......................................................... 3
      - BA42: Professional Development ......................................................... 3
      - Total .................................................. 19
  
- **Accounting**
  - This sequence is designed primarily for those individuals with some background or prior study in accounting who wish to refresh and update their accounting skills using the computer and current software.
  - Credits
    - AC16: Practical Accounting ................................................................. 3
    - AC37: Computer Accounting Principles .............................................. 4
    - BA25: Business Communications ......................................................... 3
    - BA42: Professional Development .......................................................... 3
    - BA22: Computing for Business ............................................................ 4
    - Total .................................................. 17

- **Governmental Accounting**
  - This sequence is designed primarily for those individuals with some background in governmental accounting who wish to refresh and update their accounting skills using the computer and current software.
  - Credits
    - AC11: Principles of Accounting I ........................................................ 4
    - AC26: Governmental Accounting .......................................................... 3
    - AC12: Principles of Accounting II ....................................................... 4
    - AC37: Computer Accounting Principles .............................................. 4
    - Total .................................................. 15

- **Business Administration**
  - The following short-term sequences can help “downsized” individuals retrain in a short period of time. It can also help individuals with non-business-related bachelor’s and associate’s degrees gain new knowledge relevant to specific areas in business.

  - **Option 1 - Marketing**
    - Credits
      - BD57: Marketing ................................................................. 3
      - BD70: Advertising ................................................................. 3
      - BD63: Retail Principles ............................................................. 3
Option 2 - Management  
**Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>3</td>
</tr>
<tr>
<td>BA51: Management Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>BA29: Supervision: Concepts and Practices</td>
<td>3</td>
</tr>
<tr>
<td>BA25: Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BA55: Organizational Behavior</td>
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Option 3 - General Business  
**Credits**

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<tbody>
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<td>BA11: Introduction to Business</td>
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<tr>
<td>BA21: Business Mathematics</td>
<td>3</td>
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<td>BA51: Management Principles and Practices</td>
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<tr>
<td>BA53: Entrepreneurship</td>
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<tr>
<td>BD57: Marketing</td>
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Option 4 - Banking and Finance  
**Credits**

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<tr>
<td>BF11: Introduction to Money and Finance</td>
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<tr>
<td>BF18: Principles of Banking</td>
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</tr>
<tr>
<td>BI28: Financial Markets &amp; Institutions</td>
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</tr>
<tr>
<td>AC11: Principles of Accounting I</td>
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Option 5 - Human Resources Management  
**Credits**

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<thead>
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</tr>
<tr>
<td>BA57: Principles of Training and Development</td>
<td>3</td>
</tr>
<tr>
<td>BA58: Labor-Management Relations</td>
<td>3</td>
</tr>
<tr>
<td>BA55: Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>CS11: Introduction to Computing</td>
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<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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Option 6 - Selling Career  
**Credits**

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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BD73: Salesmanship</td>
<td>3</td>
</tr>
<tr>
<td>BD57: Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>CO21: Theories of Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>BD70: Advertising</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Option 7 - International Business  
**Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA62: Fundamentals of International Business</td>
<td>3</td>
</tr>
<tr>
<td>BA63: Fundamentals of Exporting and Importing</td>
<td>3</td>
</tr>
<tr>
<td>BA64: International Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>BD57: Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BD80: International Marketing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Option 8 - Entrepreneurship  
**Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA11: Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BA29: Supervision: Concepts and Practices</td>
<td>3</td>
</tr>
<tr>
<td>BA53: Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>BA54: The Business Plan</td>
<td>3</td>
</tr>
<tr>
<td>BA59: New Venture Management</td>
<td>3</td>
</tr>
<tr>
<td>AC19: Accounting for Small Business</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

In Computer Science/Information Technology

Internet/Web Development

This 12-credit sequence covers Internet/Web application development concepts. Students must have some prior programming and/or Web development experience.  
**Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS31: Client-Side and Server-Side Web Programming</td>
<td>4</td>
</tr>
<tr>
<td>CS35: Web Site Design</td>
<td>4</td>
</tr>
<tr>
<td>CS39: XML Document Design and Programming</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

Java Programming

This 12-credit sequence covers object-oriented programming concepts utilizing the Java programming language. Students must have some prior programming experience.  
**Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS16: Principles of Computing Using Java I</td>
<td>4</td>
</tr>
<tr>
<td>CS26: Principles of Computing Using Java II</td>
<td>4</td>
</tr>
<tr>
<td>CS60: Data Structures</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

Network Design and Administration

This 16-credit sequence covers network design and administration skills required to obtain an entry-level network administrator position in a corporation's information technology department. Students must have prior information technology work experience.  
**Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS28: Installing, Configuring and Administering Microsoft® Windows® XP Professional</td>
<td>4</td>
</tr>
<tr>
<td>CS68: Network Operating Systems and Network Infrastructure</td>
<td>4</td>
</tr>
</tbody>
</table>
Operating Systems

This 12-credit sequence enables students to work with various computer operating systems: DOS, Novell, LINUX, UNIX and Windows. It is presumed that students will have had some prior experience working with operating systems before enrolling in this sequence.

Credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS66</td>
<td>Operating Systems:</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>LINUX/UNIX</td>
<td></td>
</tr>
<tr>
<td>CS28</td>
<td>Installation, Configuring and Administering</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Microsoft® Windows® XP Professional</td>
<td></td>
</tr>
<tr>
<td>CS68</td>
<td>Network Operating Systems and Network Infrastructure</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>12</td>
</tr>
</tbody>
</table>

Visual Basic Programming

This 12-credit sequence covers Visual Basic programming concepts. Students must have some prior programming experience.

Credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS14</td>
<td>Programming Graphical User Interfaces Using</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Visual Basic</td>
<td></td>
</tr>
<tr>
<td>CS33</td>
<td>Relational Database Applications and Concepts</td>
<td>4</td>
</tr>
<tr>
<td>CS44</td>
<td>Advanced Visual Basic</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>12</td>
</tr>
</tbody>
</table>

- In Health Careers

Emergency Medical Care

This sequence is designed for students who are presently members of or wish to enter an emergency medical service unit. Active membership in an emergency services department is required for enrollment in HC34 and HC36. A Professional Sequence Certificate of Completion will be awarded to students who successfully complete 24 hours of course work.

HC26: Emergency Medical Care I offers training for Emergency Medical Technician–Basic (Basic Life Support). Successful completion of the state examination will result in New York State certification, Emergency Medical Technician–Basic.

HC34 and HC36: Emergency Medical Technician Critical Care II and III offer training for Emergency Medical Technician–Critical Care (Advanced Life Support). Successful completion of the state examination will result in New York State certification, Emergency Medical Technician–Critical Care.

Registration in HC26, HC34 and HC36 requires the student to have a physical examination and submit a college health form and immunization certificate.

Credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC26</td>
<td>Emergency Medical Care I</td>
<td>7</td>
</tr>
<tr>
<td>HC34</td>
<td>Emergency Medical Technician Critical Care II</td>
<td>7</td>
</tr>
<tr>
<td>HC36</td>
<td>Emergency Medical Technician Critical Care III</td>
<td>7</td>
</tr>
<tr>
<td>HC38</td>
<td>Emergency Care Seminar</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>24</td>
</tr>
</tbody>
</table>

Ophthalmic Dispensing

This sequence is designed to prepare individuals to function more effectively in the vision care field.

Credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD11</td>
<td>Ophthalmic Dispensing I</td>
<td>2</td>
</tr>
<tr>
<td>OD13</td>
<td>Ophthalmic Materials I</td>
<td>3</td>
</tr>
<tr>
<td>OD14</td>
<td>Introduction to Contact Lenses</td>
<td>3</td>
</tr>
<tr>
<td>OD20</td>
<td>Ophthalmic Dispensing II</td>
<td>3</td>
</tr>
<tr>
<td>OD23</td>
<td>Ophthalmic Materials II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>14</td>
</tr>
</tbody>
</table>

COOPERATIVE EDUCATION AND INTERNSHIPS

Students in selected majors have the opportunity to earn college credit through supervised internship and cooperative education programs. Internship and co-op classes enable students to integrate on-campus academic studies with applied experiences at a variety of off-campus positions. Through these experiential course offerings, students can explore a career and prepare themselves for future employment or advanced studies.

Cooperative education is supervised, on-the-job training directly related to the student’s academic major and/or career interest. Co-op students integrate classroom theory with practical work experience. Through a required weekly seminar, co-op students receive instruction in group dynamics and communication at the workplace. Job-related experiences are shared and career planning activities are conducted.

Internships enable students to participate in learning activities at a variety of off-campus placements. Through internships, students can gain exposure to contemporary practices and conduct research in their fields of interest. This first-hand insight is combined with weekly on-campus seminars to promote and enrich the academic experience.
Both programs have limited enrollment and entrance requirements designed by academic departments to provide for the most meaningful experiences. In cases where internship or cooperative education courses are not required to complete their curriculum, students should consult with their academic advisors and the campus Career Services and Cooperative Education office well in advance to determine if an internship or cooperative education class is appropriate. Requirements for enrollment in Cooperative Education and Internship classes vary according to program.

Cooperative Education/Internship course offerings are displayed in the chart below. Please consult the Courses section of the catalog for full descriptions of these courses. For further information contact the office of Career Services/Cooperative Education at (631) 451-4049, Ammerman Campus; (631) 548-2672, Eastern Campus; (631) 851-6268, Grant Campus.

### SCIENCE AND TECHNOLOGY ENTRY PROGRAM (STEP)

The Science and Technology Entry Program (STEP) at Suffolk County Community College is offered to students in 7th through 12th grades. STEP is designed to motivate and prepare economically disadvantaged and underrepresented minority students for careers in those licensed professions having a mathematical, scientific or technological orientation. Academic activities that encourage critical thinking, along with intensive instruction in mathematics, science and computer science, are teamed with support services such as counseling and tutoring. This combination provides a nurturing environment which builds self-esteem as it prepares minority and disadvantaged students for entry into a technical curriculum.

During the academic year, SCCC provides career awareness, skill development, and real-world mathematics, science and technology applications to participating students in

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>CREDITS</th>
<th>CAMPUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT20-50</td>
<td>General Motors Practicum I-IV</td>
<td>1</td>
<td>A</td>
</tr>
<tr>
<td>BL50</td>
<td>Paralegal Internship</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>BT56</td>
<td>Biotechnology Internship</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>BU80</td>
<td>Cooperative Education in Business</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>BU15</td>
<td>Disney Cooperative</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>CD55</td>
<td>Field Practicum in Chemical Dependency Counseling</td>
<td>7</td>
<td>G</td>
</tr>
<tr>
<td>CD56</td>
<td>Cooperative Education in Chemical Dependency Counseling</td>
<td>7</td>
<td>G</td>
</tr>
<tr>
<td>CS80</td>
<td>Cooperative Education/Internships for Information Technology</td>
<td>3</td>
<td>A</td>
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<tr>
<td>CU29</td>
<td>Culinary Arts Internship/Cooperative Education</td>
<td>4</td>
<td>E</td>
</tr>
<tr>
<td>HM60</td>
<td>Career Internships: Equity, Choices and Professionalism in the Workplace</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>HO91</td>
<td>Horticulture Internship/Cooperative</td>
<td>3</td>
<td>E</td>
</tr>
<tr>
<td>ID80</td>
<td>Interdisciplinary Cooperative Education and Internships</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>IN79</td>
<td>Cooperative Education and Internships in Interior Design</td>
<td>3</td>
<td>E</td>
</tr>
<tr>
<td>JN31</td>
<td>Journalism Practicum</td>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>OD48</td>
<td>Ophthalmic Externship</td>
<td>3</td>
<td>G</td>
</tr>
<tr>
<td>PO51</td>
<td>Public Service Internship</td>
<td>3-4</td>
<td>A</td>
</tr>
<tr>
<td>RT50-51</td>
<td>Internship in Video and Sound</td>
<td>4</td>
<td>A</td>
</tr>
<tr>
<td>VA80</td>
<td>Cooperative Education in Photography and Graphic Design</td>
<td>3</td>
<td>E</td>
</tr>
<tr>
<td>VS31</td>
<td>Animal Clinic Internship I</td>
<td>3</td>
<td>W</td>
</tr>
<tr>
<td>VS32</td>
<td>Animal Clinic Internship II</td>
<td>3</td>
<td>W</td>
</tr>
</tbody>
</table>

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twelve Saturday enrichment classes. Support services include parental involvement, local school advisors, peer counseling, leadership training and a mentoring program.

**LIBERTY PARTNERSHIPS PROGRAM (LPP) FOR SECONDARY STUDENTS**

The Liberty Partnerships Program (LPP) at Suffolk County Community College represents a cooperative effort between the college, the Longwood Central School District, governmental agencies and business and industry to provide a unique, comprehensive and supportive environment for students who may be at risk of dropping out of school. Its purpose is to serve those students who may not be reaching their academic potential by providing academic services that will improve their ability to complete high school and successfully enter postsecondary education or the workforce.

LPP motivates students through positive academic, team building, cultural and counseling experiences. Admission criteria include poor academic performance, poor attendance, negative peer pressure and limited English proficiency. Academic support activities offered at the local school level include initial and ongoing assessment, tutoring, SAT preparation classes, Regents review sessions, and college preparatory course work. Leadership activities, team building opportunities, small group counseling, cultural activities and visits to business, industry and local colleges provide additional motivation vehicles.

LPP students who are juniors and seniors are also eligible to enroll in a two-semester program that leads successful students to 1.5 college credits upon completion. This offering contains a one-semester non-credit course that focuses on reading, writing, study skills, critical thinking and computer skills. The second semester course exposes students to topics of interest to college students and enhances their basic research skills.

**BIO-PREP FOR CURRENTLY ENROLLED SCCC STUDENTS**

In cooperation with the State University of New York at Stony Brook, SCCC provides Partnerships in Excellence in Biomedical Sciences (BioPREP), an intensive biomedical preparatory experience for current students who are of African-American, Hispanic-American, Native-American and Pacific Islander descent. This program is for high achievers with a grade point average of B or greater who are interested in pursuing a career in the biomedical or allied health fields.

**MINORITY ACHIEVERS SCHOLARSHIP PROGRAM (MASP)**

The Minority Achievers Scholarship Program (MASP), co-sponsored by the New York State Office of Equality and Access and Suffolk County Community College, recognizes and provides full and partial scholarships to eligible students who maintain a high grade point average.

The purpose of the Minority Achievers Scholarship Program is to:
- attract high-achieving underrepresented minorities
- retain high-achieving underrepresented minorities
- prepare motivated students to become high achievers, with a long-term goal of becoming an honor student at SCCC or entering a four-year institution as a minority achiever and a recipient of an Empire State Scholarship for two additional years.

Underrepresented minorities as defined by the State University of New York are African-American, Hispanic and Native American.

**CORPORATE TRAINING**

The college’s Sally Ann Slacke Corporate Training Center is located on the Grant Campus in Brentwood. It offers a wide array of workforce and professional development training to meet the needs of the region’s business sector and not-for-profit public agencies through credit and non-credit courses, contract training, grant-funded programs and special seminars and symposia.

The success of the training center lies in its ability to offer cost-effective, employer-specific training that is tailored to a company’s unique individual needs. More than 500 companies and 6,000 students have received training through the Corporate Training Center in classes ranging from WordPerfect to Total Quality Management.

Along with providing training to individual companies through contracts and grants, the Corporate Training Center conducts conferences and seminars on subjects of current regional interest. More than 5,000 participants have attended these innovative programs. As testimony to their popularity, over 40%
of those attending have been past program participants.

In addition to offering a number of cutting-edge programs designed to keep pace with the rapidly changing technological and training needs of business and industry, the Corporate Training Center has Microsoft-certified instructors who teach certified software applications. The Microsoft certification is a standard well-known throughout the industry and can be used to measure an applicant's computer skill level.

In response to the needs of Long Island employers, the college has met the challenge of providing low-cost quality training through contract and grant-funded training programs such as the following:

- **Computer Applications**: Includes such areas as Microsoft Word, Access, Excel, Outlook and PowerPoint taught on- or off-site

- **Entrepreneurship**: Through a grant-funded program known as the Entrepreneurial Assistance Program, new business owners and people thinking of starting a new business are introduced to the basics of running a small business.

- **Small Business Training**: Through contracts and grants, small businesses can take advantage of a wide range of training courses to help improve their operations. Customer Service, Communications, Sales and Marketing and Team Building are only a few of the dozens of courses offered.

- **Professional Development**: Owners of businesses have utilized the Corporate Training Center’s services to improve the managerial and supervisory skills of their staff. It has also aided businesses in defining career ladders for their employees.

- **Specialized and Customized Skills Training**: English as a Second Language, taught on-site, is helping businesses meet the challenge of Long Island’s changing demographics.

Geographic Information Systems is becoming an increasingly important tool utilized by planning departments, fire and police departments and businesses who have to schedule movements of goods and services.

ISO Preparatory training has proved to become most important for Long Island firms producing goods and services for export sale in our global economy.

- **Online Learning**: Currently in development are a number of courses that can be accessed electronically at the Corporate Training Center’s facilities or through home or office computers. This new innovation will maximize the Corporate Training Center’s flexibility in providing expanded training opportunities to employees at very reasonable cost.

**Grant-Funded Training Programs**

Since 1985 the college’s newly renamed Sally Ann Slacke Corporate Training Center

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**SALLY ANN SLACKE**

CORPORATE TRAINING CENTER

Grant Campus

Crooked Hill Road

Brentwood, NY

Going East: Take the Long Island Expressway (I-495) to Exit 53 (Sagtikos Parkway/Wicks Road). Follow signs to Wicks Road. Go north (under the LIE) and immediately turn right onto Long Island Motor Parkway (east). Travel east about 2 miles to Adams Avenue. Turn north on Adams Avenue and follow to Oser Avenue. Turn east on Oser Avenue to #205 on right. Park in the rear.

Going West: Take the Long Island Expressway (I-495) to Exit 55 (Long Island Motor Parkway). Turn right from LIE Service Road onto Long Island Motor Parkway (west). Travel west about 2 miles to Marcus Boulevard. Turn north on Marcus Boulevard and follow to Oser Avenue. Turn west on Oser Avenue to fourth building #205 on left. Park in the rear.

The Corporate Training Center is served by the following Suffolk County Transit bus routes: S-27, S-33, S-62, 3A, 3B.
Continuing Education

Suffolk County Community College offers an extensive program of non-credit continuing education courses at each of the campuses. Students may choose special courses to improve academic skills, enhance business skills, gain assistance in changing careers, satisfy continuing professional education requirements for licensed professions, or increase knowledge in a particular area of interest. Courses are offered in traditional classroom format and online to meet students’ needs and learning styles.

Among Suffolk’s most popular offerings each year are Microsoft Office, Exploring the Internet, Introduction to Windows, Floral Design, Water Gardens, How to Protect Your Savings, SAT Preparation, Driver Education, Stress Management, Medical Billing and Real Estate Sales.

In addition, the college offers non-credit courses to governmental agencies. These include courses for Civil Service employees and municipal workers.

Professional education courses include food service management for dietary managers, continuing education for enrolled agents of the IRS and for CPAs.

Community education efforts focus on GED/literacy and workforce development skills programs.

The following six areas provide an indication of the wide variety of courses that are included under the college’s various non-credit continuing education programs.

Improvement of Academic Skills

At each of the campuses, students may participate in non-credit continuing education courses which will increase the likelihood of success in college-level course work. Study Skills for the Adult Student, Overcoming Math Anxiety, Basic Reading, Basic Writing, and the Scholastic Aptitude Test Preparation course are examples of courses which improve the academic success of non-credit students.

Persons who have not graduated from high school are invited to participate in the GED Program.

Courses to Aid Vocational Pursuits

A comprehensive program of vocationally oriented non-credit continuing education courses is offered to assist students in refreshing old skills and acquiring new ones. Courses address computer software applications, computer programming, medical billing, real estate sales, the essentials of operating businesses such as a bed and breakfast or import/export, preparation for working in the floral design industry and environmental protection awareness.

Health and Wellness Courses

These courses include non-credit continuing education opportunities in personal health maintenance as well as training programs for those employed in the health professions. Some popular offerings include Assertiveness Training, Work Smarter – Not Harder, AIDS Education, CPR, Child Abuse, and Tai Chi Chuan.

Financial Courses

Financial courses provide objective information and advice to Suffolk County residents on a broad spectrum of financial planning topics for individuals and small businesses. Financial Planning for Retirement, College Planning and a Financial Planning Seminar are just a few of the non-credit continuing education courses which are offered.

Personal Enrichment Courses

Many community residents take advantage of the extensive program of non-credit continuing education personal enrichment courses offered at each of the campuses.
Courses in areas such as photography, gardening, stained glass and foreign language study offer opportunities for exploration and enrichment in diverse areas. Courses are instituted in response to community requests for avocational instruction.

**Programs for Special Populations**

Several programs are designed for specific audiences. These offerings include driver education, and continuing education for nursing professionals, dietary managers, enrolled agents and educators. In addition, continuing education offers Saturday and summer drama, sports, science and computer programs for children.

**SENIOR CITIZENS**

Suffolk County residents 60 years of age or older are invited to attend credit-bearing courses on a space-available basis without paying tuition. Please note, however, that senior citizens enrolling in a physical education, internship, cooperative education or field placement course/program are required to pay a non-refundable Accident Insurance Fee.

Those who attend courses through this program do not receive academic credit but have an opportunity to develop their personal and professional interests by attending the classes as “audit” students. Though not paying tuition, senior citizens are subject to the audit conditions outlined under “AUD–AUDIT” on pages 63-64 of this catalog. It should be understood that no grades can be earned or recorded for participation in these courses.

Unfortunately, the college cannot extend this opportunity to attend courses on a space-available basis to senior citizens registering for non-credit courses, since the latter must be financially self-supporting.

Each semester a special registration time is set aside for senior citizens who wish to avail themselves of this program. Additional information may be obtained by calling the campus Registrar’s Office.

Senior citizens are also invited to attend the theatre productions, concerts, art exhibits and lectures sponsored by the college. Most events have no admission charge, although tickets may be required.
SCCC Alumna Profile

Donna Engel, Class of 1983
Commanding Officer, 5th Precinct,
Suffolk County Police Department

In 1979 when the Suffolk County Police Department started hiring women to train as patrol officers, Donna Engel was working for the department as a secretary and ready for a career move. Several male officers encouraged her to take the entrance exam for Suffolk County Police Officer. Following their advice was the beginning of her rise through the literal ranks of the department, from police officer to Inspector of the 5th Precinct in Patchogue.

Shortly after graduating from Islip High School, Donna enrolled at the Grant Campus because it was “just up the street and a good place to start.” She attended evening classes part time and finished her degree while in training at the Police Academy. “Overall, Suffolk gave me the positive experience I needed to go on for my bachelor’s degree,” says Donna, who graduated with an A.A.S. degree in Business Administration.

Donna’s bachelor’s degree in Business Administration, awarded by St. Joseph’s College in 1986, was only the next step. She also earned an M.B.A. from Dowling College in 1990 and completed training at the F.B.I. National Academy in Quantico, VA, in 2001.

Meanwhile, Donna advanced steadily in her career. She served as a Police Officer from 1982 to 1988 and was subsequently promoted to Sergeant in 1988, Lieutenant in 1995, Captain in 1999, and Deputy Inspector in 2000. In 2002 she was assigned as the Commanding Officer of the Suffolk County Police Academy Bureau and in 2003 was promoted to Inspector in the Office of the Chief of Patrol. Most recently, she was appointed Commanding Officer of the 5th Precinct. Since her promotion to Captain, she has held the highest rank ever achieved by a woman in the Suffolk County Police Department.

In May 2003 Donna returned to SCCC’s Grant Campus for another graduation, but this time she stood behind the podium as commencement speaker. She told the graduates that life is full of many journeys and that their chosen path may not be easy, clearly marked or free of fears. She urged them to conquer those fears and remember the words of the Reverend Jesse Jackson: “If you can conceive it, and believe it, then you can achieve it.”
TYPES OF DEGREES

Suffolk County Community College offers a variety of two-year curricula leading to the associate’s degree, as well as a number of one-year certificate programs. There are three different associate degrees, each having a specific purpose and differing credit distributions.

Associate in Arts (A.A.) Degree
This is a liberal arts-based degree for which the objective is preparation for transfer to a baccalaureate degree program, generally in a liberal arts major (i.e., English, history, philosophy, psychology, sociology, etc.).

One of the college’s A.A. degree curricula, Liberal Arts and Sciences: General Studies, is the largest curriculum in terms of the number of students enrolled. For many, it provides an opportunity to design a program of studies which parallels the first two years’ courses at the college or university to which they intend to transfer. For others who are undecided about their academic and career goals, the General Studies curriculum provides the flexibility to explore diverse fields of interest in order to help define their educational and career goals. Students may choose to concentrate some of their elective credits in a particular occupational area to facilitate employment after graduation.

Associate in Science (A.S.) Degree
This is a liberal arts and science-based degree for which the objective is preparation for transfer to a baccalaureate degree program, generally in a professional field of endeavor (i.e., chemistry, engineering, computer science, etc.).

Associate in Applied Science (A.A.S.) Degree
This is an occupationally based degree for which the primary objective is preparation for job entry immediately upon completion of the degree program (i.e., nursing, occupational therapy assisting, paralegal assistant, graphic design, etc.). While the emphasis is on providing particular occupational skills, each curriculum includes courses in the humanities, social sciences and mathematics.

Some graduates of these programs may also transfer to four-year colleges. For example, through an appropriate choice of elective courses, a student in the A.A.S. degree program in Business Administration may prepare for transfer to a baccalaureate degree program. However, specific course transfers are subject to the discretion of the respective baccalaureate institution.
Certificate Programs

These are designed to provide students with skills that lead to employment after the equivalent of one year of full-time college study. Many of the certificate programs can be used as the first stage in an educational program leading eventually to an associate or baccalaureate degree. Curricula include Administrative Assistant, Computer Information Systems, Horticulture, Computer-Assisted Drafting, Paralegal Studies and many others. Each program includes some liberal arts courses, but the emphasis is on providing practical knowledge, skills and techniques which can be applied immediately in the work situation.

CORE GENERAL EDUCATION REQUIREMENTS

State University of New York (SUNY)

In December 1998 the State University of New York Board of Trustees established a 30-credit-hour General Education Requirement for all baccalaureate degree candidates at the University’s state-operated campuses, to begin with the freshman class entering in fall 2000. This requirement was specifically designed to achieve student learning outcomes in ten knowledge and skill areas, as specified below. Students must take at least one course in each of these areas:

1. Mathematics*
2. Natural Sciences
3. Social Sciences
4. American History
5. Western Civilization
6. Other World Civilizations
7. Humanities
8. The Arts
9. Foreign Language
10. Basic Communication

In addition to the 10-course requirement, students must also demonstrate the following competencies, which are infused throughout the General Education program:

1. Critical Thinking (Reasoning)
2. Information Management

While the 30-credit-hour requirement strictly applies only to baccalaureate degree candidates, community college graduates who plan to transfer to SUNY four-year institutions are expected to complete a minimum of 21 credits (7 courses) of the SUNY general education course requirements and are strongly advised to satisfy the full 30-credit requirement prior to transfer.

All A.A. and A.S. degree programs at Suffolk County Community College enable students to satisfy the minimum 21-credit requirement and the great majority of them enable students to complete even more of the specific SUNY general education course requirements. In some of Suffolk’s degree programs (i.e., General Studies, Humanities, Women's Studies, Fine Arts, Performing Arts: Music, Preforming Arts: Drama, Fitness Specialist, Mathematics and Science), students can, in the course of satisfying their SCCC degree requirements and through the judicious use of electives, simultaneously complete the full 30-credit SUNY general education requirement.

*NOTE: To fulfill the SUNY mathematics general education requirement while studying at SCCC, students must successfully complete MA23, MA27, MA36 or MA61 or higher.

Suffolk County Community College

Students in all degree programs at Suffolk County Community College must, as a condition of graduation, satisfy core general education course requirements.

Students in A.A. and A.S. degree programs must satisfy the following minimum requirements:

**EG11:** Standard Freshman Composition
**EG13:** Introduction to Literature
**Humanities:** 9 credits (only one course may be English)
**Social Sciences:** 9 credits (must include at least one semester of History: Western Civilization, American History or Non-Western Culture)
**Mathematics:** One college-level mathematics course
**Science:** One laboratory science course
**Physical Education/Wellness:** 2 credits
**OS15:** 1.5 credits

Students in A.A.S. degree programs must satisfy the following minimum requirements:

**EG11:** Standard Freshman Composition
**EG13:** Introduction to Literature
**Humanities:** 3 credits (any humanities course other than English)
**Social Sciences:** 6 credits
Mathematics/Science: Two mathematics and/or laboratory science courses
Physical Education/Wellness: 2 credits
OS15: 1.5 credits

PROGRAM CLUSTERS

Suffolk County Community College’s varied curricula can be grouped under the following clusters, thus providing a convenient way to identify programs of study that are related to a general educational or career focus.

ARTS
Computer Art
Graphic Design
Interior Design Assistant
Music
Photographic Imaging
Theatre Arts
Visual Arts

BUSINESS
Accounting
Business Administration
Business Management
Culinary Arts
Horticulture
Information Processing
Marketing
Office Management
Paralegal Studies
Retail Business Management

COMMUNICATIONS
Communications and Media Arts: Journalism
Radio and Television Production

COMPUTER STUDIES, ENGINEERING AND TECHNOLOGY
Automotive Service Specialist
Computer-Assisted Drafting
Computer Science
Construction Technology–Architectural Technology
Electrical Engineering Technology
Engineering Science
Fire Protection Technology/Fire Investigation Heating, Ventilation, Air Conditioning and Refrigeration
Information Technology
Telecommunications Technology

HEALTH, COMMUNITY AND HUMAN SERVICES
American Sign Language/Interpreter for the Deaf
Chemical Dependency Counseling
Criminal Justice
Dietetic Technician
Early Childhood Education
Fitness Specialist
Health Information Technology
Human Services
Nursing
Occupational Therapy Assistant
Ophthalmic Dispensing (Opticianry)
Physical Therapist Assistant
Recreation Leadership
Veterinary Science Technology

LIBERAL ARTS AND SCIENCES
Education
General Studies
Humanities
International Studies
Mathematics
Science
Social Science
Women’s Studies

EVENING PROGRAMS

Half the college’s student body is comprised of students enrolled in classes scheduled during the late afternoons and evenings, Monday through Friday, and in weekend course offerings. These students differ widely in age and educational goals. Most are part-time students, enrolling for fewer than 12 credits each semester, but some enroll as full-time students carrying 12 or more credits each semester. Most evening students are enrolled in one of the degree or certificate programs, but some students simply take a few courses to meet specific job requirements, prepare for advancement to better positions, promote self-development, or broaden their understanding of contemporary cultural and social phenomena.

Evening and weekend classes are offered on all three campuses as well as at several off-campus locations using high school or public library facilities. These courses are identical to those offered during the day session. All academic and administrative guidelines and regulations which pertain to full-time students also apply.
to part-time students. These students have access to the complete classroom, laboratory and library facilities of the campuses and are provided with academic advisement, counseling and other services.

Individuals who plan to work toward a degree or certificate should apply as a full-time or part-time matriculated student through the Admissions Office. For those who are interested in taking credit courses for personal or vocational enrichment and are not pursuing a degree or certificate, the campus Registrar’s Office should be contacted. For those who are interested in taking non-credit courses, please see Continuing Education on pages 83-84.

The Programs of Study chart on pages 21-26 shows degree and certificate programs offered on the different campuses of the college which can normally be completed by students attending evening classes. The “evening” designation is intended as a general guide only. Insufficient enrollment in a particular course or program, or in a given semester, may make it necessary for students to enroll in a day class, or at another campus, or to attend extra semesters in order to complete specific required courses. Please consult with the campus Office of Instruction on any campus for further information.

**SUMMER SESSIONS AND WINTERSESSION**

The college operates comprehensive summer sessions at all three campuses, consisting of two consecutive five-week day and evening sessions, as well as an overlapping eight-week session for selected courses. Nine to 12 credits may be completed by enrolling during several of these sessions. Any student wishing to enroll for more than 12 credits must receive permission from the Campus Dean’s office on his/her campus.

A three-week wintersession offering only day classes is scheduled each year in late December and January before the spring semester begins. Three credits may be completed during the wintersession.

In addition to the college’s own students, the summer sessions and the wintersession are popular with students visiting from other colleges and universities who wish either to make up or accelerate course work in their own programs of study.

**DURATION OF STUDY**

Students could complete the A.A., A.S. or the A.A.S. degree in two years of successful full-time study, while the Certificate programs are designed for one year of full-time study. Students working toward the degree or certificate on a part-time or minimum full-time basis should understand that completion of the program will take longer.

Increasingly, students find it difficult to compete the programs of study in the suggested time because of family obligations, work hours or other responsibilities. Suffolk understands these circumstances and encourages students to consult with the college’s counselors for assistance in determining the optimum course load and time frame for pursuing their program of study.

There is no academic penalty for taking longer than the one or two years outlined in the curricula that follow; in fact, most students do. Some students find that attending the summer sessions and/or the wintersession provides an opportunity to expedite their progress in their program of study.

**CURRICULA DESCRIPTIONS AND REQUIREMENTS**

At the heading of each curriculum there is an indication of which campus offers the particular curriculum: the Ammerman Campus at Selden, Eastern Campus at Riverhead and Grant Campus at Brentwood.

Curriculum code numbers (which are not Hegis code numbers) are indicated at the right of each heading after the campus designation. For further information regarding any curriculum, students should seek advice from the educational counselors or the Admissions Office on any of the three campuses.

**PLEASE NOTE:**

1. In any of the curricula described in this section, some or all of the following non-credit developmental courses may be required, but they do not fulfill degree requirements:

   **ENGLISH**
   - EG09: Basic English Skills
   - EG10: Developmental Writing

   **MATHEMATICS**
   - MA01: Developmental Mathematics Skills
   - MA06: Pre-Algebra and Algebra I
   - MA07: Algebra I
READING

RE09: Introduction to College Reading
RE10: Reading in the Content Areas

In addition, students for whom English is a second language may be required to take any or all of the following English as a Second Language (ESL) non-credit developmental courses:
EF01-02: ESL: College Reading I and II
EF03-04: ESL: Intensive Grammar I and II
EF05-06: ESL: College Listening/Speaking Skills I and II
EF07-08: ESL: College Composition I and II

2. The OS15: Freshman Seminar requirement may also be fulfilled by taking OS20: Personal Growth and College Life; LR11: Research Essentials: The Library and the Internet; LR15: Library Research Methods; WS12: Women’s Seminar; BU15: College/Workplace Skills Seminar (for students in accounting, business-related curricula and paralegal) or NR15: Seminar for Nursing Students (only for students in the A.A.S. degree Nursing curriculum).

3. In order to graduate from any curriculum, either degree or certificate, students must attain a minimum cumulative grade point average of 2.0 in their overall course requirements as well as in their major courses. The courses constituting the major in each curriculum are designated with a *. Only the Liberal Arts and Sciences: Adolescence Education Emphases, the Liberal Arts and Sciences: Education (Child Study) Emphasis and the Liberal Arts and Sciences: General Studies Emphasis curricula do not designate major courses.
ACCOUNTING/ A.A.S. DEGREE

Hegis Code - 5002
Ammerman - Eastern - Grant / 335-1

This two-year program, leading to the Associate in Applied Science degree, is designed for students who plan to seek accounting positions in business, industry or governmental agencies upon completion of two years of college study. The program also meets the needs of employed individuals desirous of job advancement who wish to learn applications of accounting theory to current practices in the field. Finally, the program offers preparation for possible transfer since most courses are acceptable for credit at four-year colleges.

**FIRST SEMESTER: 19.5 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU15: College/Workplace</td>
<td>1.5</td>
</tr>
<tr>
<td>Skills Seminar</td>
<td></td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>BA21: Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>AC11: Principles of Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>EK21: Macroeconomics: The National Economy or EK22: Microeconomics: Prices and Markets</td>
<td>4</td>
</tr>
<tr>
<td>BA22: Computing for Business or CS11: Introduction to Computing</td>
<td>4</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER: 18 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA11: Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>AC12: Principles of Accounting II</td>
<td>4</td>
</tr>
<tr>
<td>AC37: Computer Accounting Principles</td>
<td>4</td>
</tr>
<tr>
<td>* Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education Elective</td>
<td>1</td>
</tr>
</tbody>
</table>

**THIRD SEMESTER: 16-17 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC70: Cost Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>BL71: Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Accounting Elective</td>
<td>3</td>
</tr>
<tr>
<td>BA25: Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>** Mathematics Elective</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**FOURTH SEMESTER: 15-17 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC16: Practical Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BL72: Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics or Science Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Accounting Elective</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 68.5-71.5**

* Students considering transfer to a four-year college should complete EK21 and EK22.

** Recommended: MA23.

* These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting and Business</td>
<td>41.5-45.5</td>
</tr>
<tr>
<td>Computer Science</td>
<td>0-4</td>
</tr>
<tr>
<td>Humanities</td>
<td>9-10</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>6-8</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>
ACCOUNTING / A.S. DEGREE

Hegis Code - 5002
Ammerman - Eastern - Grant / 208-1

This two-year program, leading to the Associate in Science degree, is designed for students who plan to transfer to a four-year college for continued study toward the baccalaureate degree in accounting and who ultimately wish to prepare for the New York State Certified Public Accountant examination. Courses in this curriculum have been carefully selected to ensure that they will be accepted for transfer credit in most upper-division collegiate programs.

Admission Procedures and Requirements

Entering students must have an 80 high school average which includes successful completion of Mathematics A and B. Students already enrolled in college without high school math need to have completed MA27. Applications are processed on a rolling basis for fall and spring semesters. Most students with minimum admission criteria will be admitted into the program.

Note that students who do not meet the admission criteria may be admitted on a provisional basis.

**FIRST YEAR: 36.5-38.5 credits**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>EG11: Standard Freshman Composition and EG13: Introduction to Literature</td>
</tr>
<tr>
<td>8</td>
<td>AC11: Principles of Accounting I and AC12: Principles of Accounting II</td>
</tr>
<tr>
<td>3</td>
<td>BA11: Introduction to Business</td>
</tr>
<tr>
<td>6-8</td>
<td>Mathematics Electives (2 courses)</td>
</tr>
<tr>
<td>4</td>
<td>BA22: Computing for Business or Computer Science (CS) Elective</td>
</tr>
<tr>
<td>1.5</td>
<td>BU15: College/Workplace Skills Seminar</td>
</tr>
<tr>
<td>2</td>
<td>Physical Education</td>
</tr>
</tbody>
</table>

**SECOND YEAR: 33-34 credits**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>AC51: Intermediate Accounting I and AC52: Intermediate Accounting II</td>
</tr>
<tr>
<td>6</td>
<td>BL71: Business Law I and BL72: Business Law II</td>
</tr>
<tr>
<td>3-4</td>
<td>Business Elective</td>
</tr>
<tr>
<td>3</td>
<td>Accounting Elective</td>
</tr>
<tr>
<td>3</td>
<td>History Elective</td>
</tr>
<tr>
<td>6</td>
<td>Humanities Electives (2 courses)</td>
</tr>
<tr>
<td>4</td>
<td>Laboratory Science Elective</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 69.5-72.5

* Mathematics courses must be chosen from MA23 and beyond, with the exception of MA27. MA36 and MA64 are recommended.
** To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90.

These courses constitute the major courses in this curriculum.

NOTES: 1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.
2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.5-37.5</td>
<td>Accounting and Business</td>
</tr>
<tr>
<td>0-4</td>
<td>Computer Science</td>
</tr>
<tr>
<td>12</td>
<td>Humanities</td>
</tr>
<tr>
<td>9</td>
<td>Social Sciences</td>
</tr>
<tr>
<td>6-8</td>
<td>Mathematics</td>
</tr>
<tr>
<td>4</td>
<td>Laboratory Science</td>
</tr>
<tr>
<td>2</td>
<td>Physical Education</td>
</tr>
</tbody>
</table>
ACCOUNTING / CERTIFICATE PROGRAM

Hegis Code - 5002  
Ammerman - Eastern - Grant / 407-1

This one-year program is designed specifically for individuals who are currently employed and who will enroll as part-time students over a period of at least four semesters. The curriculum includes four standard collegiate accounting courses (AC11, 12, 51 and 52) which must be taken in sequence. Students who wish to continue their studies after completing this program will find that all courses are acceptable toward the A.S. and A.A.S. degrees in accounting.

Since this program is intended for part-time students, it is not displayed in the usual semester pattern. Normally, four to six semesters will be required for completion on a part-time basis.

Credits

- **EG11**: Standard Freshman Composition ... 3
- **AC11**: Principles of Accounting I ........... 4
- **AC12**: Principles of Accounting II ........ 4
- **AC51**: Intermediate Accounting I ........... 4
- **AC52**: Intermediate Accounting II ....... 4
- **BA11**: Introduction to Business ............ 3
- **BL71**: Business Law I ..................... 3
- **AC37**: Computer Accounting Principles ................................................ 4
- Accounting Elective:
  - **AC16** recommended ..................... 3
- Economics: EK11, EK21 or EK22 .............. 3

TOTAL CREDITS REQUIRED: 35

REQUIRED CREDIT DISTRIBUTION

Business ........................................ 29 credits
English ........................................... 3 credits
Economics ..................................... 3 credits

AMERICAN SIGN LANGUAGE/A.A.S. DEGREE

Hegis Code - 5599  
Ammerman / 341

The particular design of this program allows a concentration in one of two sequences: Interpreter for the Deaf or American Sign Language Studies.

The **Interpreter for the Deaf sequence** is designed to expose students to those interpreting skills necessary to function as an interpreter in a wide range of settings. The academic preparation will provide a foundation for students to sit for certification evaluation conducted by the Registry of Interpreters for the Deaf, the National Association for the Deaf and/or interpreting agencies on Long Island and in New York City.

The **American Sign Language Studies sequence** is designed for individuals who are interested in the fields of deafness, linguistics, psychology as it relates to deafness, social work and/or special education but do not want to become interpreters. Graduates will be prepared for transfer to four-year degree programs in deafness rehabilitation, social work, special education and other related areas. Students interested in pursuing New York State certification as a teacher of American Sign Language in public schools are advised to pursue the Interpreter for the Deaf sequence which satisfies the state requirement of 36 credits in ASL.

Students must achieve a minimum passing grade of C in all ASL courses in order to proceed to the next ASL course. Only one repeat will be permitted.

Admission Procedures and Requirements

**Interpreter Sequence**: To be considered for admission to the Interpreter Sequence, the student must have completed each of the following courses with a grade of B or higher:

- **SL10**: American Sign Language I (4 credits)
- **SL14**: American Sign Language II (4 credits)
- **SL23**: Deaf Culture and Contemporary Issues (3 credits)
- **EG11**: Standard Freshman Composition (3 credits)
- **EG33**: The Structure of English (3 credits)
Interpreter Sequence students must achieve a minimum grade of B in all SL courses, as well as in EG11 and EG33, in order to be admitted into the program, to remain in the program and to graduate.

**American Sign Language Studies Sequence:** To be considered for admission to the ASL Studies sequence, the student must achieve a GPA of 2.75 in the following courses with a minimum grade of C in each:
- EG11: Standard Freshman Composition
- SL10: American Sign Language I
- SL23: Deaf Culture and Contemporary Issues
- PC11: Introduction to Psychology

Both ASL sequences are restricted programs and admission is highly competitive. Not all applicants meeting the minimum criteria for admission will be accepted. Applications for the Interpreter for the Deaf sequence are processed for the fall semester only. Preference is given to students who clearly identify which sequence they are applying for (341-1 or 341-2) and who file their application by April 1.

The Interpreter for the Deaf sequence will take 3 to 4 years of full-time study to complete due to the required course sequences and admission policy.

SL10, SL14, SL20, SL22, SL23 and SL24 are open to non-program students who have completed the appropriate prerequisites.

### Interpreter for the Deaf Sequence

**Ammerman / 341-1**

<table>
<thead>
<tr>
<th><strong>FIRST SEMESTER: 12.5 credits</strong></th>
<th><strong>Lec.</strong></th>
<th><strong>Lab.</strong></th>
<th><strong>Cr.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>• SL10: American Sign Language I</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>• SL23: Deaf Culture and</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Contemporary Issues</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EG11: Standard Freshman</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Composition</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<td>2</td>
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</table>

<table>
<thead>
<tr>
<th><strong>SECOND SEMESTER: 14 credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• SL14: American Sign Language II</td>
</tr>
<tr>
<td>HC44: Group Dynamics</td>
</tr>
<tr>
<td>EG33: The Structure of English</td>
</tr>
<tr>
<td>PC11: Introduction to</td>
</tr>
<tr>
<td>Psychology</td>
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<tr>
<td>Physical Education</td>
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</table>

<table>
<thead>
<tr>
<th><strong>THIRD SEMESTER: 13 credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• SL20: American Sign Language III</td>
</tr>
<tr>
<td>• SL24: Fingerspelling</td>
</tr>
<tr>
<td>• SL26: Introduction to Principles of Interpreting and Transliterating</td>
</tr>
<tr>
<td>BY14: Principles of Biology</td>
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</table>

<table>
<thead>
<tr>
<th><strong>FOURTH SEMESTER: 12-13 credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• SL28: Comparative Linguistics: ASL and English</td>
</tr>
<tr>
<td>• SL32: Sign-to-Voice Interpreting</td>
</tr>
<tr>
<td>PC60: Developmental</td>
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<tr>
<td>Mathematics/Science</td>
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<tr>
<td>Elective</td>
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<table>
<thead>
<tr>
<th><strong>FIFTH SEMESTER: 13 credits</strong></th>
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</thead>
<tbody>
<tr>
<td>• SL22: American Sign Language IV</td>
</tr>
<tr>
<td>• SL34: Voice-to-Sign Interpreting</td>
</tr>
<tr>
<td>CO11: Introduction to Human</td>
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<tr>
<td>Communication</td>
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<tr>
<td>Humanities Elective</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SIXTH SEMESTER: 5 credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• SL43: Sign Language Interpreter Seminar/Fieldwork</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED:** 69.5-70.5

* Although the SL43 Seminar is held in the evening, students are assigned to and must be available for their field placements during the day (7:00 a.m.-4:00 p.m.). Placement is contingent upon site availability and screening processes. Students may be required to travel outside their local area. Those interning in K-12 settings must attend a minimum of four consecutive days and maintain a consistent interpreting schedule (12 hours weekly).

* These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Sign Language</td>
<td>38</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>9</td>
</tr>
<tr>
<td>Health Concepts</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

*continued on next page*
### American Sign Language Studies Sequence

**Ammerman / 341-2**

**FIRST SEMESTER: 15.5 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td>-</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td><strong>SL10: American Sign Language I</strong></td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>SL23: Deaf Culture and Contemporary Issues</strong></td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>-</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER: 16 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG33: The Structure of English</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td><strong>SL14: American Sign Language II</strong></td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>PC60: Developmental Psychology</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>HC44: Group Dynamics</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

**THIRD SEMESTER: 16 credits**

- SL20: American Sign Language III... 3 4
- SL24: Fingerspelling... 2 2
- BY14: Principles of Biology... 3 2 4
- PC63: The Exceptional Child... 3 3

**FOURTH SEMESTER: 17-18 credits**

- SL22: American Sign Language IV... 3 4
- SL28: Comparative Linguistics... 3 3
- Unrestricted Elective... 3 3
- Mathematics/Science Elective... 3 3
- HC11 or other Health Elective... 3 3
- Physical Education... 2 1

**TOTAL CREDITS REQUIRED: 64.5-65.5**

- These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Sign Language</td>
<td>24</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>7-8</td>
</tr>
<tr>
<td>Health Concepts</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Unrestricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1.5</td>
</tr>
<tr>
<td>Health Concepts</td>
<td>2</td>
</tr>
</tbody>
</table>
**AUTOMOTIVE SERVICE SPECIALIST / A.A.S. DEGREE**

**Hegis Code - 5306**
Ammerman / 369

The Automotive Service Specialist Program is designed to prepare automotive technicians for responsible positions in either General Motors Dealerships for the GM ASEP program (369-1) or in independent shops for the ATAC program (369-2). The ASEP Automotive Program is certified by the National Automotive Education Technical Foundation (NATEF).

**Admission Procedures and Requirements**

This program begins only in the fall and is competitive. All applicants must take the college entrance exams (CPTs) unless approved for a waiver by the Academic Chair for Automotive Technology. Students accepted into the program must be full-time status only. All required courses must be taken in the sequence listed below. Entering students must have completed Mathematics A in high school; students already enrolled in college must have completed MA07 or its equivalent.

<table>
<thead>
<tr>
<th>FIRST SEMESTER: 18.5 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT12: Integrated Automotive Systems</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT14: Starting and Charging Systems</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT16: Specialized Electronics</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT18: Computer Systems and Fuel Delivery</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT20: Practicum I</td>
<td>-</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MA27: Algebra II</td>
<td>0</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td>-</td>
<td>1.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER: 17 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT22: Automotive Heating and Air Conditioning</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT24: Electronic Devices and Processors</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT26: Fuel Injection and Emission Systems</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT30: Practicum II</td>
<td>-</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PH15: Automotive Physics</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER: 16 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT32: Alignment, Steering and Suspension Systems</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT34: Engine Theory and Overhaul</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT36: Automotive Service Productivity and Efficiency</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>AT40: Practicum III</td>
<td>-</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>EK11: Current Economic Issues</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER: 16 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT38: Body Computers and Advanced Systems Diagnosis</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT42: Transmission and Drive Systems Structure and Functions</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>AT46: Automotive Dealership</td>
<td>3</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>AT50: Practicum IV</td>
<td>-</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>* English Elective</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>** Business Elective</td>
<td>3</td>
<td>-</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 67.5**

* Recommended: EG21.
** Recommended: Business Management (BA) course.

These courses constitute the major courses in this curriculum.

**NOTE:** Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

**REQUIRED CREDIT DISTRIBUTION**

<table>
<thead>
<tr>
<th>Automotive Service</th>
<th>43 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6 credits</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 credits</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 credits</td>
</tr>
<tr>
<td>Physics</td>
<td>4 credits</td>
</tr>
<tr>
<td>Business</td>
<td>3 credits</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5 credits</td>
</tr>
</tbody>
</table>
This two-year career program is intended primarily for those students who intend to seek employment directly after its completion. The curriculum provides essential knowledge and skills in the financial, management and marketing facets of business, as well as in the supporting areas of communications and mathematics. Students can pursue their interest in one of seven specialized areas of business (human resources management, management technology, marketing, entrepreneurship, international business, business law and economics) through their choice of business electives.

The curriculum is adaptable to many four-year college degree programs in business, and graduates will find reasonable transfer opportunities available to them should they desire to continue in a baccalaureate degree program.

**FIRST SEMESTER: 17.5 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>AC11: Principles of Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>BA11: Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td><em>Communications Elective</em></td>
<td>3</td>
</tr>
<tr>
<td><strong>BL70: Law for Business</strong></td>
<td>3</td>
</tr>
<tr>
<td>or BL71: Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BU15: College/Workplace Skills Seminar</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER: 17-18 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC12: Principles of Accounting II</td>
<td>3-4</td>
</tr>
<tr>
<td>or AC15: Managerial Accounting</td>
<td></td>
</tr>
<tr>
<td>BA51: Management Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>or BA29: Supervision: Concepts and Practices</td>
<td>3</td>
</tr>
<tr>
<td>BD57: Marketing</td>
<td>3</td>
</tr>
<tr>
<td>†BA22: Computing for Business</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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</tbody>
</table>

**THIRD SEMESTER: 16 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>‡Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Business Elective (BA62, BA53 or BA55)</td>
<td>3-4</td>
</tr>
<tr>
<td>EK22: Microeconomics: Prices and Markets</td>
<td>3</td>
</tr>
<tr>
<td>BA25: Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MA23: Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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</tbody>
</table>

**FOURTH SEMESTER: 15-16 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>§Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>ΔMathematics/Laboratory</td>
<td>3-4</td>
</tr>
<tr>
<td>Science Elective</td>
<td></td>
</tr>
<tr>
<td>BU80: Cooperative Education in Business</td>
<td>3</td>
</tr>
<tr>
<td>or BA70: Issues in Contemporary Business</td>
<td>3</td>
</tr>
<tr>
<td>¥Business Electives (2 courses)</td>
<td>6</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 65.5-67.5**
### BUSINESS ADMINISTRATION / A.S. DEGREE

**Hegis Code - 5004**  
**Ammerman - Eastern - Grant / 207-1**

This two-year program is designed for students interested in business careers who plan to continue their studies toward a baccalaureate degree in business at a four-year college or university after completing their associate degree. The program offers a challenging and well-balanced distribution of business and liberal arts courses, specifically selected to meet the requirements of transfer institutions.

Students who plan to enter employment immediately after graduation (rather than transfer) are advised to select the A.A.S. program in Business Administration, which allows a greater range of courses in applied business areas.

**Admission Procedures and Requirements**

Admission to the A.S. curriculum in Business Administration for entering students requires a minimum 80 average in high school and three years of mathematics (including Mathematics A and B). Applicants desiring this degree who do not have the above qualifications or who are transferring from a different degree program must receive permission from the Business Administration Department or an appropriate business administrator. Students who do not meet the admission criteria may be admitted on a provisional basis.

Students already enrolled in college must have completed MA27. Applications are processed on a rolling basis fall and spring, with most students meeting minimum standards being admitted.

<table>
<thead>
<tr>
<th>FIRST YEAR: 35.5 credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>✷ BU15: College/Workplace</td>
<td></td>
</tr>
<tr>
<td>† Skills Seminar ..........</td>
<td>1.5</td>
</tr>
<tr>
<td>✷ AC11 and AC12: Principles of Accounting I and II</td>
<td>8</td>
</tr>
<tr>
<td>EG11 and EG13: Standard Freshman Composition and Introduction to Literature</td>
<td>6</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication or C015: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>✷ MA36: Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>** Business Elective</td>
<td>3</td>
</tr>
<tr>
<td>** History Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
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</table>

<table>
<thead>
<tr>
<th>SECOND YEAR: 34-35 credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>✷ BA22: Computing for Business</td>
<td></td>
</tr>
<tr>
<td>or CS11: Introduction to Computing</td>
<td>.4</td>
</tr>
<tr>
<td>✷ BA51: Management Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>BD57: Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BL71: Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>✷ BA68: Case Studies in Business Administration</td>
<td>1</td>
</tr>
<tr>
<td>** Business Elective</td>
<td>3</td>
</tr>
<tr>
<td>*** Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>† Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>‡ Mathematics or Laboratory Science Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>MA64: Calculus for Non-Science Majors or MA87: Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>Laboratory Science Elective</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 69.5-70.5**

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* To be selected from BA11, BA25, BA55, BA56, BA58, BA62, BL72, AC51, AC52, AC84.  
** To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90. Strongly recommended: HS11 or HS12.  
*** To be selected from SO11, PC11, HS11, HS12, HS33, HS34, PO20, PO25, AN11, EK55. Students planning to transfer to a SUNY four-year institution are strongly advised to use their social science elective to select a course in either American History, Western Civilization or other world civilizations.  
† To be selected from PL11, PL15, PL23, PL25, EG35, any EG literature course, C015, C021, foreign languages, VA11, VA12, VA17, VA18, MU11, MU16, MU17, TH11, TH21. Students planning to transfer to a SUNY four-year institution are strongly advised to use their humanities elective to select a course in either foreign language or the arts.  
‡ If math elective is chosen, it must be MA23, MA24 or any MA course above MA36. Most students should select MA61 as their mathematics/science elective, as it is the prerequisite for MA64, unless a high school equivalent to MA61 was taken.

These courses constitute the major courses in this curriculum.

NOTES:  
1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for detailed information on selection of elective courses.  
2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.
REQUIRED CREDIT DISTRIBUTION
Business and Accounting ............. 25.5-29.5 credits
Computer Science .................... 0-4 credits
Humanities .......................... 12 credits
Social Sciences ...................... 12 credits
Mathematics/Laboratory Science .... 14-15 credits
Physical Education .................. 2 credits

BUSINESS: INFORMATION PROCESSING / CERTIFICATE PROGRAM

Hegis Code - 5005
Ammerman - Eastern - Grant / 418-1

This curriculum will provide students with the diversified skills necessary for success in the changing office. It stresses increased keyboarding and language skills, introduction of information processing concepts, training in the operation of information processing equipment, and orientation to the techniques of management and supervision for information processing centers.

REQUIRED COURSES

- BU15: College/Workplace Skills Seminar .................. 1.5
- EG11: Standard Freshman Composition .................. 3
- EG33: The Structure of English .................. 3
- IP12: Word .................................... 4
- CS11: Introduction to Computing .................. 4
- * OT29: Keyboarding and Document Preparation II .................. 3
- CS22: Spreadsheets for Windows .................. 3
- ** Business Elective .................. 3
- CO11: Introduction to Human Communication or BA25: Business Communications .................. 3
- BA29: Supervision: Concepts and Practices ... 3
- *** Business Elective .................. 3

TOTAL CREDITS REQUIRED: 33.5

BUSINESS MANAGEMENT / CERTIFICATE PROGRAM

Hegis Code - 5004
Ammerman - Eastern - Grant / 410-1

This program is designed primarily for the individual who currently holds a middle management position in business and who has had little or no college-level education in related subject areas. The program is also useful to those individuals who aspire to managerial positions and wish to acquire some of the essential qualifications through formal study.

REQUIRED COURSES

- BU15: College/Workplace Skills Seminar .................. 1.5
- EG11: Standard Freshman Composition .................. 3
- BA11: Introduction to Business .................. 3
- BA21: Business Mathematics .................. 3
- AC11: Principles of Accounting I .................. 4
- CO11: Introduction to Human Communication .................. 3
- EK11: Current Economic Issues .................. 3
- BD57: Marketing .................. 3
- BA53: Entrepreneurship .................. 3
- BA56: Human Resources Management .................. 3

TOTAL CREDITS REQUIRED: 32.5
BUSINESS: MARKETING / A.A.S. DEGREE

Hegis Code - 5004
Grant / 319-1

The marketing curriculum is planned to prepare students for entry-level employment in marketing-related, promotional and distributive activities. Specialized market research, advertising and salesmanship courses are supplemented by liberal arts and general education courses carefully selected for their applicability to the field of marketing.

FIRST YEAR: 36.5-37.5 credits

- BU15: College/Workplace Skills Seminar ........................................... 1.5
- EG11: Standard Freshman Composition ........................................... 3
- EG35: Advanced Expository Writing ........................................... 3
- AC11: Principles of Accounting I ........................................... 4
- AC12: Principles of Accounting II or AC15: Managerial Accounting ........... 3-4
- BL71 and BL72: Business Law I and II ........................................... 6
- BA11: Introduction to Business ........................................... 3
- BA51: Management Principles and Practices ........................................... 3
- BD57: Marketing ........................................... 3
- Physical Education ........................................... 1

Recommended Electives:
- * Social Science: SO11, PC11, PC66, AN11, HS34
- ** Humanities: CO11, CO12, C015, C027, EG33, EG37, EG55, MU11, PL11, PL14, PL17, VA12
- *** Business: BD63, BA53, BA62, AC15, BD59

- These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

Business and Accounting ........................................... 38.5-42.5 credits
Computer Science ........................................... 3-4 credits
Humanities ........................................... 9-12 credits
Social Sciences ........................................... 9 credits
Mathematics ........................................... 6 credits
Physical Education ........................................... 2 credits

SECOND YEAR: 34-35 credits

- BA25: Business Communications ........................................... 3
- BD70: Advertising ........................................... 3
- BD73: Salesmanship or BD63: Retailing Principles ........................................... 3
- BD58: Cases in Marketing Management ........................................... 3
- BD79: Marketing Research ........................................... 3
- MA23 and MA24: Statistics I and II ........................................... 6
- CO11: Introduction to Human Communication or CO21: Theories of Persuasion ........................................... 3
- CS Elective ........................................... 3-4
- * Social Science Elective (see recommended listing below) ........................................... 3
- ** Elective (see recommended listing below) ........................................... 3
- Physical Education ........................................... 1

TOTAL CREDITS REQUIRED: 70.5-72.5
BUSINESS: OFFICE MANAGEMENT / A.A.S. DEGREE

Hegis Code - 5004
Ammerman - Eastern - Grant / 343-1

This program is designed for students who wish to prepare for careers in office management. Students will study the most modern office technologies, as well as the traditional and necessary basic office skills. Management and other business-related courses are complemented by a strong liberal arts component to prepare students for positions of a managerial or supervisory nature. Although the program is career-oriented, it provides a sound basis for transfer; students should consult with the transfer institution since transfer credit is determined by the four-year college.

FIRST YEAR: 35.5 credits

- BU15: College/Workplace Skills Seminar ........................................... 1.5
- EG11: Standard Freshman Composition ........................................... 3
- EG35: Advanced Expository Writing or EG33: The Structure of English ........................................... 3
- AC11: Principles of Accounting I ........................................... 4
- CO11: Introduction to Human Communication ........................................... 3
- BA22: Computing for Business or CS11: Introduction to Computing ........................................... 4
- Business Electives (2 courses) ........................................... 6
- Economics Elective (choice of EK11, EK21, EK22) ........................................... 3
- Physical Education ........................................... 2
- OT25: Keyboarding and Document Preparation I ........................................... 3
- OT29: Keyboarding and Document Preparation II ........................................... 3

SECOND YEAR: 31-32 credits

- IP12: Word ........................................... 4
- PC11: Introduction to Psychology ........................................... 3
- BA55: Organizational Behavior ........................................... 3
- BL71: Business Law I ........................................... 3
- BA29: Supervision: Concepts and Practices ........................................... 3
- BA52: Office Management ........................................... 3
- SO11: Introduction to Sociology ........................................... 3
- MA23: Statistics I ........................................... 3
- BA25: Business Communications ........................................... 3
- Mathematics/Science Elective ........................................... 3-4

TOTAL CREDITS REQUIRED: 66.5-67.5

NOTE: Not all upper-level courses are currently offered at the Eastern Campus. Eastern Campus business students may be required to complete some courses at the Ammerman Campus.

* Students must have a keyboarding competency level of OT29; a three-credit elective may be substituted for OT25.

** Mathematics/Science course must be chosen from any natural science or any math beyond MA23.

These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

- Business and Accounting ........................................... 36.5 credits
- Computer Science ........................................... 4 credits
- Humanities ........................................... 9 credits
- Social Science ........................................... 9 credits
- Mathematics/Science ........................................... 6-7 credits
- Physical Education ........................................... 2 credits
BUSINESS: RETAIL BUSINESS MANAGEMENT / A.A.S. DEGREE

Hegis Code - 5004
Ammerman / 318-1

This area of business is designed for those who wish to enter the field of retailing. Graduates can pursue positions such as sales executives, department heads, managers, buyers and others. Graduates may transfer to a four-year institution to pursue the baccalaureate degree in business administration or may enter the business world directly upon graduation. The program also serves the needs of people presently in business who wish to engage in continued study.

FIRST SEMESTER: 18.5 credits
- BU15: College/Workplace Skills Seminar .................. 1.5
- EG11: Standard Freshman Composition ........ 3
- AC11: Principles of Accounting I ............... 4
- BA11: Introduction to Business ................. 3
- BD63: Retail Principles .......................... 3
- EK11: Current Economic Issues .............. 3
- Physical Education ............................. 1

SECOND SEMESTER: 16-17 credits
- AC15: Principles of Managerial Accounting or AC12: Principles of Accounting II .................. 3-4
- BA21: Business Mathematics ...................... 3
- BD64: Retail Buying and Merchandising ........ 3
- CO11: Introduction to Human Communication .................. 3
- Physical Education ............................. 1

THIRD SEMESTER: 15-16 credits
- BD68: Retail Store Operations and Administration .................. 3
- BD70: Advertising .................................... 3
- BL71: Business Law I .................. 3
- Social Science Elective .................. 3
- Science or Mathematics Elective .................. 3-4

FOURTH SEMESTER: 14-17 credits
- BD69: Contemporary Issues in Retail Management .................. 3
- Business Elective (any AC, BA, BD, BF, BL, CS, OT or IP course) .................. 2-4
- BD73: Principles of Sales .................. 3
- BL72: Business Law II .................. 3
- Science or Mathematics Elective .................. 3-4

TOTAL CREDITS REQUIRED: 63.5-68.5

- These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Business and Accounting ........ 40.5-43.5 credits
Humanities ........................................... 9 credits
Social Science ......................................... 6 credits
Mathematics/Science .................. 6-8 credits
Physical Education .................. 2 credits
BUSINESS: RETAIL BUSINESS MANAGEMENT / CERTIFICATE PROGRAM

Hegis Code - 5004
Ammerman / 435-1

This certificate program is designed for those seeking a position in the field of retailing, as well as those currently employed in a retailing capacity who may need to acquire specific retailing background and skills.

The certificate concept allows the student to accomplish this goal in the shortest passage of time, while providing the student with employable skills.

FIRST SEMESTER: 16.5 credits

- BU15: College/Workplace Skills Seminar .......................... 1.5
- EG11: Standard Freshman Composition .................... 3
- BA11: Introduction to Business ........................... 3
- BA21: Business Mathematics ............................ 3
- BA25: Business Communications ...................... 3
- BD63: Retail Principles .................................. 3

SECOND SEMESTER: 15 credits

- * Restricted Elective ......................................... 3
- BD60: Retail Internship .................................. 3
- BD64: Retail Buying and Merchandising ............ 3
- BD68: Retail Store Operations and Administration .......... 3
- ** BD Restricted Elective ................................ 3

TOTAL CREDITS REQUIRED: 31.5

* To be selected from EK11, EK21, EK22, EK38 or BD57.
** To be selected from BD57, BD65, BD70 or BD73.

These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

- Business ........................................ 25.5-28.5 credits
- Humanities ........................................ 3 credits
- Social Science ...................................... 0-3 credits

CHEMICAL DEPENDENCY COUNSELING / A.A.S. DEGREE

Hegis Code - 5505
Grant / 388-1

This program prepares students for employment or advancement in the field of chemical dependency counseling. Graduates will have fulfilled all the educational and internship requirements set forth by the New York State Office of Alcohol and Substance Abuse Services (OASAS) and by the International Credentialing Reciprocity Consortium (ICRC) for the Credential in Alcohol and Substance Abuse Counseling (CASAC). In addition to this degree, the individual must complete a work requirement before applying to sit for the credentialing examination.

For professionals in the CDC field who wish to remain current, all CDC courses meet NYS continuing education requirements for recertification.

A letter certifying successful completion of CDC courses is available from the program coordinator for students who do not wish to complete an A.A.S. degree.

Students considering transfer to four-year institutions should consult with those colleges since transfer credit is determined by the four-year college.

Admission Procedures and Requirements

It is the expectation of this program that all students will respect the unique character of the counseling relationship and as such will reflect seriously upon the way abuse of alcohol and mood-altering drugs would likely affect the quality of professional services offered to chemically dependent clients. Prospective students who have an addiction should achieve at least two years of recovery before being admitted to the CDC program. Professional standards of conduct and adherence to the ethical principles outlined by OASAS will be required of all admitted students for continuance in this program.

Applicants are required to meet with the program coordinator prior to admission to the program. Applicants may request provisional admission to the CDC program prior to the admission interview.

Students are admitted fall and spring on a rolling basis. Most students with minimum credentials are accepted. It is recommended that students apply by January 1.
FIRST SEMESTER: 16.5 credits
EG11: Standard Freshman Composition  . . . .3
PC11: Introduction to Psychology  . . . .3
♦ CD11: Chemical Dependency in American Society  . . . .3
HC44: Group Dynamics  . . . .3
MA23: Statistics I  . . . .3
OS15: Freshman Seminar  . . . .1.5

SECOND SEMESTER: 18 credits
* English Elective  . . . .3
PC60: Developmental Psychology or PC80: Abnormal Psychology  . . . .3
SO11: Introduction to Sociology  . . . .3
♦ CD15: Dynamics of Addiction  . . . .3
♦ CD20: Chemically Dependent Family Systems  . . . .3
** Communications Elective  . . . .3

THIRD SEMESTER: 17 credits
SO33: Marriage and the Family  . . . .3
♦ CD25: Criminal Justice System and Chemical Dependency  . . . .3
♦ CD30: Professional Documentation: Data Collection, Assessment, Treatment Planning  . . . .3
♦ CD35: Techniques for Counseling the Chemically Dependent Client  . . . .3
‡ Laboratory Science Elective  . . . .4
Physical Education  . . . .1

FOURTH SEMESTER: 17 credits
♦ CD40: Chemical Dependency Education and Prevention  . . . .3
♦ CD46: Advanced Techniques for Counseling the Chemically Dependent Client  . . . .3
♦ CD50: Habilitation and Rehabilitation of the Chemically Dependent Client  . . . .3
♦ CD55: Field Practicum or CD56: Cooperative Education in Chemical Dependency Counseling  . . . .7
Physical Education  . . . .1

TOTAL CREDITS REQUIRED: 68.5

SEQUENCE OF COURSES: The above model is a two-year course schedule for students meeting all the program requirements and deciding to pursue full-time study. Those students requiring preparatory courses or those deciding to pursue part-time study should consult their faculty advisor for an appropriate sequence of courses. See suggested part-time sequence below.

Suggested Part-time Sequence - Day or Evening (four years)
FIRST SEMESTER: 6 credits
♦ CD11: Chemical Dependency in American Society  . . . .3
EG11: Standard Freshman Composition  . . . .3

SECOND SEMESTER: 9 credits
♦ CD15: Dynamics of Addiction  . . . .3
♦ CD20: Chemically Dependent Family Systems  . . . .3
PC11: Introduction to Sociology  . . . .3

THIRD SEMESTER: 9 credits
♦ CD25: Criminal Justice System and Chemical Dependency  . . . .3
HC44: Group Dynamics  . . . .3
MA23: Statistics I  . . . .3

FOURTH SEMESTER: 9 credits
♦ CD40: Chemical Dependency Education and Prevention  . . . .3
SO11: Introduction to Sociology  . . . .3
** Communications Elective  . . . .3

FIFTH SEMESTER: 9 credits
♦ CD30: Professional Documentation: Data Collection, Assessment, Treatment Planning  . . . .3
PC60: Developmental Psychology or PC80: Abnormal Psychology  . . . .3
SO33: Marriage and the Family  . . . .3

SIXTH SEMESTER: 7 credits
♦ CD50: Habilitation and Rehabilitation of the Chemically Dependent Client  . . . .3
‡ Laboratory Science Elective  . . . .4

SEVENTH SEMESTER: 6 credits
♦ CD35: Techniques for Counseling the Chemically Dependent Client  . . . .3
* English Elective  . . . .3

EIGHTH SEMESTER: 10 credits
♦ CD46: Advanced Techniques for Counseling the Chemically Dependent Client  . . . .3
♦ CD55: Field Practicum or CD56: Cooperative Education in Chemical Dependency Counseling  . . . .7

TOTAL CREDITS REQUIRED: 65

NOTE: CD11 is prerequisite to all CD courses.

* EG35 is recommended.
** CO11, CO12, CO15 or CO23 are highly recommended.
♦ Part-time students should take CD15 after CD11.
‡ Must be taken from biology or chemistry.
♦ These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Chemical Dependency Counseling  . . . .34 credits
Health Careers  . . . .3 credits
Social Science  . . . .12 credits
Mathematics/Science  . . . .7 credits
English  . . . .6 credits
Communications  . . . .3 credits
Freshman Seminar (full-time only)  . . . .1.5 credits
Physical Education (full-time only)  . . . .2 credits
COMMUNICATIONS AND MEDIA ARTS: JOURNALISM / A.A. DEGREE

Hegis Code - 5008
Ammerman / 111-1

This A.A. degree program is designed for students who wish to transfer to a four-year college to pursue careers in journalism, magazine writing, public relations or writing for trade publications.

The curriculum emphasizes a core of journalism courses with a background of liberal arts courses designed for transfer. The student will be trained in the basic principles and practices of journalism and will be given an opportunity to write for and participate in the production of the student newspaper.

The program contains a selection of liberal arts courses – social science, humanities, math and science – to gain a wide range of knowledge useful in writing for newspapers and magazines. The program contains the opportunity for practical journalistic experience, preparing students for eventual employment on newspapers, magazines or in public relation agencies.

The journalism curriculum gives students a basic background in the field in preparation for selecting journalism as a major at a four-year college or university. Students should check with the coordinator of the CMA-Journalism program for transfer information, articulation agreements with four-year colleges, and information about employment opportunities in the field.

FIRST SEMESTER: 17.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>JN25: Introduction to Journalism</td>
<td>3</td>
</tr>
<tr>
<td>EG55: Mass Media</td>
<td></td>
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<tr>
<td>HS11: Western Civilization I or ID11: Civilization: The Human Experience I</td>
<td>3</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication or CO15: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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SECOND SEMESTER: 16-17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>JN26: Intermediate News and Feature Writing</td>
<td>3</td>
</tr>
<tr>
<td>SO11: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>HS12: Western Civilization II or ID12: Civilization: The Human Experience II</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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</table>

THIRD SEMESTER: 16 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JN28: Magazine Writing and Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>JN30: Contemporary Non-Fiction Journalism</td>
<td>3</td>
</tr>
<tr>
<td>JN31: Journalism Practicum</td>
<td>3</td>
</tr>
<tr>
<td>RT11: Introduction to Broadcasting or RT12: Issues in Broadcasting</td>
<td>3</td>
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<tr>
<td>Laboratory Science Elective</td>
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FOURTH SEMESTER: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>JN29: Investigative Reporting</td>
<td>3</td>
</tr>
<tr>
<td>BD70: Advertising</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Unrestricted Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 64.5-65.5

* EG11 is a corequisite of JN25 and should be taken at the same time.
** JN26 and JN29 are offered only in the spring semester.
† Students may choose any college-level math course they are qualified to take. MA21, MA22 and MA23 are recommended.
‡ JN28 is offered only in the fall semester.
◊ To be selected from the following courses: AN11, AN20, AN21, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90, PO40.
§ Any humanities course other than English.
* These courses constitute the major courses in this curriculum.

NOTES: 1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.
2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English</td>
<td>9</td>
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<tr>
<td>Journalism</td>
<td>18</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Social Science</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>7-8</td>
</tr>
<tr>
<td>Business</td>
<td>3</td>
</tr>
<tr>
<td>Radio and Television Production</td>
<td>3</td>
</tr>
<tr>
<td>Unrestricted</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>
Recent and rapid advances in computing have broadly expanded the opportunities for image-making in the fine arts. The Computer Art curriculum builds upon traditional studio skills developed in foundation drawing and design courses and branches into electronically based media such as drawing and painting software, 3D modeling, animation, electronic imaging, digital video, and multimedia production. This curriculum prepares students for careers in computer-generated image-making art, information and entertainment fields, as well as for transfer into baccalaureate fine art programs.

FIRST SEMESTER: 17.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>or EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>VA17: Art History I</td>
<td>3</td>
</tr>
<tr>
<td>or VA18: Art History II</td>
<td>3</td>
</tr>
<tr>
<td>VA30: 2D Design</td>
<td>3</td>
</tr>
<tr>
<td>GR31: Introduction to Computer-based Design</td>
<td>3</td>
</tr>
<tr>
<td>VA33: Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
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</table>

SECOND SEMESTER: 16-17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>VA34: Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>VA91: Introduction to Silver-Based Photography</td>
<td>3</td>
</tr>
<tr>
<td>CA44 Color Theory and Electronic Application</td>
<td>2</td>
</tr>
<tr>
<td>CA60 3D Modeling and Design</td>
<td>2</td>
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<tr>
<td>Portfolio Review I</td>
<td>0</td>
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THIRD SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HM51: Developing Creative Imagination in the Arts</td>
<td>3</td>
</tr>
<tr>
<td>History Elective</td>
<td>3</td>
</tr>
<tr>
<td>CS12: Introduction to Programming Using Visual Basic</td>
<td>4</td>
</tr>
<tr>
<td>VA96: Electronic Imaging</td>
<td>3</td>
</tr>
<tr>
<td>CA45: Interactive Digital Media</td>
<td>3</td>
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<tr>
<td>Physical Education</td>
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</table>

FOURTH SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>VA35: Life Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>VA19: Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Science Elective</td>
<td>4</td>
</tr>
<tr>
<td>CA46: Electronic Media Production</td>
<td>3</td>
</tr>
<tr>
<td>CA80: Portfolio Preparation and Assessment</td>
<td>1</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 67.5-68.5

These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Computer Art</td>
<td>11</td>
</tr>
<tr>
<td>Graphic Design/Visual Arts</td>
<td>27</td>
</tr>
<tr>
<td>Humanities</td>
<td>9</td>
</tr>
<tr>
<td>Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>7-8</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>
COMPUTER SCIENCE / A.S. DEGREE

Hegis Code - 5101
Ammerman / 203-1

This curriculum builds a solid theoretical and mathematical foundation needed to pursue advanced studies in computer and information sciences. The program is designed for students who intend to continue their studies at a four-year college. Students may explore such topics as programming, computer architecture, operating systems, analysis and development of data structures, algorithms, and computational methods. This is supported by relevant science, mathematics and general education courses. Electives, which should be chosen in consultation with computer science faculty advisors, provide students the opportunity to plan programs that meet their needs.

Computer scientists work in a wide variety of special areas. Some students also use computer science as a basis for other careers, such as medicine and law.

Admission Procedures and Requirements

For entering students, minimum requirements for admission are a 75 high school average, Mathematics A and B or equivalent and two years of high school science or college equivalents. Students already enrolled in college must have completed MA61 or equivalent with a C or higher and have an overall grade point average of at least 2.5. Students are admitted on a rolling basis, fall and spring. Note that students who do not meet the minimum admissions criteria may be admitted on a provisional basis.

NOTES: (1) Students planning on transferring to SUNY at Stony Brook for computer science must apply for joint admission prior to the completion of 24 college credits. Contact the Admissions Office for an application. (2) Constant technological changes require curricula updates that may not appear in the catalog. Please refer to the college Web site for the most recent information.

FIRST SEMESTER: 16.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>CS12: Principles of Computing</td>
<td></td>
</tr>
<tr>
<td>Using Java I</td>
<td>4</td>
</tr>
<tr>
<td>CS17: Computer Organization and</td>
<td></td>
</tr>
<tr>
<td>Assembly Language Programming</td>
<td>4</td>
</tr>
<tr>
<td>*History Elective</td>
<td>3</td>
</tr>
<tr>
<td>**MA88: Calculus with Analytic Geometry I</td>
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SECOND SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>CS16: Principles of Computing</td>
<td></td>
</tr>
<tr>
<td>Using Java I</td>
<td>4</td>
</tr>
<tr>
<td>CS26: Advanced Programming and</td>
<td></td>
</tr>
<tr>
<td>Problem Solving with Java</td>
<td>4</td>
</tr>
<tr>
<td>†Laboratory Science Elective</td>
<td>4</td>
</tr>
<tr>
<td>**MA92: Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>**Physical Education</td>
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THIRD SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS18: Computer Architecture</td>
<td>4</td>
</tr>
<tr>
<td>CS26: Advanced Programming and</td>
<td></td>
</tr>
<tr>
<td>Problem Solving with Java</td>
<td>4</td>
</tr>
<tr>
<td>†Laboratory Science Elective</td>
<td>4</td>
</tr>
<tr>
<td>**MA92: Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>**Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

FOURTH SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS60: Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>**Mathematics or</td>
<td></td>
</tr>
<tr>
<td>Computer Science/Information Technology Restricted Elective</td>
<td>4</td>
</tr>
<tr>
<td>§Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>†Laboratory Science Elective</td>
<td>4</td>
</tr>
<tr>
<td>†Humanities Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 69.5

* To be selected from HS11, HS12, HS33, HS34, HS51, HS57, HS90.
** MA89 strongly recommended.
† At least one humanities elective must be chosen from the arts (visual arts, music, theatre) or foreign language. Students planning to transfer to a SUNY four-year institution are advised to select a course in both areas.
‡ Recommended: PH71/72 and PH73/74.
§ Students planning to transfer to a SUNY four-year institution are strongly advised to choose their social science elective either American history (if they have already taken Western civilization) or non-Western culture. The American history requirement can be met by HS33 or HS34 or PO25; the non-Western culture requirement can be met by AN11, AN20, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90 or PO40.

These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science/Information Technology</td>
<td>24-28 credits</td>
</tr>
<tr>
<td>English</td>
<td>6 credits</td>
</tr>
<tr>
<td>Humanities</td>
<td>6 credits</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 credits</td>
</tr>
<tr>
<td>Mathematics</td>
<td>12-16 credits</td>
</tr>
<tr>
<td>Science</td>
<td>8 credits</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2 credits</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5 credits</td>
</tr>
</tbody>
</table>
# CRIMINAL JUSTICE / A.S. DEGREE

**Hegis Code - 5505**  
**Ammerman - Eastern - Grant / 211-1**

The Criminal Justice A.S. degree program is designed to provide students with a challenging course of study that is consistent with the academic expectations of four-year colleges and universities and with the rigorous requirements of today’s job market in the field of law enforcement. At the same time, it has sufficient flexibility to allow students to tailor the curriculum to fit their needs and to achieve their career objectives.

### Admission Procedures and Requirements

Entering students must have a minimum high school average of 75. Students already enrolled in college must have completed 12 credits with a 2.5 GPA, including a minimum grade of C+ in EG 11 and CJ 11. Students are admitted on a rolling basis with most students meeting minimum standards being accepted.

### REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminal Justice</td>
<td>24</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Social Science</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3-4</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td><strong>Computer Information Systems/Computer Science</strong></td>
<td>3-4</td>
</tr>
<tr>
<td>Communications</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Electives</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>TOTAL CREDITS:</td>
<td><strong>66.5-67.5</strong></td>
</tr>
</tbody>
</table>

* MA23 strongly recommended.  
** This elective should have a global perspective or focus on non-western cultures. The course should be selected from the following: AN11, AN20, AN21, AN31, AN55, GY15, GY16, GY17, HS51, HS57, HS90, PO40, EG60 or PL18.

These courses constitute the major courses in this curriculum.

**NOTE:** Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

### FIRST SEMESTER: 17.5-18.5 credits **Credits**

- OS15: Freshman Seminar .......................... 1.5  
- EG11: Standard Freshman Composition .......... 3  
- CJ11: Introduction to Criminal Justice ........ 3  
- CJ31: Substantive Criminal Law ................. 3  
- CS11: Introduction to Computing ............... 4  
- * Mathematics Elective .......................... 3-4  

### SECOND SEMESTER: 17 credits

- EG13: Introduction to Literature .............. 3  
- CJ15: Policing: An Introduction to Law  
  Enforcement ....................................... 3  
- CJ35: Evidence and Procedural Law ............. 3  
- PC11: Introduction to Psychology .............. 3  
- Laboratory Science Elective .................... 4  
- Physical Education .............................. 1  

### THIRD SEMESTER: 16 credits

- SO11: Introduction to Sociology ............... 3  
- CO12: Interpersonal Communication ............. 3  
- CJ41: Introduction to Corrections ............. 3  
- ** Criminal Justice Elective .................. 3  
- Humanities Elective ............................ 3  
- Physical Education .............................. 1  

### FOURTH SEMESTER: 16 credits

- ** Criminal Justice Elective .................. 3  
- ** Criminal Justice Elective .................. 3  
- ** CJ99: Criminal Justice Capstone Course .1  
- ** Restricted Elective .......................... 3  
  
- HS34: Modern American History  
  or HS33: Foundations of American  
  History ......................................... 3  
- PO20: State and Local Politics  
  and Government  
  or PO25: American National  
  Politics and Government ....................... 3
CRIMINAL JUSTICE: POLICE ADMINISTRATION/ CERTIFICATE PROGRAM

Suffolk County Police Academy at Suffolk County Community College
Hegis Code - 5505
Grant / 431-1

This certificate is OPEN ONLY TO TRAINEES OF THE SUFFOLK COUNTY POLICE ACADEMY AT SUFFOLK COUNTY COMMUNITY COLLEGE. The college will award college credit based on the State University of New York Guide to Educational Programs in Non-Collegiate Organizations for work undertaken at the academy. Upon completion, students will receive a Police Administration Certificate and may opt to continue their education by enrolling in the A.S. degree program in Criminal Justice.

REQUIRED COURSES: 35.5 credits

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>OS15: Freshman Seminar</td>
</tr>
<tr>
<td>3</td>
<td>EG11: Standard Freshman Composition</td>
</tr>
<tr>
<td>3</td>
<td>PD11: The Administration of Criminal Justice</td>
</tr>
<tr>
<td>3</td>
<td>PD13: Physical Education and Defensive Tactics</td>
</tr>
<tr>
<td>3</td>
<td>PD15: Patrol Functions and Procedures</td>
</tr>
<tr>
<td>3</td>
<td>PD21: Criminal Investigations</td>
</tr>
<tr>
<td>3</td>
<td>PD22: First Aid–CPR</td>
</tr>
<tr>
<td>6</td>
<td>PD31: Criminal Law and Procedure</td>
</tr>
<tr>
<td>3</td>
<td>PD55: Community Relations for Police</td>
</tr>
<tr>
<td>3</td>
<td>PD91: Criminal Justice Internship</td>
</tr>
<tr>
<td>1</td>
<td>OT24: Basic Keyboarding</td>
</tr>
</tbody>
</table>

These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3 credits</td>
</tr>
<tr>
<td>Police Administration</td>
<td>30 credits</td>
</tr>
<tr>
<td>Office Technologies</td>
<td>1 credit</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5 credits</td>
</tr>
<tr>
<td>English</td>
<td>3 credits</td>
</tr>
<tr>
<td>Interpersonal Communication</td>
<td>3 credits</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3 credits</td>
</tr>
<tr>
<td>Psychology</td>
<td>3 credits</td>
</tr>
<tr>
<td>Sociology</td>
<td>3 credits</td>
</tr>
<tr>
<td>American History</td>
<td>3 credits</td>
</tr>
<tr>
<td>State and Local Politics and Government</td>
<td>3 credits</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3-4 credits</td>
</tr>
<tr>
<td>Laboratory Science Elective</td>
<td>4 credits</td>
</tr>
<tr>
<td>Introduction to Computing</td>
<td>4 credits</td>
</tr>
</tbody>
</table>

35.5 credits completed at the academy
35-36 credits completed at the college

TOTAL CREDITS: 70.5-71.5
## CULINARY ARTS / A.A.S. DEGREE

**Hegis Code - 5404**  
**Eastern / 394-1**

The Culinary Arts degree is designed for students with a career interest in both culinary and food service management. The program is divided among career-specific courses, business courses and liberal arts courses.

The food service profession is an exciting and demanding one, from intimate fine-dining restaurants and quick-service chain restaurants to institutional and worldwide food service corporations. This curriculum will prepare students to enter this workforce or continue their education by transferring to bachelor degree programs.

Students will receive specialized instruction in baking and pastry arts along with intensive introduction to international cuisine. To supplement their skill development, students will participate in a 200-hour internship program.

### FIRST SEMESTER: 16.5 credits  
**Credits**
- OS15: Freshman Seminar ............... 1.5
- EG11: Standard Freshman Composition ... 3
- ** CU11: Sanitation ........................ 3
- ** CU14: Culinary Arts I .................. 5
- AC11: Principles of Accounting I ....... 4

### SECOND SEMESTER: 16-17 credits
- EG13: Introduction to Literature ........ 3
- ** CU12: Hospitality Cost Controls .......... 4
- ** CU13: Wine and Beverage Management ... 3
- Mathematics Elective ...................... 3-4
- PC11: Introduction to Psychology ......... 3

### SUMMER SEMESTER: 4 credits
- *** CU29: Internship/Co-op ............... 4

### THIRD SEMESTER: 18 credits
- ** CU15: Baking and Pastry Arts I ........ 4
- ** CU16: Dining Room Management ....... 3
- CH19: General Chemistry .................. 4
- BA29: Supervision: Concepts and Practices ........................................... 3
- Foreign Language .......................... 3
- Physical Education ....................... 1

### FOURTH SEMESTER: 15 credits
- Social Science Elective .................... 3
- ** CU23: Hospitality Marketing ............. 3
- † Baking and Pastry Arts Special Projects
  - ** CU18: Cake Decorating ............... 0.5
  - ** CU19: Chocolate and Pulled Sugar Artistry ........................................ 0.5
  - ** CU20: Specialty Bread Making ........ 0.5
  - ** CU21 Desserts for Presentation ...... 0.5
- ‡ Culinary Arts Special Projects
  - ** CU24: American Regional Cuisine Artistry ........................................ 1
  - ** CU25: Savory French Cuisine ........ 1
  - ** CU26: Exotic Asian Cuisine .......... 1
  - ** CU27: Mediterranean Cuisine ......... 1
- §‡ CU30: Culinary Arts Seminar ........... 2
- Physical Education ........................ 1

**TOTAL CREDITS: 69.5-70.5**

* CU11: Sanitation is a prerequisite or corequisite for all baking and cooking courses.
** Prerequisite: AC11.
*** Prerequisites: CU11, CU12, CU13 and CU14.
† Prerequisite: CU15.
‡ Prerequisite: CU14.
§ Prerequisites: CU12, CU13, CU14, CU15 and CU16.
* These courses constitute the major courses in this curriculum.

### REQUIRED CREDIT DISTRIBUTION
- Culinary Arts .................................. 36 credits
- English/Humanities .......................... 9 credits
- Business ...................................... 7 credits
- Mathematics/Science ....................... 7-8 credits
- Social Science ................................ 6 credits
- Freshman Seminar ............................ 1.5 credits
- Physical Education ........................... 2 credits
## DIETETIC TECHNICIAN / A.A.S. DEGREE

**Hegis Code - 5404**  
**Eastern / 320-1**

This curriculum is accredited by the Commission on Accreditation/Approval for Dietetics Education (CAADE) of the American Dietetic Association. CAADE is a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education. The program of study prepares individuals wishing to work as support personnel for dietitians in both clinical and administrative settings. Courses in the physical and social sciences supplement the specialized Dietetic Technician courses. Field experience assignments require that students travel to a wide variety of hospitals and community agencies throughout Suffolk County. All students enrolled in the Dietetic Technician program, both full- and part-time, must meet college health requirements as well as the requirements for food service workers employed in health care facilities. Students are required to take the FM courses in sequence and must earn a grade of C or better in each FM course. Those who intend to transfer to a four-year college should seek advisement from the program director. All students, both full- and part-time, are required to purchase accident insurance and professional liability insurance under the college’s policy.

### FIRST SEMESTER: 16.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Field</th>
<th>Clinical</th>
<th>Work Per</th>
<th>Hrs Per</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>FM20: Introduction to Nutrition for Dietetic Practitioners</td>
<td>3</td>
<td>4</td>
<td>–</td>
<td>–</td>
<td>4</td>
</tr>
<tr>
<td>BY17: Survey of the Human Body</td>
<td>2</td>
<td>–</td>
<td>–</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
<td>–</td>
<td>–</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### SECOND SEMESTER: 18-19 credits

- **English Elective** 3  
- **FM24: Introduction to Clinical Nutrition** 3  
- **FM26: Nutrition through the Life Cycle** 3  
- **CH19: General Chemistry** 3  
- **MA23: Statistics I** 3  
  or  
- **MA27: Algebra II** 4

### THIRD SEMESTER: 17 credits

- **FM28: Introduction to Food Service** 3  
- **FM40: Advanced Clinical Nutrition** 3  
- **BA29: Supervision: Concepts and Practices** 3  
- **PC11: Introduction to Psychology** 3  
- **Physical Education** 2

### FOURTH SEMESTER: 16 credits

- **FM30: Dietetics Seminar** 2
- **FM42: Food Service Management** 3
- **FM43: Food Service Management Fieldwork** 1
- **SO11: Introduction to Sociology** 3

### TOTAL CREDITS REQUIRED 67.5-68.5

### REQUIRED CREDIT DISTRIBUTION

- Nutrition/Dietetics 35 credits
- English 6 credits
- Mathematics/Science 11-12 credits
- Business 3 credits
- Social Science 6 credits
- Humanities 3 credits
- Freshman Seminar 1.5 credits
- Physical Education 2 credits
Early Childhood Education / A.A.S. Degree

Hegis Code – 5503
Ammerman – Eastern – Grant / 330-1

This curriculum is designed for people who are now working or wish to work with young children. Graduates will be qualified for positions as directors, head teachers or assistants in day care centers, nursery schools and Head Start programs. Graduates are also qualified to be assistants in public and private pre-kindergartens, kindergartens, elementary schools and special education classes. Students who wish to transfer to a four-year college to pursue their New York State teacher certification should be able to transfer most liberal arts credits and some early childhood credits depending on the transfer institution. Students are responsible for checking with transfer institutions of their choice to assure the most successful transfer. Classroom instruction is supplemented by observations and practicums in programs serving young children.

The Early Childhood Education program offers courses both day and evening. Students should check both day and evening schedules at each campus for courses offered each semester.

Students who have enrolled as Early Childhood Education majors must achieve a minimum grade of C in each Early Childhood Education course in order to continue in the Early Childhood Education program and to qualify for graduation. Students will be permitted to repeat a course only once.

Admission Procedures and Requirements

ED11, ED22 and ED23 are open to all students and can be taken as electives. Students enrolled in ED11 during the spring must also take ED22 (in place of HC11 if they attend full-time) or they will not be able to complete the Early Childhood Education sequence within the specified time.

Admission to the program is limited to the number of field placements available. Practicum courses require that students travel to a wide variety of early childhood programs throughout Suffolk County. Students cannot be employed by the program at which they are placed and must be available during the day.

<table>
<thead>
<tr>
<th>FIRST SEMESTER: 17.5 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td>1.5</td>
<td>3</td>
</tr>
<tr>
<td>EG 11: Standard Freshman</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Composition</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>** ED11: Foundations of Early Childhood Education</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PC11: Introduction to</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CO11: Introduction to Human</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Communication or PC15: Public Speaking</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>** HC11: Health Concepts or HC22: Safety, First Aid</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>and CPR</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
<td>1</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER: 16 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
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<tbody>
<tr>
<td>English Elective</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>** ED22: Early Childhood</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Activities</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PC64: Child and Adolescent</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>** ED25: Creative Activities: Art</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SO11: Introduction to</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Physical Education           2 1

<table>
<thead>
<tr>
<th>THIRD SEMESTER: 15-16 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UD33: Instructing the Young Child</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>** ED35: Creative Activities: Music</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HC44: Group Dynamics</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Science or Mathematics</td>
<td></td>
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<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3-4</td>
<td>0-3</td>
<td>3-4</td>
</tr>
</tbody>
</table>
† Elective (1 course)         | 3    |     | 3   |

<table>
<thead>
<tr>
<th>FOURTH SEMESTER: 16-17 credits</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UD44: The Child and His/Her World</td>
<td>6</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>** ED45: Creative Activities: Literature</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SO33: Marriage and the Family</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Science or Mathematics</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective (1 course)</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
† Elective (1 course)          | 3    |     | 3   |

TOTAL CREDITS REQUIRED: 64.5-66.5

continued on next page
This one-year program is intended for students who wish to begin a career in computer-assisted drafting and design, update their existing professional skills or continue on to earn an A.A.S. degree in Construction Technology/Architectural Technology. Emphasis is on CAD drawing for architecture, construction, design illustration and presentation.

The rapid expansion of computer graphics is creating many new and exciting career opportunities. Graduates will be prepared for entry-level positions with architectural offices, construction and engineering firms, communications and manufacturing companies and government agencies. The program can also serve as a foundation for further studies in related fields such as animation, game design, technical illustration, product design and multimedia communication.

Admission Procedures and Requirements

* Students in the Liberal Arts and Sciences: General Studies Curriculum may use these courses as unrestricted electives.
** HC11 should be taken by students intending to transfer.
*** Concurrent enrollment in or completion of ED25, ED35 or ED45 is recommended.
† Students intending to work in day care centers or child care facilities should take ED23: Infants and Toddlers: Programs and Care, and PC63: The Exceptional Child as their unrestricted electives. Interested students will be placed in appropriate programs to fulfill fieldwork requirements. Transfer students seeking New York State certification should speak with their advisor about appropriate electives.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Childhood Education</td>
<td>22</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Social Science</td>
<td>12</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Health Careers</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>6-8</td>
</tr>
<tr>
<td>Unrestricted Electives</td>
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</tr>
<tr>
<td>Freshman Seminar</td>
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</tr>
<tr>
<td>Physical Education</td>
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</tbody>
</table>

ENGINEERING AND TECHNOLOGY: COMPUTER-ASSISTED DRAFTING (CAD) / CERTIFICATE PROGRAM

Hegis Code - 5303
Ammerman / 402-1

This one-year program is intended for students who wish to begin a career in computer-assisted drafting and design, update their existing professional skills or continue on to earn an A.A.S. degree in Construction Technology/Architectural Technology. Emphasis is on CAD drawing for architecture, construction, design illustration and presentation.

The rapid expansion of computer graphics is creating many new and exciting career opportunities. Graduates will be prepared for entry-level positions with architectural offices, construction and engineering firms, communications and manufacturing companies and government agencies. The program can also serve as a foundation for further studies in related fields such as animation, game design, technical illustration, product design and multimedia communication.

Admission Procedures and Requirements

* Students not qualifying for MA27 may be admitted to the program while taking developmental mathematics.

FIRST SEMESTER (fall)*: 17.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Composition</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DR11: Mechanical Drafting</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>DR14: AutoCAD I</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>MA27: Algebra II</td>
<td>4</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td></td>
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</tr>
</tbody>
</table>

SECOND SEMESTER (spring): 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR17: Architectural Drafting:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>DR18: Architectural Drafting:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Presentations</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>DR19: Architectural Drafting:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structural</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>DR20: AutoCAD II</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>DR51: Introduction to 3D Modeling, Rendering and Animation</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 32.5
ENGINEERING AND TECHNOLOGY: CONSTRUCTION TECHNOLOGY - ARCHITECTURAL TECHNOLOGY / A.A.S. DEGREE

Hegis Code - 5304
Ammerson / 334-1

This career program is designed for students interested in training for technician-level positions with architecture, construction and engineering firms. The program places emphasis on architecture and structures to prepare students for positions such as architectural drafters, estimators, energy auditors, materials testers and construction supervisors.

The curriculum is also adaptable for transfer to many four-year colleges offering a B.S. in Architectural Technology or Construction Engineering Technology. Potential transfer students should consult with the department to decide their selection of courses.

Admission Procedures and Requirements

This program is offered as a four-semester sequence starting every fall; however, by consulting with the department, students can be admitted for the spring semester into a track consisting of five or more semesters.

Students not qualifying for MA61 may be admitted to the program while taking MA27; however, they must complete MA61 and MA62 to continue and graduate. Students not qualified for MA27 may enroll for an extra semester of developmental mathematics along with DR11, DR14 and other introductory courses.

FIRST SEMESTER (fall)**: 18.5 credits

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
</tr>
<tr>
<td>CT10: Surveying I</td>
</tr>
<tr>
<td>CT14: Construction Methods</td>
</tr>
<tr>
<td>MA61: Fundamentals of Precalculus I</td>
</tr>
<tr>
<td>DR11: Mechanical Drafting</td>
</tr>
<tr>
<td>DR14: AutoCad I</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
</tbody>
</table>

SECOND SEMESTER (spring): 19 credits

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG11: Standard Freshman Composition</td>
</tr>
<tr>
<td>CT22: Site Planning</td>
</tr>
<tr>
<td>CT66: Statics</td>
</tr>
<tr>
<td>MA62: Fundamentals of Precalculus II</td>
</tr>
<tr>
<td>DR17: Architectural Drafting: Residential</td>
</tr>
<tr>
<td>DR51: Introduction to 3D Modeling, Rendering and Animation</td>
</tr>
<tr>
<td>PH53: College Physics I</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
</tbody>
</table>

FOURTH SEMESTER (spring): 18 credits

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities Elective</td>
</tr>
<tr>
<td>Social Science Elective</td>
</tr>
<tr>
<td>English Elective</td>
</tr>
<tr>
<td>CT43: Codes and Contracts</td>
</tr>
<tr>
<td>CT46: Structural Steel and Reinforced Concrete Design</td>
</tr>
<tr>
<td>DR19: Architectural Drafting: Structural</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 72.5

* Students intending to pursue a 4- or 5-year bachelor's degree in architecture or architectural technology are advised to select VA33 or VA60 as their humanities elective.

** Students who matriculate in January may require more than four semesters to complete the program.

These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

- Technology ...................... 45 credits
- English .......................... 6 credits
- Humanities ...................... 3 credits
- Social Science .................... 3 credits
- Mathematics ..................... 8 credits
- Physics .......................... 4 credits
- Freshman Seminar .............. 1.5 credits
- Physical Education ............. 2 credits
This program is designed for students who wish to study for technical careers in electronics and related fields. Students are prepared for careers in industry or business as electronic technicians or engineer assistants, or they may adapt their degree for transfer to baccalaureate degree programs.

Emphasis is placed on classroom study and laboratory training in electricity, electronics, microcontrollers, telecommunications and networking. The technical subjects are supplemented with courses in English, mathematics, physics and communication.

Students entering industry or business can find careers as production or lab technicians, engineer assistants, or field-service representatives in the area of communications, computers, control and measurement, medical electronics, consumer and office equipment, and other electronics-related fields.

Students planning to transfer to four-year colleges should consult with the department for their selection of courses. Typical programs to which the A.A.S. degree transfers include the Bachelor of Electrical Technology (B.E.T.) and the Bachelor of Science in Engineering Technology (B.S.E.T.).

Admission Procedures and Requirements

For placement for the FIRST SEMESTER, entering students must have completed Mathematics A and B in high school and qualify for MA61; students who enter at the MA27 level can start in the program but must complete the MA61 and MA62 sequence to graduate.

FIRST SEMESTER: 18.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td>–</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Composition</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* TE12: Electricity I</td>
<td>2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>* TE13: Digital Electronics I</td>
<td>2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>* TE15: Technical Problem</td>
<td>–</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Solving</td>
<td>–</td>
<td></td>
<td></td>
</tr>
<tr>
<td>* MA61: Fundamentals of</td>
<td>–</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Precalculus I</td>
<td>4</td>
<td>–</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education Elective</td>
<td>–</td>
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</table>

SECOND SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* TE21 Electronic Applications of Mathematics</td>
<td>2</td>
<td>–</td>
<td>2</td>
</tr>
<tr>
<td>* TE22: Electronics I</td>
<td>2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>* TE24: Electricity II</td>
<td>2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>* TE27: Electrical Construction</td>
<td>2</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>* TE28: Digital Electronics II</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>* MA62: Fundamentals of</td>
<td>–</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Precalculus II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education Elective</td>
<td>–</td>
<td>2</td>
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</table>

THIRD SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* TE31: Electricity III</td>
<td>4</td>
<td>–</td>
<td>4</td>
</tr>
<tr>
<td>* TE36: Electronics II</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>* TE38: Digital Electronics III</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>* PH53: College Physics I</td>
<td>2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication</td>
<td>–</td>
<td>3</td>
<td>3</td>
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</tbody>
</table>

FOURTH SEMESTER: 19 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>** English Elective</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>–</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>* TE41: Analogue Communications</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>* TE42: Data Communications</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>* TE43: Advanced Electronics</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>* TE51: CISCO Computer</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Networking I</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 72.5

* Students intending to transfer to baccalaureate programs are advised to take MA87 and possibly PH54 before transferring. Transfer students should check with the department for advisement.

** Recommended: EG21.

* These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Technology</td>
<td>44</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>12</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 72.5
**ENGINEERING AND TECHNOLOGY: TELECOMMUNICATIONS TECHNOLOGY / A.A.S. DEGREE**

Hegis Code - 5310  
Amerman / 371-1

**NOTE:** This curriculum is restricted to qualified VERIZON employees. Consult with the department for more information.

The Telecommunications Technology program is designed for students who wish to study for or enhance technical careers in the field of electronic telecommunications. Students are prepared for careers in industry or business to work as telecommunication technicians, or they may adapt their degree to transfer to baccalaureate degree programs.

In this program, emphasis is placed on competency-based training, problem solving skills, applications and simulations to develop a multi-faceted industry-ready technician. Training is offered in voice and data telecommunications, linear and digital electronics, and computer applications, supplemented with courses in English, mathematics, physics and social science. All technical courses are offered at the Amerman Campus only.

*Students entering industry or business* can find careers as electronic telecommunication technicians in the telephone, cable and broadcast communications field.

*Students planning to transfer* to four-year colleges should consult with the department for their selection of courses. Typical programs to which the A.A.S. degree transfers include the Bachelor of Electrical Technology (B.E.T.) and the Bachelor of Telecommunication Technology.

**Admission Procedures and Requirements**

This curriculum is offered as an eight-semester day sequence. Qualified employees are admitted based on the successful completion of the ASSET test administered through the campus Department of Engineering, Science and Technology.

<table>
<thead>
<tr>
<th><strong>FIRST YEAR/FALL:</strong> 7 credits</th>
<th><strong>Lab.</strong></th>
<th><strong>Cr.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MA41: Technical Mathematics I .4</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>TT15: Computer Applications in Telecommunications ........2</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>FIRST YEAR/SPRING:</strong> 7 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT12: Electrical Circuits ........3</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition ........3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SECOND YEAR/FALL:</strong> 8 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA42: Technical Mathematics II .4</td>
</tr>
<tr>
<td>TT22: Electronics I ........3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SECOND YEAR/SPRING:</strong> 8 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT20: Telecommunications I: Voice ........3</td>
</tr>
<tr>
<td>TT24: Digital Electronics I ........3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>THIRD YEAR/FALL:</strong> 8 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH24: Technical Physics I ........3</td>
</tr>
<tr>
<td>TT32: Electronics II ........3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>THIRD YEAR/SPRING:</strong> 8 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT30: Telecommunications II: Data ........3</td>
</tr>
<tr>
<td>TT34: Digital Electronics II ........3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>FOURTH YEAR/FALL:</strong> 7 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT40: Telecommunications III: Local Area Networks ........3</td>
</tr>
<tr>
<td>EG21: Technical Writing ........3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>FOURTH YEAR/SPRING:</strong> 7 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT42: Telecommunications IV: Emerging Technologies ........3</td>
</tr>
<tr>
<td>Social Science Elective ........3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED:** 60

These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**

- Telecommunications Technology ........ 39 credits
- Mathematics/Science .................... 12 credits
- English ................................ 6 credits
- Social Science ......................... 3 credits
ENGINEERING SCIENCE / A.S. DEGREE

Hegis Code - 5609
Ammerman / 201-1

This program provides the fundamental scientific and technical preparation for students who plan to continue their studies toward a baccalaureate degree in computer engineering, electrical engineering, mechanical engineering and general engineering science at a four-year institution. Students completing this program will be awarded the Associate in Science degree. Graduates not electing to continue professional study will nevertheless be prepared for employment in industrial and scientific organizations as engineering aides, research assistants or in similar positions. Those seeking a degree in mechanical, civil or other engineering must contact the department for course substitution and scheduling of courses specific to their area of study.

Admission Procedures and Requirements

Entering students need to have completed four years of high school math and chemistry, with physics recommended, and must have a high school average of 80. Students already enrolled in college must have completed MA62. Students are admitted on a rolling basis, fall and spring; however, students admitted in January should be aware that elective courses may be offered only once a year. Most students who meet minimum standards are accepted. Students who do not meet the admission criteria may be admitted on a provisional basis.

Those accepted into this program may be eligible for a full two-year scholarship. For more information contact the department or go to http://www.sunysuffolk.edu/Web/csems.

FIRST SEMESTER: 18.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Rec.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MA87: Calculus with Analytic Geometry I</td>
<td>5</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CH33: College Chemistry I</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>EN12: Introduction to Electronic Design</td>
<td>1</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>* History Elective</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>* Physical Education</td>
<td></td>
<td></td>
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</tbody>
</table>

SECOND SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Rec.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MA88: Calculus with Analytic Geometry II</td>
<td>5</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CH34: College Chemistry II</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>PH71: Physics I</td>
<td>2</td>
<td></td>
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</tr>
<tr>
<td>PH72: Physics I Lab</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>* EN17: Engineering Computation</td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

THIRD SEMESTER: 19 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Rec.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* EN31: Digital Systems</td>
<td></td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>* EN32: Deterministic Signals and Systems</td>
<td></td>
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<td>3</td>
</tr>
<tr>
<td>* EN33: Electrical Engineering</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MA90: Differential Equations</td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PH73: Physics II</td>
<td>2</td>
<td></td>
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</tr>
<tr>
<td>PH74: Physics II Lab</td>
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</tbody>
</table>

FOURTH SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Rec.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN41: Electronics Lab</td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>EN42: Electronic Circuit Design</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>EN43: Random Signals and Systems</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MA89: Calculus with Analytic Geometry III</td>
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</tr>
<tr>
<td>PH75: Physics III</td>
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</tr>
<tr>
<td>PH76: Physics III Lab</td>
<td></td>
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</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 72.5

* To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90.
* These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>25</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>16</td>
</tr>
<tr>
<td>Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Physics</td>
<td>12</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>
This curriculum provides a professional education in fire protection technology for those persons interested in pursuing employment in fire protection agencies as well as preparation for persons planning to work in industrial safety or inspection. The individual fire science courses prepare students with the insight and knowledge for varied careers in fire service.

Students can earn a certificate upon successfully completing the fire science courses (curriculum code 401-1). An Associate of Applied Science (A.A.S.) degree is awarded upon completion of the courses indicated below.

Most career fire departments require either completion of certificate courses and/or the degree program for promotion inside the department.

This program can be finished in two years by attending full-time or can be completed on a part-time basis as well. Except for FS24 and FS72, any fire science course can be taken in any semester. The following is an example of a course sequence but is not a required sequence. Students should consult the department for guidance.

**FIRST SEMESTER: 15-16 credits**
- FS11: Introduction to Fire Protection ........3
- EG11: Standard Freshman Composition ........3
- SO11: Introduction to Sociology .............3
- Mathematics Elective ...........................3-4

**SECOND SEMESTER: 16 credits**
- FS24: Hazardous Materials II ...............3
- FS31: Building Construction and Facilities .......3
- FS40: Fire Protection Hydraulics .............3
- CH19: General Chemistry ......................4
- Humanities Elective .............................3

**THIRD SEMESTER: 15-16 credits**
- FS48: Fire Service Management and Leadership ....3
- FS49: Strategies and Tactics ..................3
- FS71: Industrial Safety Engineering I ..........3
- English Elective ..................................3
- Unrestricted Elective ............................3-4

**FOURTH SEMESTER: 16 credits**
- FS50: Arson and Fire Investigation ...........3
- FS72: Industrial Safety Engineering II .........3
- HC28: Crash Victim Extrication ...............3
- * Political Science Elective ....................3
- Laboratory Science Elective ....................4

**TOTAL CREDITS REQUIRED: 62-64**

* Recommended: PO20: State and Local Politics and Government.

These courses constitute the major courses in this curriculum.
FITNESS SPECIALIST / A.S. DEGREE

Hegis Code - 5299.30
Ammerman / 210-1

The Fitness Specialist curriculum is a two-year program leading to an Associate in Science (A.S.) degree. Upon completion of the Fitness Specialist Program, graduates will be prepared to:

- transfer to four-year colleges in such areas as exercise physiology, physical education, sports medicine, athletic training, sport management, cardiac rehabilitation and other health-related fields. Students considering transfer to a baccalaureate degree program should consult with the program coordinator as well as advisors at the transfer institution, since transfer credit is determined by the transfer institution. Several articulation agreements are already in place to facilitate transferability.

- obtain employment as fitness instructors, personal trainers, and owners or managers of facilities serving fitness and wellness programs.

- sit for the American College of Sports Medicine, Health/Fitness Instructor Certification Exam.

The Fitness Specialist Program at Suffolk County Community College integrates the principles of exercise physiology, kinesiology, nutrition, anatomy, leadership, conditioning concepts and psychology. Students apply their knowledge and skills to enhance health, fitness, sport performance and the overall quality of life for the general population in commercial, community (schools), clinical and workplace (corporate) settings. In addition, the Fitness Specialist Program is committed to promoting wellness within the college community.

The program is available for full- or part-time enrollment. However, the fitness specialist courses MUST be taken in sequence and are offered primarily in the day schedule. All students are encouraged to discuss course selections with the program coordinator.

Admission Procedures and Requirements

Students are admitted on a space-available basis in consultation with the Admissions Office. It is suggested that application be made in a timely manner. To be considered for admission, entering students must have completed high school biology (Regents) and Mathematics A. High school chemistry is strongly recommended. Those who do not fulfill this chemistry requirement should consult the program coordinator for an alternative course selection. Strong communication skills and an interview through the Admissions Office are required. Spring semester applicants are accepted on a seat-available basis. They should have successfully completed BY30: Anatomy and Physiology I and they should consult the program coordinator.

**FIRST SEMESTER: 15.5 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td>–</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>BY30: Anatomy and Physiology I</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* PF12: Nutrition and Human Performance</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* Physical Education</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**SECOND SEMESTER: 16 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>HC22: Safety, First Aid and CPR</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>BY32: Anatomy and Physiology II</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>* PF15: Exercise Leadership and Concepts of Aerobic Conditioning</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* Physical Education</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**THIRD SEMESTER: 16-17 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* PF16: Exercise Leadership and Concepts of Muscle Conditioning</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* PF20: Fitness Assessment and Screening</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* PF23: Kinesiology</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>** Mathematics Elective</td>
<td>3-4</td>
<td>–</td>
<td>3-4</td>
</tr>
<tr>
<td>** Humanities Elective</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
</tbody>
</table>

**FOURTH SEMESTER: 18-19 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* PF25: Injury Prevention and Management</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* PF32: Overview of Fitness and Facility Management</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>* PF40: Fieldwork in Fitness</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>** Liberal Arts and Sciences Elective</td>
<td>3</td>
<td>–</td>
<td>3-4</td>
</tr>
<tr>
<td>** Unrestricted Elective</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>** History Elective</td>
<td>3</td>
<td>–</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 65.5-67.5

** To be selected in consultation with program coordinator.

*** To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90.

* These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Fitness Specialist</td>
<td>21</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
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<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Social Science</td>
<td>9</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>11-12</td>
</tr>
<tr>
<td>Liberal Arts and Sciences</td>
<td>3-4</td>
</tr>
<tr>
<td>Health Careers</td>
<td>3</td>
</tr>
<tr>
<td>Unrestricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>
**GRAPHIC DESIGN / A.A.S. DEGREE**

**Hegis Code - 5012**
**Eastern / 365-1**

The Graphic Design curriculum links an intensive art program with courses in the liberal arts to prepare students for positions in the field of graphic design. A graphic designer is a problem solver who integrates typography and images to create a visual communication in such areas as advertising, editorial and corporate design, and computer publishing. Although career preparation is an important goal of this program, it also provides a solid foundation in graphic design which can be transferred to many four-year colleges.

The four-semester sequence starting every fall requires that acceptance into the graphic design curriculum is for FALL admission only. However, students may consult with the department for spring courses, but will be on a track consisting of five or more semesters due to core course prerequisites.

Students matriculated in the Graphic Design curriculum must achieve a minimum grade of C in each Graphic Design/Visual Arts core course in order to continue on to the next course in the Graphic Design sequence and to qualify for graduation.

<table>
<thead>
<tr>
<th>FIRST SEMESTER: 17.5-18.5 credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>.1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>.3</td>
</tr>
<tr>
<td>VA30: 2D Design</td>
<td>.3</td>
</tr>
<tr>
<td>GR24: Basic Graphic Design</td>
<td>.3</td>
</tr>
<tr>
<td>GR31: Introduction to Computer-based Design</td>
<td>.3</td>
</tr>
<tr>
<td>Math Elective</td>
<td>.3-4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER: 18 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Business Elective (restricted)</td>
</tr>
<tr>
<td>** HM51: Developing Creative Imagination in the Arts or EG13: Introduction to Literature</td>
</tr>
<tr>
<td>VA33: Drawing I</td>
</tr>
<tr>
<td>VA91: Introduction to Silver-Based Photography</td>
</tr>
<tr>
<td>GR20: History of Graphic Design</td>
</tr>
<tr>
<td>GR25: Typographic Design</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER: 17 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO11: Introduction to Human Communication</td>
</tr>
<tr>
<td>VA19: Modern Art</td>
</tr>
<tr>
<td>VA34: Drawing II</td>
</tr>
<tr>
<td>or VA96: Electronic Imaging</td>
</tr>
<tr>
<td>GR26: Print Media I</td>
</tr>
<tr>
<td>GR28: Interactive Production</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER: 17 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Science Elective</td>
</tr>
<tr>
<td>†† VA18: Art History II</td>
</tr>
<tr>
<td>†† or VA35: Life Drawing I</td>
</tr>
<tr>
<td>†† or VA80: Cooperative Education in Photography and Graphic Design</td>
</tr>
<tr>
<td>GR27: Print Media II</td>
</tr>
<tr>
<td>GR29: Interactive Media Presentations</td>
</tr>
<tr>
<td>GR36: Graphic Design Portfolio</td>
</tr>
<tr>
<td>Preparation and Assessment</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
<tr>
<td>Social Science Elective</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 69.5-70.5**

* To be selected from BD57, BD70 or BA53.
** EG13: Introduction to Literature is recommended for students who are transferring to a four-year institution.

† These courses constitute the major courses in this curriculum.
†† Students intending to continue on for a baccalaureate degree are advised to take VA18 or VA35; students planning to enter the job market upon graduation should select VA80. Permission of instructor is required before registering for VA80.

NOTE: Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

**REQUIRED CREDIT DISTRIBUTION**

| Graphic Design                      | 23 credits |
| Visual Arts                         | 18 credits |
| Humanities                           | 9 credits |
| Business                             | 3 credits |
| Social Science                       | 6 credits |
| Mathematics/Science                  | 7-8 credits |
| Freshman Seminar                     | 1.5 credits |
| Physical Education                   | 2 credits |
HEALTH INFORMATION TECHNOLOGY /
MEDICAL RECORDS / A.A.S. DEGREE

Hegis Code - 5213
Grant / 349-1

This program will educate persons for employment in the health information/medical records field. The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in cooperation with the Council on Accreditation of the American Health Information Management Association. Upon completion of the program, students will be eligible to apply to take the national qualifying examination for certification as a Registered Health Information Technician.

Health information specialists set up systems and processes that ensure the availability of health information which facilitates health care delivery and aids all health care providers with health-related decision making. Health information specialists find employment opportunities in health care settings such as hospitals, nursing homes, clinics, group and individual medical practices, managed care organizations and correctional facilities, as well as in other settings such as attorneys’ offices, pharmaceutical and medical research firms, public agencies, insurers monitoring care provided to their clients, consulting firms, health data organizations and information systems vendors.

The curriculum combines general and technical education with career development and clinical experience. In addition to courses in liberal arts and sciences, the program provides two semesters of fieldwork. Students will gain an understanding of the increased computerization of medical records and how this knowledge will prepare them for crucial leadership roles in health data and health information resources management. Students will be prepared for roles in data analyst, medical records coder, reimbursement, performance improvement and supervision.

Students must achieve a minimum passing grade of C in each Health Information Technology course in order to continue on to the next course in the sequence and to qualify for graduation with a Health Information Technology major. Students are permitted to repeat only one Health Information Technology (HI) course.

Admission Procedures and Requirements

Entering students must have successfully completed high school Mathematics A, chemistry with laboratory, and have a high school average of 80 or better. Students already enrolled in college must have MA07 and CH19 or their equivalents, and must be eligible to take EG11. Students may be provisionally accepted, pending successful completion of MA07 and CH19 or their equivalents. It is recommended that students apply by January 1.

FIRST SEMESTER: 10 credits

- HI14: Introduction to Health Information .....3
- BY30: Anatomy and Physiology I .....4
- MD11: Medical Terminology .....3

SECOND SEMESTER: 11 credits

- HI16: Health Information: Data Content and Structure .....3
- BY32: Anatomy and Physiology II .....4
- CS11: Introduction to Computing .....4

SUMMER SESSION: 6 credits

- EG11: Standard Freshman Composition .....3
- Social Science Elective .....3

THIRD SEMESTER: 9 credits

- HI18: Legal Aspects of Health Information .....3
- HI20: Study of Disease .....3
- MA23: Statistics I .....3

FOURTH SEMESTER: 8 credits

- HI25: Health Information Statistics .....3
- HI27: Directed Clinical Practice I .....2
- HI35: Coding and Classification Systems .....3

SUMMER SESSION: 3 credits

- PC11: Introduction to Psychology .....3

continued on next page
HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION (HVAC/R) / A.A.S. DEGREE

Hegis Code — 5317
Grant / 395-1

The Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) associate degree program prepares students for rewarding and challenging positions in the ever-changing and growing HVAC/R industry. This A.A.S. degree program provides students with a well-rounded education in HVAC/R technology that includes a thorough understanding and working knowledge of the theory and practical applications necessary for superior systems operation. As new technologies are developed and incorporated in the manufacture and upgrading of equipment, the need for skilled and dedicated technicians continues to expand. According to Bureau of Labor statistics, the employment needs for this area are expected to outpace the average employment needs for other service-based industries.

By combining comprehensive, career-based courses such as system design, diagnostics, servicing and controls with real-life, hands-on training through internships and intensive laboratory sessions, the HVAC/R curriculum—teamed with a grounding in the liberal arts—provides students with the credentials and experience needed to obtain immediate employment upon successfully completing the program.

The HVAC/R degree program is a part-time evening and weekend program that can be completed in seven semesters. The program begins only in the fall semester of even-numbered years. Prior to matriculation, however, students may take some courses that would apply to the program.

Admission Procedures and Requirements

Requirements for admission include high school graduation or the successful completion of a General Education Diploma (GED) program and the completion of high school Mathematics A or an algebra course equivalent to the college’s MA07 Algebra I course. Students requiring developmental courses must successfully complete them prior to being matriculated.

The HVAC/R program is a restricted program and admission is competitive. Meeting minimum criteria does not guarantee acceptance into the program. The college reserves the right to make final decisions based upon the applicant pools.

**FIRST SEMESTER: 9.5 credits**
- OS15: Freshman Seminar ..................... 1.5
- EG11: Standard Freshman Composition ...... 3
- HV14: Refrigeration and Air Conditioning Systems ..................... 5

**SECOND SEMESTER: 11 credits**
- HV13: Computer Applications in Technology ......................... 4
- MA41: Technical Mathematics I ............... 4
- EG21: Technical Writing ..................... 3

**THIRD SEMESTER: 9 credits**
- HV16: Heating Systems ...................... 5
- PH24: Technical Physics ..................... 4

**FIFTH SEMESTER: 8 credits**
- HV18: HVAC/R Commercial Systems ........... 5
- CO12: Interpersonal Communication ........... 3

**SIXTH SEMESTER: 10-11 credits**
- HV20: HVAC/R System Design ............... 4
- Social Science Elective ..................... 3
- Accounting or Business Elective ............ 3-4

**FOURTH SEMESTER: 9 credits**
- HV17: HVAC/R Control Systems ............ 4
- HV19: HVAC/R Diagnostics and Servicing ... 5

**FIFTH SEMESTER: 9 credits**
- HI22: Quality Improvement ................. 3
- HI36: Advanced Coding/CPT and
  Reimbursement Methodologies ............ 3
- English Elective ......................... 3

**TOTAL CREDITS REQUIRED: 64**

These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**
- Health Information Technology ............ 31 credits
- English ........................................ 6 credits
- Humanities .................................... 3 credits
- Science ......................................... 8 credits
- Mathematics .................................. 3 credits
- Social Science ................................ 6 credits
- Computer Information Systems ............ 4 credits
- Medical Assisting ......................... 3 credits
SEVENTH SEMESTER: 9 credits
- HV30: HVAC/R Internship ...................... 3
- Social Science Elective ...................... 3
- Liberal Arts Elective ....................... 3

TOTAL CREDITS REQUIRED: 65.5-66.5
- These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
HVAC/R ........................................ 35 credits
Mathematics/Science ....................... 8 credits
English ...................................... 6 credits
Communication ............................ 3 credits
Social Science ............................. 6 credits
Liberal Arts ................................ 3 credits
Business .................................... 3-4 credits
Freshman Seminar ....................... 1.5 credits

HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION (HVAC/R) / CERTIFICATE PROGRAM

Hegis Code — 5317
Grant / 441-1

The Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) certificate program is a part-time program designed for individuals who wish to secure employment in the HVAC/R industry as well as for those who are currently employed or seeking to re-enter the workforce. This certificate program gives students the opportunity to complete their course work in a shorter period of time than the degree program, while enabling them to obtain the skills that are fast becoming requirements for employment in an ever-changing industry. Students wishing to pursue the A.A.S. degree in HVAC/R can apply credits earned in the certificate program toward the associate's degree.

The HVAC/R certificate program is a part-time evening and weekend program that can be completed in four semesters. The program begins only in the fall semester of even-numbered years.

Admission Procedures and Requirements

Requirements for admission include high school graduation or the successful completion of a General Education Diploma (GED) program and the completion of high school Mathematics A or an algebra course equivalent to the college's MA07 Algebra I course. Students requiring developmental courses must successfully complete them prior to being matriculated.

FIRST SEMESTER: 8 credits
EG11: Standard Freshman Composition ...... 3
HV14: Refrigeration and Air Conditioning Systems ................... 5

SECOND SEMESTER: 11 credits
HV13: Computer Applications in Technology ...................... 4
MA41: Technical Mathematics I .............. 4
EG21: Technical Writing .................... 3

THIRD SEMESTER: 8 credits
HV16: Heating Systems ...................... 5
CO12: Interpersonal Communication ......... 3

FOURTH SEMESTER: 9 credits
HV17: Control Systems ...................... 4
HV19: Diagnostics and Servicing ............. 5

TOTAL CREDITS REQUIRED: 36

REQUIRED CREDIT DISTRIBUTION
HVAC/R ........................................ 23 credits
English ...................................... 6 credits
Communication ............................ 3 credits
Mathematics ................................ 4 credits
HELP DESK I AND II / CERTIFICATES

Hegis Code – 5104
Ammerman - Eastern - Grant / 438, 439

Both the Help Desk I and Help Desk II certificate programs are designed to prepare students for entry-level information technology positions. These programs target students who have just completed high school and are seeking short-term training for immediate employment, adults entering the workforce for the first time, adults re-entering the workforce, and adults seeking retraining. Upon completion of this program, students will be able to attain positions such as help desk specialist, microcomputer specialist, microcomputer user specialist, end-user specialist, software trainer, microcomputer technician, microcomputer sales representative, and administrative support professional. Even though a student may choose to seek employment after completing Help Desk I, it is highly recommended that students upgrade their certificate to Help Desk II.

The curriculum is designed to include essential elements from industry-specific certification examinations such as MOUS (Microsoft Office User Specialist) and Comptia A+ Certification. Course work includes operating systems (which will include material on user/resource management, security, printing, system monitoring, backup and system troubleshooting), word processing, spreadsheets, business communications (which will include materials on presentation graphics, scheduling and e-mail), project management and integration, administrative office procedures and Web publishing. Throughout the course work, students learn essential skills such as customer/client relations, analytical problem-solving, working on teams and decision-making. The course work also includes mandatory on-campus internships.

Note: Constant technological changes require curricula updates that may not appear in the catalog. Please refer to the college Web site for the most recent information.

HELP DESK I / 438

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT24: Basic Keyboarding</td>
<td>1</td>
</tr>
<tr>
<td>BA25: Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CS22: Spreadsheets for Windows</td>
<td>4</td>
</tr>
<tr>
<td>TE50: Workings of a PC</td>
<td>3</td>
</tr>
<tr>
<td>IP12: Word</td>
<td>4</td>
</tr>
<tr>
<td>CS81: Help Desk I Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 18

* Students with one semester of typing or 20 wpm keyboarding proficiency may request a waiver.

REQUIRED CREDIT DISTRIBUTION
Computer Science 14 credits
Business 4 credits

HELP DESK II / 439

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA12: Management of Information Technology</td>
<td>4</td>
</tr>
<tr>
<td>CS24: Presentation Graphics and Web Publishing</td>
<td>4</td>
</tr>
<tr>
<td>CS28: Installing, Configuring and Administering Microsoft® Windows® XP Professional</td>
<td>4</td>
</tr>
<tr>
<td>CS33: Relational Database Applications and Concepts</td>
<td>4</td>
</tr>
<tr>
<td>CS82: Help Desk II Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 19

REQUIRED CREDIT DISTRIBUTION
Computer Science 15 credits
Business 4 credits
HONORS PROGRAM

Ammerman — Eastern - Grant

The Honors Program is not a curriculum in and of itself. Rather, it is an enrichment program for academically talented and highly motivated students designed to augment and complement a student’s program of study.

Eligibility requirements and application procedures are outlined on page 75 of this catalog.

There are three levels of participation in SCCC’s Honors Program, as described in the sections which follow.

Diploma Sequence

Qualified students may enroll in the Honors Program Diploma Sequence while engaged in a curriculum of their choice. A minimum of sixteen credits in interdisciplinary honors courses and six credits in enhanced honors courses satisfies the diverse requirements for the Honors Program Diploma Sequence. Honors enhanced course requirements are most often met by substituting honors-level sections for regular courses or by completing an individualized contract.

This option is most suitable for students enrolled in the various Liberal Arts and Sciences A.A. curricula and some A.S. curricula. Students who wish to complete the Honors Program Diploma Sequence must include the following among their curriculum requirements/electives:

Four Interdisciplinary Honors courses:
- One Humanities
  (e.g., HM77: The Great Romance)
- One Social Science
  (e.g., SC49: American Dreams)
- One Mathematics or Science
  (e.g., MA28: History of Math)
- One additional course

plus

Two Enhanced Honors courses. It is strongly recommended that one of the supplementary courses be EG11H or EG35H. In addition, students can choose from a variety of courses including honors interdisciplinary courses. In certain limited circumstances a student may, at the discretion of the Honors Program committee, be given permission to substitute two enhanced courses for an interdisciplinary course. Permission is usually granted only when a student needs to meet the admission requirements of a highly restrictive program of study at a four-year institution.

Graduates who complete the Honors Program Diploma Sequence will have that distinction noted on their official academic transcript and on their diploma.

Recognition Sequence

Alternatively, qualified students may enroll in the Honors Program Recognition Sequence as part of their chosen curriculum. The Recognition Sequence is usually accomplished by successfully completing a minimum of twelve credits of interdisciplinary honors courses or eight credits of interdisciplinary courses and six credits of enhanced courses.

This option is most suitable for students in most A.A., A.S. and A.A.S. curricula. Students who wish to complete the Honors Program Recognition Sequence must include the following among their curriculum requirements/electives:

Two Interdisciplinary Honors Courses
chosen from
- Humanities
- Social Science
- Mathematics or Science

plus

Two Enhanced Honors courses. It is strongly recommended that one of the enhanced courses be EG11H or EG35H. In addition, students can choose from a variety of courses including honors interdisciplinary courses.

or

One additional Interdisciplinary Honors course (in place of the two enhanced honors courses).

Graduates who complete the Honors Program Recognition Sequence will have that distinction noted on their official academic transcript and on their diploma.

Individual Honors Courses

Individual honors courses are open to qualified students on a space-available basis. These courses are chosen in consultation with the student’s academic advisor and must bear a demonstrable intellectual relationship to the student’s curriculum. They may consist of honors-level sections of regular courses (e.g., EG11H, MA23H or SO33H), honors contracts between instructor and student done with regular courses, independent study projects, internships, or alternate versions of the honors courses.

Honors course offerings differ from campus to campus, but on each campus the pro-
gram centers around four interdisciplinary honors courses in humanities, social science, mathematics/sciences and an elective. Each of these courses examines major historical events, cultural developments and turning points, and the status of its subject in the broader evaluation of society. The classroom experience is one that challenges both students and faculty.

**Graduation Requirements**

Students enrolled in the Honors Program are expected to maintain a grade point average of at least 3.2 each semester. If a student receives a grade lower than B in an honors course, his/her participation in the Honors Program is subject to review. Students must maintain a 3.2 GPA to graduate from the Honors Program.

**SCCC Alumna Profile**

**Sandra M. Torres, M.D., Class of 1997**  
**Emergency Medicine Physician**

When she was in her mid-twenties, employed in banking and the mother of two small children, Sandra Torres decided to change careers and try medicine. To gain experience in patient care, she joined the local volunteer ambulance corps in Central Islip and discovered she had a knack and passion for it.

Next Sandra enrolled at SCCC’s Grant Campus—with full scholarship funding—and graduated in 1997. Then it was on to C.W. Post for a bachelor’s degree. Again she won full scholarship tuition, this time in an admissions essay contest. At Post she was chapter president of Beta Beta Beta and graduated as valedictorian of the Class of 2000. Four years later she graduated from the Albert Einstein College of Medicine (AECOM), where she won the Dean’s Award, New York City Community Service Fellowship and National Medical Fellowship Award. Sandra also served on AECOM’s CPPH committee in the Division of Education, which is charged with seeing that the curriculum meets the demands of changes in society.

Among Sandra’s various research activities during medical school, the most interesting to her were studies which focused on identifying depression and HIV in inner city emergency departments (EDs). “That’s where health care is happening for the underserved who don’t have access to primary care,” she says. Her research on depression proved that it is typically under-diagnosed in EDs and that depressed patients who rely on the ED for their primary care are often undertreated. In another of Sandra’s projects, she helped to develop an educational video that provided pre-test HIV counseling to patients in the ED when HIV counselors were unavailable.

Now doing her residency in Emergency Medicine at North Shore University Hospital in Manhasset, Sandra looks back on her education at SCCC as an excellent starting point. She was especially impressed with a Western Civilization course she took with Professor Gail Hanson. “Dr. Hanson set high standards for the weekly essays she assigned. It was because of that course I won the C.W. Post scholarship contest and eventually became a doctor.”
HORTICULTURE / A.A.S. DEGREE

Hegis Code - 5402
Eastern / 367-1

This curriculum provides students with a general foundation in ornamental horticulture during the first year with the second year providing a broad-based approach combining the growing of horticultural crops along with design and training in horticultural management. Students are presented with a combination of classroom instruction and practical experience in the art and science of ornamental horticulture. The program is designed to prepare students for employment in the horticulture industry or for possible transfer to colleges offering four-year degrees in horticulture.

FIRST SEMESTER: 17.5 credits
OS15: Freshman Seminar ....................... 1.5
EG11: Standard Freshman Composition ........ 3
• HO11: Introduction to Horticulture ........... 3
• HO17: The Horticulture Industry .......... 3
• HO21: Soil Technology .................. 3
• BY21: Botany ................................ 4
SECOND SEMESTER: 17 credits
• HO41: Plant Protection .................. 3
• HO45: Plant Identification ................. 4
• English Elective ........................... 3
• Social Science Elective .................... 3
• Humanities Elective ....................... 3
• Physical Education ....................... 1
THIRD SEMESTER: 16-18 credits
• HO55: Landscape Design I .............. 3
• HO47: Annuals and Perennials .......... 3
• HO50: Horticultural Crops I .......... 3
• Business Administration (BA) or
  Computer Science (CS) Elective ........ 3-4
• Mathematics/Science Elective .......... 3-4
• Physical Education ....................... 1
FOURTH SEMESTER: 18 credits
• HO34: Plant Propagation ................. 3
• HO51: Horticultural Crops II .......... 3
• HO54: Horticultural Management ....... 3
• HO56: Landscape Design II ............ 3
• HO91: Horticulture Internship/
  Cooperative Education ................. 3
• Social Science Elective ................... 3
TOTAL CREDITS REQUIRED: 68.5-70.5
• These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Horticulture ................................ 40 credits
English ....................................... 6 credits
Humanities .................................... 3 credits
Mathematics/Science ....................... 7-8 credits
Business/Computer Science ............. 3-4 credits
Social Science ................................ 6 credits
Freshman Seminar ......................... 1.5 credits
Physical Education ......................... 2 credits

HORTICULTURE / CERTIFICATE PROGRAM

Hegis Code - 5402
Eastern / 414-1

This curriculum is designed to provide students with the basic knowledge and skills required for positions as horticultural technicians in local plant nurseries and greenhouses. Graduates also are able to enter two-year or four-year programs for further education in related fields of agriculture or business.

FIRST SEMESTER: 17.5 credits
OS15: Freshman Seminar ....................... 1.5
EG11: Standard Freshman Composition ........ 3
• HO11: Introduction to Horticulture ........... 3
• HO17: The Horticulture Industry .......... 3
• HO21: Soil Technology .................. 3
• BY21: Botany ................................ 4
SECOND SEMESTER: 16-18 credits
• HO41: Plant Protection .................. 3
• HO45: Plant Identification ................. 4
• Business Administration (BA) or
  Computer Science (CS) Elective ........ 3-4
• Unrestricted Elective ..................... 3-4
• English Elective ........................... 3
• These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Horticulture ................................ 16 credits
English ....................................... 6 credits
Science ....................................... 4 credits
Business/Computer Science ............. 3-4 credits
Freshman Seminar ......................... 1.5 credits
Unrestricted Elective ....................... 3-4 credits
TOTAL CREDITS: 33.5-35.5
HUMAN SERVICES / A.S. DEGREE

Hegis Code - 5501
Ammerman / 212-1

This curriculum provides opportunities for students seeking transfer to bachelor degree programs in social work, counseling or human services as well as for students seeking employment in the human services upon graduation. Human services is a broadly defined, multidimensional helping profession that assists individuals, families and groups to meet challenges in their ability to cope during life transitions, crisis, and when under stress. Human service professionals are employed in a variety of fields including mental health, health, developmental disabilities, child welfare, corrections, services to youth, the elderly and to those who are homeless or poverty stricken. It is an eclectic field requiring a strong liberal arts background with an emphasis on the social behavioral sciences as well as courses providing a foundation in the history, methods, theory and helping skills of the human service professions. Courses in the curriculum have a strong theoretical tie to the social work profession and include a two-semester practicum providing students a supervised field work experience in a local human service agency.

Students seeking to transfer to a bachelor degree program are advised to consult the intended transfer institution to ensure a successful transfer. The program has agreements with SUNY at Stony Brook, Adelphi University and Molloy College which facilitate the acceptance of all credits to their bachelor degrees in social work.

Curriculum-specific courses are offered only on the Ammerman Campus. Other courses may be completed at any of the college’s campuses. SS11: Introduction to Social Welfare is open to all students. The final three program courses (SS22, SS23 and SS30) are offered only during the day. Other courses are offered both day and evening.

Students must achieve a minimum passing grade of C in each Human Services (SS) course in order to continue to the next course in the Human Services Program and to qualify for graduation.

Admission Procedures and Requirements

Entering students should have an 80 high school average. Students already enrolled in college should have completed 12 college-level credits with a 2.8 GPA including EG11 and PC11 with grades of C+ or better. All applicants must have satisfactorily completed all required developmental reading and writing courses. Strong communication skills and appropriate volunteer experience are preferred for all applicants. An interview is required. Students are admitted fall and spring. Most students who are admitted meet more than the minimum standards. A May 1st filing deadline is recommended for fall admission.

**FIRST SEMESTER: 17.5 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SO11: Introduction to Sociology</td>
<td>3</td>
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<tr>
<td>Humanities Elective</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SS11: Introduction to Social Welfare</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Physical Education</td>
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<td>1</td>
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</tbody>
</table>

**SECOND SEMESTER: 17 credits**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
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<tr>
<td>HC44: Group Dynamics</td>
<td>3</td>
<td></td>
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<tr>
<td>PC60: Developmental</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>BY14: Principles of Biology</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>SS12: Interviewing in Social Work Practice</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<td>1</td>
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</tbody>
</table>

**THIRD SEMESTER: 17-18 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3</td>
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<tr>
<td>SS22: Human Services Seminar and Field Practicum I</td>
<td>3</td>
<td>8</td>
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</tr>
<tr>
<td>SS30: Theory and Methods of Helping in the Human Services</td>
<td>3</td>
<td></td>
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<tr>
<td>Humanities Elective</td>
<td>3</td>
<td></td>
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</tbody>
</table>

**FOURTH SEMESTER: 15 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Cr.</th>
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</thead>
<tbody>
<tr>
<td>History Elective</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SS23: Human Services Seminar and Field Practicum II</td>
<td>3</td>
<td></td>
<td>12  6</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 66.5-67.5**

* To be selected from VA12, VA17, VA18, VA19, MU11, MU16, MU17, MU23, MU24 or TH11.
** PO25 or PO20 required for BSW candidates.
*** MA23 recommended for BSW candidates.
† To be selected from any HM, PL or Foreign Language course.
‡ To be selected from HS34 (required for BSW candidates), HS11, HS12, HS20, HS22, ID11 or ID12.
§ to be selected from AN11, AN20, AN21, GY15, GY16, HS51, HS57, HS90 or PO40.
△ SO33, PC80 or HC21 recommended. Students wishing to meet the maximum SUNY General Education requirements should select HS11, HS12, HS20, HS22, ID11 or ID12 if not chosen in History Elective above.
• These courses constitute the major courses in this curriculum.
NOTES: 1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog
‡‡ Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information on selection of elective courses. 2) Consult the Unified Transfer Programs chart on for information about transferring to four-year colleges/universities to continue study in this or a related field.

REQUIRED CREDIT DISTRIBUTION
Human Services ........................................ 20 credits
English/Humanities .................................... 12 credits
Social Science .......................................... 15 credits
Mathematics/Science .................................. 7-8 credits
Health Careers ......................................... 3
Electives .................................................. 6
Freshman Seminar ..................................... 1.5 credits
Physical Education .................................... 2 credits

INFORMATION TECHNOLOGY / A.A.S. DEGREE

Hegis Code - 5104
Ammerman - Eastern - Grant / 392

This program prepares students for challenging and rewarding careers in one of the following three fields: Network Design and Administration, Computer Information Systems, and Internet/Web Development. Depending on the program track, Information Technology majors are taught various aspects of the management of information technology such as performance measurement, program development, disaster recovery, security, business analysis, top-down design of systems, and writing of technical documents. The concept of teamwork may be reinforced through the assignment of group projects in various courses. Overall, the curriculum is designed to teach technology as well as to develop technological decision-making skills required by a successful information technology professional.

Admission Procedures and Requirements

Entering students must have a minimum high school average of 75. Students already enrolled in college must have an overall grade point average of at least 2.5. Applicants to the program should note that high school algebra is essential to program success; further, MA27 (Algebra II) with a minimum grade of C or its equivalent is required prior to enrollment in most programming and advanced computing classes. Students are admitted on a rolling basis, fall and spring.

Note: Constant technological changes require curricular updates that may not appear in the catalog. Please refer to the college Web site for the most recent information.

NETWORK DESIGN AND ADMINISTRATION
OPTION / 392-1

FIRST SEMESTER: 17.5 credits Credits
OS15: Freshman Seminar ......................... 1.5
EG11: Standard Freshman Composition ........3
• CS12: Introduction to Programming
  Using Visual Basic ................................. 4
• CS13: Introduction to Information Technology ........................................ 4
MA17: Computer Mathematics Concepts ........4
Physical Education .................................... 1

SECOND SEMESTER: 17-18 credits
EG21: Technical Writing ............................ 3
• CS14: Programming Graphical User Interfaces Using Visual Basic or CS16: Principles of Computing Using Java I ........................................... 4
• Social Science Elective .............................. 3
** Mathematics Elective ............................. 3-4
• CS28: Installing, Configuring and Administering Microsoft® Windows® XP Professional or CS66: Operating Systems:
  Linux/UNIX ......................................... 4

continued on next page
THIRD SEMESTER: 14-16 credits
† Humanities Elective .......................... 3
• CS17: Computer Organization and
  Assembly Language Programming or
  TE50: The Workings of
  Personal Computers ......................... 3-4
‡ Business or Science/Engineering/
  Technology Requirement .................... 3-4
• TE51: CISCO - Computer Networking I .... 4
• Physical Education .......................... 1

FOURTH SEMESTER: 17-18 credits
* Social Science Elective ....................... 3
‡ Business or Science/Engineering/
  Technology Requirement .................... 3-4
§ CS80: Cooperative Education/
  Internships for Information Technology or
  BU80: Cooperative Education in
  Business ..................................... 3
• TE52: CISCO - Computer Networking II .... 4
• CS68: Network Operating Systems
  and Network Infrastructure ................ 4

TOTAL CREDITS REQUIRED: 65.5-69.5

* Although this is not a transfer degree, students planning to transfer to a SUNY four-year institution are strongly advised to choose as their social science electives courses in either American history or Western civilization or non-Western culture. The American history requirement can be met by HS33, HS34 or PO25; the Western civilization requirement can be met by HS11, HS12, HS20, HS22, ID11 or ID12; the non-Western culture requirement can be met by AN11, AN20, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90 or PO40.
** Choose one of the following: MA23, MA36, MA61.
† Students are strongly advised to choose as their humanities elective a course in either the arts (visual arts, music, theatre) or foreign language.
‡ Choose one accounting course and a business course (BA11, BA12 or BA55) or two science/engineering/computer courses.
§ CS80 strongly recommended. Students not meeting CS80 eligibility requirements may choose a CS course.
• These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Computer Science ....................... 32-40 credits
English ........................................ 6 credits
Humanities .................................... 3 credits
Social Science ............................... 6 credits
Mathematics .................................. 7-8 credits
Science ....................................... 0-8 credits
Business ..................................... 0-10 credits
Engineering .................................. 0-8 credits
Freshman Seminar ....................... 1.5 credits
Physical Education ........................ 2 credits

COMPUTER INFORMATION SYSTEMS
OPTION / 392-2

FIRST SEMESTER: 17.5 credits
Credits
OS15: Freshman Seminar ................... 1.5
EG11: Standard Freshman Composition .... 3
• CS12: Introduction to Programming
  Using Visual Basic .......................... 4
• CS13: Introduction to Information
  Technology .................................. 4
MA17: Computer Mathematics Concepts ... 4
Physical Education .......................... 1

SECOND SEMESTER: 17-18 credits
EG21: Technical Writing ..................... 3
* Social Science Elective ..................... 3
• CS16: Principles of Computing
  Using Java I .................................. 4
** Mathematics Elective .................... 3-4
• CS14: Programming Graphical User
  Interfaces Using Visual Basic .............. 4

THIRD SEMESTER: 16 credits
† Humanities Elective ........................ 3
• CS17: Computer Organization and
  Assembly Language Programming ........ 4
• CS26: Advanced Programming and
  Problem Solving with Java ................ 4
• CS33: Relational Database Applications
  and Concepts ................................ 4
Physical Education .......................... 1

FOURTH SEMESTER: 17-18 credits
* Social Science Elective ..................... 3
‡ Business or Accounting Elective .......... 3-4
§ CS80: Cooperative Education/
  Internships for Information Technology or
  BU80: Cooperative Education in
  Business ..................................... 3
• CS34: Programming for Relational
  Database Management Systems .......... 4
∆ CS Elective .................................. 4

TOTAL CREDITS REQUIRED: 67.5-69.5

* Although this is not a transfer degree, students planning to transfer to a SUNY four-year institution are strongly advised to choose as their social science electives courses in either American history or Western civilization or non-Western culture. The American history requirement can be met by HS33, HS34 or PO25; the Western civilization requirement can be met by HS11, HS12, HS20, HS22, ID11 or ID12; the non-Western culture requirement can be met by AN11, AN20, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90 or PO40.
** Choose one of the following: MA23, MA36, MA61.
† Students are strongly advised to choose as their humanities elective a course in either the arts (visual arts, music, theatre) or foreign language.
‡ Choose one of the following: AC11, BA11, BA12, BA55.
§ CS80 strongly recommended. Students not meeting CS80 eligibility requirements may choose a CS course.
△ Choose from one of the following: CS18, CS28, CS60, CS66. CS60 strongly recommended.
• These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Computer Science ............................. 36 credits
English ........................................... 6 credits
Humanities ...................................... 3 credits
Social Science .................................. 6 credits
Mathematics .................................... 7-8 credits
Business ......................................... 3-7 credits
Freshman Seminar .............................. 1.5 credits
Physical Education ............................ 2 credits

INTERNET/WEB DEVELOPMENT OPTION / 392-3
FIRST SEMESTER: 17.5 credits
Credits
OS15: Freshman Seminar ...................... 1.5
EG11: Standard Freshman Composition .... .3
• CS12: Introduction to Programming
  Using Visual Basic ........................... .3
• CS13: Introduction to Information
  Technology .................................... .4
MA17: Computer Mathematics Concepts . .4
Physical Education ............................ 1

SECOND SEMESTER: 18-19 credits
EG21: Technical Writing ...................... .3
• CS16: Principles of Computing
  Using Java I .................................. .4
** Mathematics Elective ...................... 3-4
• CS35: Web Site Design ...................... .4
• CS33: Relational Database Applications
  and Concepts ................................ .4

THIRD SEMESTER: 18 credits
† Humanities Elective .......................... .3
* Social Science Elective ........................ .3
• CS14: Programming Graphical User
  Interfaces Using Visual Basic
  or CS26: Principles of Computing
  Using Java II ................................ .4
BA61: E-Commerce ............................. .3
• CS31: Client-Side and Server-Side
  Web Programming ............................ .4
  Physical Education ........................... .1

FOURTH SEMESTER: 14 credits
  * Social Science Elective ...................... .3
§ CS80: Cooperative Education/
  Internships for Information Technology
  or BU80: Cooperative Education
  in Business .................................... .3
• CS39: XML Document Design
  and Programming ............................. .4
• CS32: E-Commerce Programming .......... .4

TOTAL CREDITS REQUIRED: 67.5-68.5

* Although this is not a transfer degree, students planning to transfer to a SUNY four-year
  institution are strongly advised to choose as their social science electives courses in either
  American history or Western civilization or non-Western culture. The American history
  requirement can be met by HS33, HS34 or PO25; the Western civilization requirement
  can be met by HS11, HS12, HS20, HS22, ID11 or ID12; the non-Western culture requirement
  can be met by AN11, AN20, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90 or PO40.
** Choose one of the following: MA23, MA36, MA61.
† Students are strongly advised to choose as their humanities elective a course in either the arts
  (visual arts, music, theatre) or foreign language.
‡ CS80 strongly recommended. Students not meeting CS80 eligibility requirements may choose a CS course.
• These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Computer Science ............................. 36-39 credits
English ........................................... 6 credits
Humanities ...................................... 3 credits
Social Science .................................. 6 credits
Mathematics .................................... 7-8 credits
Business ......................................... 3-7 credits
Freshman Seminar .............................. 1.5 credits
Physical Education ............................ 2 credits
INFORMATION TECHNOLOGY / CERTIFICATE

Hegis Code - 5104
Ammerman - Eastern - Grant / 440

This program is suitable for students who already have an associate’s, bachelor’s or master’s degree in a non-computing area and are seeking intensive computer-related technical training in a short period of time (two semesters). It prepares students for challenging and rewarding careers in one of the following three fields: Network Design and Administration, Application Development, and Internet/Web Development and Administration.

Depending on the program track, Information Technology majors are taught various aspects of the management of information technology such as performance measurement, program development, disaster recovery, security, business analysis, top-down design of systems, and writing of technical documents. The concept of teamwork may be reinforced through the assignment of group projects in various courses. Overall, the curriculum is designed to teach technology as well as to develop technological decision-making skills required by a successful information technology professional.

Students who wish to continue their studies toward the A.A.S. degree in Information Technology may apply these credits toward that goal.

Note: Constant technological changes require curricula updates that may not appear in the catalog. Please refer to the college Web site for the most recent information.

**FIRST SEMESTER: 16 credits**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<td>CS12</td>
<td>Introduction to Programming</td>
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<tr>
<td></td>
<td>Using Visual Basic</td>
<td></td>
</tr>
<tr>
<td>**</td>
<td>Computer Science/Information</td>
<td>4</td>
</tr>
<tr>
<td>**</td>
<td>Technology Elective</td>
<td></td>
</tr>
<tr>
<td>MA17</td>
<td>Computer Mathematics Concepts</td>
<td>4</td>
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</table>

**SECOND SEMESTER: 15 credits**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EG21</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>**</td>
<td>Computer Science/Information</td>
<td></td>
</tr>
<tr>
<td>**</td>
<td>Technology Elective</td>
<td></td>
</tr>
<tr>
<td>**</td>
<td>Computer Science/Information</td>
<td></td>
</tr>
<tr>
<td>**</td>
<td>Technology Elective</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 31**

* To be selected based on desired option.
* These courses constitute the major courses in this curriculum.

**OPTIONS**

**NETWORK DESIGN AND ADMINISTRATION / 440-1**

Semester 1: CS28 or CS66, TE51
Semester 2: TE52, CS68, Computer Science/Information Technology Elective

**COMPUTER INFORMATION SYSTEMS / 440-2**

Semester 1: CS16, CS33
Semester 2: CS14 or CS26, CS34, Computer Science/Information Technology Elective

**INTERNET/WEB DEVELOPMENT / 440-3**

Semester 1: CS33, CS35
Semester 2: CS31 or CS32, CS39, Computer Science/Information Technology Elective

**REQUIRED CREDIT DISTRIBUTION**

- Computer Science ....................... 24 credits
- English ................................... 3 credits
- Mathematics ................................ 4 credits
INTERIOR DESIGN ASSISTANT / A.A.S. DEGREE

Hegis Code – 5012
Eastern / 329-1

This curriculum combines an intensive program of study in art and interior design with courses in the liberal arts to prepare students to assume positions of interior design assistant or junior designer or for transfer into four-year programs of study.

The responsibilities of the interior design assistant encompass many aspects of creating residential or commercial environments built for human habitation. The design assistant helps clients with the selection and arrangement of interior furnishings and performs basic tasks necessary to implement a design such as preparing drawings and business documents, measuring and providing cost estimates, and working with subcontractors. This curriculum is included in the New York State Education Department's inventory of Registered Programs and meets New York State educational requirements for licensure as an interior designer.

The four-semester sequence starting every fall requires that acceptance into the Interior Design Assistant curriculum is for FALL admission only. However, students may consult with the department for spring courses, but will be on a track consisting of five or more semesters due to the fourth semester starting every fall.

**FIRST SEMESTER: 17.5 credits**

- OS15: Freshman Seminar ................. 1.5
- EG11: Standard Freshman Composition 3
- PC11: Introduction to Psychology
  or SO11: Introduction to Sociology .......... 3
- * IN13: Interior Design I .................. 3
- VA30: 2D Design .......................... 3
- VA33: Drawing I ............................ 3
- Physical Education ........................ 1

**SECOND SEMESTER: 18 credits**

- EG13: Introduction to Literature ............ 3
- History Elective ............................ 3
- * IN14: Interior Design II .................. 3
- VA17: Art History I
  or VA18: Art History II
  or VA19: Modern Art ....................... 3
- VA24: Color .................................. 3
- VA34: Drawing II ............................ 3

**THIRD SEMESTER: 16-17 credits**

- Mathematics Elective ...................... 3-4
- * Humanities Elective ........................ 3
- * IN15: Interior Design III .................. 3
- * IN51: Interior Design Graphics ............ 3
- * IN54: Professional Practice for
  Interior Designers .......................... 3
- Physical Education ........................ 1

**FOURTH SEMESTER: 19 credits**

- Laboratory Science Elective ............... 4
- ** Business Elective .......................... 3
- * IN16: Design Seminar .................... 2
- **IN79: Cooperative Education and
  Internships in Interior
  Design or VA60: 3D Design .................. 3
- * IN52: Materials and Construction Methods
  for Interior Designers ....................... 4
- * IN53: AutoCAD for Interior Designers .... 3

**TOTAL CREDITS REQUIRED: 70.5-71.5**

* To be selected from PL11, PL23, HM50 or HM51.
** To be selected from BD57, BD73 or BA53.
*** Students intending to continue on for a baccalaureate degree are advised to take VA60; students planning to enter the job market upon graduation should select IN79.

* These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Interior Design/Visual Arts</td>
<td>42</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>7-8</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Business</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
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<tr>
<td>Physical Education</td>
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</table>
Hegis Code - 5649
Ammerman - Eastern - Grant / 113-1 (B.A.); 114-1 (B.S.)

This program, which is jointly registered with St. Joseph’s College, prepares students for careers in secondary education (grades 7-12). Students who complete the A.A. degree at Suffolk County Community College are assured seamless transfer to St. Joseph’s College for the baccalaureate degree program. Students can also transfer to other New York State public and private four-year colleges to attain the baccalaureate degree and teacher certification.

The Adolescence Education Emphasis at Suffolk offers a strong liberal arts foundation, while including courses specifically related to pedagogy. New York State teacher certification standards will be met through upper-level course work at St. Joseph’s College, including supervised student teaching. Successful completion of the full program will qualify students for Initial Certification in secondary education (grades 7-12).

Admission Procedures and Requirements

Admission to the A.A. Liberal Arts and Sciences: Adolescence Education/Biology emphasis for entering students requires a Regent’s Diploma, a minimum high school average of 80 and completion of Mathematics A and B and precalculus. Students already enrolled in college who wish to be admitted to the program must have completed EG11 and MA62 or MA70 with a combined GPA of 3.0 or better.

Graduates of the A.A. program at Suffolk will be required to have a 2.80 GPA to matriculate in the Adolescence Education program at St. Joseph’s College.

Program at Suffolk County Community College

FIRST SEMESTER: 17.5 credits

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>OS15: Freshman Seminar</td>
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<tr>
<td>EG11: Standard Freshman Composition</td>
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<tr>
<td>BY50: Modern Biology I</td>
<td>4</td>
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<tr>
<td>CH33: College Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>MA87: Calculus with Analytic Geometry I</td>
<td>4</td>
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<tr>
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SECOND SEMESTER: 16 credits

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>BY52: Modern Biology II</td>
<td>4</td>
</tr>
<tr>
<td>CH34: College Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>MA88: Calculus with Analytic Geometry II</td>
<td>4</td>
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<tr>
<td>Physical Education</td>
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THIRD SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CO11: Introduction to Human Communication</td>
<td>3</td>
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<tr>
<td>or CO15: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CH55: Organic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>* Non-Western Social Science Elective</td>
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<tr>
<td>HS11: Western Civilization I</td>
<td>3</td>
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<tr>
<td>or HS12: Western Civilization II</td>
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<tr>
<td>** Visual Arts Elective</td>
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FOURTH SEMESTER: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CH56: Organic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>BY62: Genetics</td>
<td>4</td>
</tr>
<tr>
<td>HS34: Modern American History or HS33: Foundations of American History</td>
<td>3</td>
</tr>
<tr>
<td>ED12: Introduction to Education</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 65.5

To be selected from GY15: World Regional Geography, GY16: Culture and the Environment, GY17: Political Geography, HS51: Major World Cultures, HS57: The Far Eastern World; PO40: World Politics.

To be selected from VA11: Art of the Western World, VA12: Art Appreciation, VA17: Art History I, VA18: Art History II or VA19: Modern Art.

REQUIRED CREDIT DISTRIBUTION AT SUFFOLK COUNTY COMMUNITY COLLEGE

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<th>Category</th>
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</thead>
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<tr>
<td>English</td>
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<tr>
<td>Humanities</td>
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<tr>
<td>Social Science</td>
<td>9</td>
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<td>Biology/Chemistry</td>
<td>30</td>
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<td>Mathematics</td>
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<tr>
<td>Education</td>
<td>3</td>
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<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
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</tbody>
</table>

**
### B.A. Program at St. Joseph’s College

**FIFTH SEMESTER: 17 credits**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO330: Physiology</td>
<td>.5</td>
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<tr>
<td>Social Science Elective</td>
<td>.3</td>
</tr>
<tr>
<td>EDU 115: Educational Psychology</td>
<td>.3</td>
</tr>
<tr>
<td>ENG110: Communications for Professionals</td>
<td>.3</td>
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<tr>
<td>Foreign Language I</td>
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**SIXTH SEMESTER: 14 credits**

<table>
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<th>Course</th>
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<tr>
<td>BIO380: Research Seminar</td>
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<tr>
<td>EDU234: Sociological and Philosophical Foundations of Education</td>
<td>.2</td>
</tr>
<tr>
<td>EDU235: Instructional Strategies for Inclusion in the Classroom</td>
<td>.2</td>
</tr>
<tr>
<td>PSY220: Adolescent Psychology</td>
<td>.3</td>
</tr>
<tr>
<td>Foreign Language II</td>
<td>.3</td>
</tr>
<tr>
<td>Philosophy Elective</td>
<td>.3</td>
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</table>

**SEVENTH SEMESTER: 15 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Biology Elective</td>
<td>.4</td>
</tr>
<tr>
<td>EDU360: Methods of Secondary Education</td>
<td>.3</td>
</tr>
<tr>
<td>EDU366: Methods in Teaching Biology</td>
<td>.2</td>
</tr>
<tr>
<td>SPC218: Normal Language Development</td>
<td>.3</td>
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<tr>
<td>Non-Laboratory Biology or Chemistry Course</td>
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<tr>
<td>BIO480: Research</td>
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**EIGHTH SEMESTER: 16 credits**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO340: Microbiology</td>
<td>.4</td>
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<tr>
<td>EDU473: Supervised Teaching in Secondary Schools</td>
<td>.6</td>
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<tr>
<td>Music Elective</td>
<td>.3</td>
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<tr>
<td>BIO480: Research</td>
<td>.3</td>
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</tbody>
</table>

**Credits Required at St. Joseph’s College: 62 credits (70 for B.S. Degree)**

**Credits Required at Suffolk County Community College: 65.5 credits**

**Total Credits Required to Complete the Joint Program: 127.5 for B.A. Degree; 135.5 for B.S. Degree**

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1 The B.S. in Biology at St. Joseph’s College requires 8 additional credits: Physics 150 and 151.

2 To be selected from sociology, political science or economics.

*All students are required to pass the LAST and ATS-W, the Certificate for Child Abuse and Violence Prevention, and be fingerprinted as required by New York State. Students must also take the content test in their major field. 128 credits are required for graduation from St. Joseph’s College.*
This program, which is jointly registered with St. Joseph's College, prepares students for careers in secondary education (grades 7-12). Students who complete the A.A. degree at Suffolk County Community College are assured seamless transfer to St. Joseph's College for the baccalaureate degree program. Students can also transfer to other New York State public and private four-year colleges to attain the baccalaureate degree and teacher certification.

The Adolescence Education Emphasis at Suffolk offers a strong liberal arts foundation, while including courses specifically related to pedagogy. New York State teacher certification standards will be met through upper-level course work at St. Joseph's College, including supervised student teaching. Successful completion of the full program will qualify students for Initial Certification in secondary education (grades 7-12).

Admission Procedures and Requirements

Admission to the A.A. Liberal Arts and Sciences: Adolescence Education/English emphasis for entering students requires a Regent’s Diploma and a minimum high school average of 80. Students already enrolled in college who wish to be admitted to the program must have completed EG11: Standard Freshman Composition and a mathematics or laboratory science course with a combined GPA of 3.0 or better.

Graduates of the A.A. program at Suffolk will be required to have a 2.80 GPA to matriculate in the Adolescence Education program at St. Joseph's College.

Program at Suffolk County Community College

FIRST SEMESTER: 16.5-17.5 credits

- OS15: Freshman Seminar .................. 1.5
- EG11: Standard Freshman Composition ... 3
- CO11: Introduction to Human Communication  
  or CO15: Public Speaking .................. 3
- ‡ Mathematics Elective .......................... 3-4
- † Foreign Language ............................. 3
- * Visual Arts Elective ........................... 3

SECOND SEMESTER: 17 credits

- EG13: Introduction to Literature ............. 3
- EG35: Advanced Expository Writing ........... 3
- † Foreign Language ............................. 3
- Laboratory Science Elective .................. 4
- HS11: Western Civilization I  
  or HS12: Western Civilization II ............. 3
- Physical Education ............................. 1

THIRD SEMESTER: 16-17 credits

- ** English Elective .............................. 3
- EG60: Contemporary Global Literature ...... 3
- Philosophy Elective ............................ 3
- ‡ Mathematics/Laboratory Science Elective . 3-4
- HS34: Modern American History  
  or HS33: Foundations of American History .................. 3
- Physical Education ............................. 1

FOURTH SEMESTER: 15 credits

- ** English Elective .............................. 3
- ** English Elective .............................. 3
- *** Music Elective .............................. 3
- SO11: Introduction to Sociology 
  or PO25: American National Politics and Government  ................. 3
- ED12: Introduction to Education ................ 3

TOTAL CREDITS REQUIRED: 64.5-66.5

* To be selected from VA11: Art of the Western World, VA12: Art Appreciation, VA17: Art History I, VA18: Art History II or VA19: Modern Art.


† Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment...
of equivalent high school placement requirements, as follows: Elementary I/Elementary II or Elementary II/Intermediate I or Intermediate I/Intermediate II or Intermediate II/any advanced-level course. ASL not accepted for this requirement.

† No mathematics special topics courses or MA50.

REQUIRED CREDIT DISTRIBUTION AT SUFFOLK COUNTY COMMUNITY COLLEGE

English ........................................ 21 credits
Humanities ..................................... 12 credits
Foreign Language ............................. 6 credits
Social Science ................................ 9 credits
Mathematics/Science ......................... 10-12 credits
Education ..................................... 3 credits
Freshman Seminar ............................ 1.5 credits
Physical Education ........................... 2 credits

B.A. Program at St. Joseph’s College

FIFTH SEMESTER: 15 credits

ENG401: Junior Survey of American Literature ........................... 3
EDU 115: Educational Psychology ............................... 3
SPC218: Normal Language Development ......................... 3
English Elective† .................................. 3
Elective ........................................... 3

SIXTH SEMESTER: 16 credits

ENG400: Writing about Literature .......................... 3
EDU234: Sociological and Philosophical Foundations of Education ............. 2
EDU235: Instructional Strategies for Inclusion in the Classroom ..................... 2
PSY220: Adolescent Psychology ............................... 3
English Elective† .................................. 3
Elective ........................................... 3

SEVENTH SEMESTER: 17 credits

ENG402: Advanced Survey of British Literature (fall only) ...................... 3
ENG487: Seminar in Literature (Thesis - fall only) ...................... 3

EIGHTH SEMESTER: 15 credits

ENG403: Advanced Survey II (spring only) ...................... 3
EDU473: Supervised Teaching in Secondary Schools ....................... 6
English Elective† .................................. 3
Elective ........................................... 3

Credits Required at St. Joseph’s College: 63 credits

Credits Required at Suffolk County Community College: 64.5-66.5 credits

Total Credits Required to Complete the Joint Program: 127.5-129.5

1 To be selected from the following list (students should fulfill Renaissance and Medieval requirement with electives in bold type): ENG112: Classical Literature, ENG217: Medieval Themes, ENG218: Medieval Literature, ENG219: Literature of English Renaissance, ENG221: 17th Century Literature, ENG233: Romantic Literature, ENG234: Victorian Literature, ENG241: Rise and Development of the Novel, ENG256: Bible as Literature, ENG257: Colonial and Early National American Literature, ENG258: American Renaissance, ENG259: Modern American Novel, ENG305: Chaucer, ENG332: Shakespeare. Courses in bold type satisfy Renaissance or Medieval requirement.


All students are required to pass the LAST and ATS-W, the Certificate for Child Abuse and Violence Prevention and be fingerprinted as required by New York State. Students must also take the content test in their major field. 128 credits are required for graduation from St. Joseph’s College.
**LIBERAL ARTS AND SCIENCES: ADOLESCENCE EDUCATION/HISTORY EMPHASIS (SOCIAL STUDIES) / A.A. DEGREE**

(Jointly Registered with St. Joseph’s College, leading to a B.A. degree in History)

**Hegis Code - 5649**

Ammerman - Eastern - Grant / 116-1

This program, which is jointly registered with St. Joseph’s College, prepares students for careers in secondary education (grades 7-12). Students who complete the A.A. degree at Suffolk County Community College are assured seamless transfer to St. Joseph’s College for the baccalaureate degree program. Students can also transfer to other New York State public and private four-year colleges to attain the baccalaureate degree and teacher certification.

The Adolescence Education Emphasis at Suffolk offers a strong liberal arts foundation, while including courses specifically related to pedagogy. New York State teacher certification standards will be met through upper-level course work at St. Joseph’s College, including supervised student teaching. Successful completion of the full program will qualify students for Initial Certification in secondary education (grades 7-12).

**Admission Procedures and Requirements**

Admission to the A.A. Liberal Arts and Sciences: Adolescence Education/History (Social Studies) emphasis for entering students requires a Regent’s Diploma and a minimum high school average of 80. Students already enrolled in college who wish to be admitted to the program must have completed EG11: Standard Freshman Composition and a mathematics or laboratory science course with a combined GPA of 3.0 or better.

Graduates of the A.A. program at Suffolk will be required to have a 2.80 GPA to matriculate in the Adolescence Education program at St. Joseph’s College.

**Program at Suffolk County Community College**

**FIRST SEMESTER: 16.5-17.5 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
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<td>EG11: Standard Freshman Composition</td>
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<tr>
<td>† Foreign Language</td>
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</tr>
<tr>
<td>HS11: Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>or CO15: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>‡ Mathematics Elective</td>
<td>3-4</td>
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**SECOND SEMESTER: 17 credits**

<table>
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<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>† Foreign Language</td>
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</tr>
<tr>
<td>HS12: Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Science Elective</td>
<td>4</td>
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<tr>
<td>* Music Elective</td>
<td>3</td>
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<tr>
<td>Physical Education</td>
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**THIRD SEMESTER: 16 credits**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SO11: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>HS33: Foundations of American History</td>
<td>3</td>
</tr>
<tr>
<td>EK21: Macroeconomics: The National Economy</td>
<td>3</td>
</tr>
<tr>
<td>PO20: State and Local Politics and Government</td>
<td>3</td>
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<tr>
<td>** Visual Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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**FOURTH SEMESTER: 15-16 credits**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Philosophy Elective</td>
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<tr>
<td>HS34: Modern American History</td>
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</tr>
<tr>
<td>‡ Mathematics/Laboratory</td>
<td>3-4</td>
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<tr>
<td>Science Elective</td>
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<tr>
<td>*** Non-Western Social Science Elective</td>
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<tr>
<td>ED12: Introduction to Education</td>
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</tbody>
</table>

**TOTAL CREDITS REQUIRED: 64.5-66.5**


** To be selected from VA11: Art of the Western World, VA12: Art Appreciation, VA17: Art History I, VA18: Art History II or VA19: Modern Art.

*** To be selected from GY15: World Regional Geography, GY16: Culture and the Environment, GY17: Political Geography, HS51: Major World Cultures or HS57: The Far Eastern World, PO40: World Politics.

† Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary I/Elementary II OR Elementary II/Intermediate I OR Intermediate I/Intermediate II OR
Intermediate II/any advanced-level course. ASL not accepted for this requirement.
‡ No mathematics special topics courses or MA50.

REQUIRED CREDIT DISTRIBUTION AT SUFFOLK COUNTY COMMUNITY COLLEGE

<table>
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<th>Category</th>
<th>Credits</th>
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<tr>
<td>Humanities</td>
<td>12</td>
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<tr>
<td>Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>12-15</td>
</tr>
<tr>
<td>Social Science</td>
<td>9-12</td>
</tr>
<tr>
<td>Mathematics/Science</td>
<td>10-12</td>
</tr>
<tr>
<td>Education</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>9-12</strong></td>
</tr>
</tbody>
</table>

B.A. Program at St. Joseph’s College

FIFTH SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 200-Level Non-Western</td>
<td>3</td>
</tr>
<tr>
<td>POL102: Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>HIS422: Historiography</td>
<td>3</td>
</tr>
<tr>
<td>HIS152: Contemporary International Problems or HIS310: American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>EDU 115: Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPC218: Normal Language Development</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

SIXTH SEMESTER: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIS410: Seminar in Historical Methodology</td>
<td>2</td>
</tr>
<tr>
<td>History 300-Level Elective</td>
<td>3</td>
</tr>
<tr>
<td>PSY200: Psychology of Learning</td>
<td>3</td>
</tr>
<tr>
<td>ECO278: Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>EDU234: Sociological and Philosophical Foundations of Education</td>
<td>2</td>
</tr>
<tr>
<td>EDU235: Instructional Strategies for Inclusion in the Classroom</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
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SEVENTH SEMESTER: 16 credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>POL103: American Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>HIS411: Senior Thesis (Non-Western)</td>
<td>2</td>
</tr>
<tr>
<td>Art Elective</td>
<td></td>
</tr>
<tr>
<td>EDU360: Methods of Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU363: Methods of Teaching History and Social Studies</td>
<td>2</td>
</tr>
<tr>
<td>PSY220: Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16</strong></td>
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</tbody>
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EIGHTH SEMESTER: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics or Political Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>SPC Elective</td>
<td></td>
</tr>
<tr>
<td>History 300-Level Elective</td>
<td>3</td>
</tr>
<tr>
<td>EDU473: Supervised Teaching in Secondary Schools</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Credits Required at St. Joseph’s College: 64 credits

Credits Required at Suffolk County Community College: 64.5-66.5 credits

Total Credits Required to Complete the Joint Program: 128.5-130.5 for B.A. Degree

All students are required to pass the LAST and ATS-W, the Certificate for Child Abuse and Violence Prevention, and be fingerprinted as required by New York State. Students must also take the content test in their major field. 128 credits are required for graduation from St. Joseph’s College.
LIBERAL ARTS AND SCIENCES: ADOLESCENCE EDUCATION/MATHEMATICS EMPHASIS / A.A. DEGREE
(Jointly Registered with St. Joseph’s College, leading to a B.A. or B.S. degree in Mathematics)

Hegis Code - 5649
Ammerman - Eastern - Grant / 117-1 (B.A.); 118-1 (B.S.)

This program, which is jointly registered with St. Joseph’s College, prepares students for careers in secondary education (grades 7-12). Students who complete the A.A. degree at Suffolk County Community College are assured seamless transfer to St. Joseph’s College for the baccalaureate degree program. Students can also transfer to other New York State public and private four-year colleges to attain the baccalaureate degree and teacher certification.

The Adolescence Education Emphasis at Suffolk offers a strong liberal arts foundation, while including courses specifically related to pedagogy. New York State teacher certification standards will be met through upper-level course work at St. Joseph’s College, including supervised student teaching. Successful completion of the full program will qualify students for Initial Certification in secondary education (grades 7-12).

Admission Procedures and Requirements

Admission to the A.A. Liberal Arts and Sciences: Adolescence Education/Mathematics emphasis for entering students requires a Regent’s Diploma, a minimum high school average of 80 and completion of Mathematics A and B. Students already enrolled in college who wish to be admitted to the program must have completed EG11 and MA27 or equivalent (or a laboratory science course if no math course is required), with a combined GPA of 3.0 or better.

Graduates of the A.A. program at Suffolk will be required to have a 2.80 GPA to matriculate in the Adolescence Education program at St. Joseph’s College.

Program at Suffolk County Community College

FIRST SEMESTER: 17.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>* MA61: Fundamentals of Precalculus I</td>
<td>4</td>
</tr>
<tr>
<td>† Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication or CO15: Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>** Visual Arts Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

SECOND SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>† Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Science Elective</td>
<td>4</td>
</tr>
<tr>
<td>* MA62: Fundamentals of Precalculus II</td>
<td>4</td>
</tr>
<tr>
<td>*** Music Elective</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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</tbody>
</table>

THIRD SEMESTER: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS12: Introduction to Programming Using Visual Basic</td>
<td>4</td>
</tr>
<tr>
<td>MA87: Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>HS11: Western Civilization I or HS12: Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>SO11: Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

FOURTH SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA88: Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>HS34: Modern American History or HS33: Foundations of American History</td>
<td>3</td>
</tr>
<tr>
<td>† Non-Western Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>CS16: Principles of Computing Using C++</td>
<td>4</td>
</tr>
<tr>
<td>ED12: Introduction to Education</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 67.5

* MA70: Precalculus Mathematics cannot be substituted for MA61 and MA62.
** To be selected from VA11: Art of the Western World, VA12: Art Appreciation, VA17: Art History I, VA18: Art History II or VA19: Modern Art.
† Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary 1/
Elementary II OR Elementary II/Intermediate I OR Intermediate I/Intermediate II OR Intermediate II/any advanced-level course. ASL not accepted for this requirement.

‡ To be selected from GY15: World Regional Geography, GY16: Culture and the Environment, GY17: Political Geography, HS51: Major World Cultures, HS57: The Far Eastern World, PO40: World Politics.

REQUIRED CREDIT DISTRIBUTION AT SUFFOLK COUNTY COMMUNITY COLLEGE

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>9</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>6</td>
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<tr>
<td>Social Science</td>
<td>12</td>
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<tr>
<td>Mathematics</td>
<td>16</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>Computer Science</td>
<td>8</td>
</tr>
<tr>
<td>Education</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

B.A. Program at St. Joseph’s College

FIFTH SEMESTER: 16 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT207: Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td>EDU 115: Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPC218: Normal Language Development</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

SIXTH SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT208: Advanced Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MAT356: Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>EDU234: Sociological and Philosophical Foundations of Education</td>
<td>2</td>
</tr>
<tr>
<td>EDU235: Instructional Strategies for Inclusion in the Classroom</td>
<td>2</td>
</tr>
<tr>
<td>EDU220: Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

SEVENTH SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td>MAT246: Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>EDU360: Methods of Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU364: Methods in Teaching Mathematics</td>
<td>2</td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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</tbody>
</table>

EIGHTH SEMESTER: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT362: Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MAT471: Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDU473: Supervised Teaching</td>
<td>6</td>
</tr>
<tr>
<td>in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Credits Required at St. Joseph’s College: 65 credits (73 for B.S. Degree)

Credits Required at Suffolk County Community College: 67.5 credits

Total Credits Required to Complete the Joint Program: 132.5 for B.A. Degree; 140.5 for B.S. Degree

The B.S. in Mathematics at St. Joseph’s College requires 8 additional credits: Physics 150 and 151.

All students are required to pass the LAST and ATS-W, the Certificate for Child Abuse and Violence Prevention, and be fingerprinted as required by New York State. Students must also take the content test in their major field. 128 credits are required for graduation from St. Joseph’s College.
LIBERAL ARTS AND SCIENCES: EDUCATION (CHILD STUDY)  
EMPHASIS / A.A. DEGREE  
(Jointly Registered with St. Joseph’s College, leading to a B.A. degree in Child Study)

Hegis Code - 5649  
Ammerman - Eastern - Grant / 112-1

This program, which is jointly registered with St. Joseph’s College, prepares students for careers in early childhood, childhood, early childhood special education and childhood special education. Students who complete the A.A. degree at Suffolk County Community College are assured seamless transfer to St. Joseph’s College for the baccalaureate degree program. Students can also transfer to other New York State public and private four-year colleges to attain the baccalaureate degrees and teacher certification.

The Education (Child Study) curriculum at Suffolk offers a strong liberal arts foundation while including courses specifically related to pedagogy. New York State teacher certification is met through upper-level coursework at St. Joseph’s College, including supervised student teaching. Successful completion of the full program qualifies students for Initial Certification in the following four areas:

- Early childhood (birth to second grade)
- Early childhood special education (birth to second grade)
- Childhood (grades one through six)
- Childhood special education (grades one through six)

**Admission Procedures and Requirements**

Admission to the A.A. Liberal Arts and Sciences: Education (Child Study) Emphasis for entering students requires a Regent's Diploma and a minimum high school average of 80. Continuing students who wish to be admitted to the program must complete EG11: Standard Freshman Composition, a mathematics or laboratory science course, and PC11: Introduction to Psychology with a combined GPA of 3.0 or better.

Graduates of the A.A. program at Suffolk will be required to have a 2.80 GPA to matriculate in the Child Study program at St. Joseph’s College.

**Program at Suffolk County Community College**

**FIRST SEMESTER: 16.5-17.5 credits**

- OS15: Freshman Seminar ............................................. 1.5
- EG11: Standard Freshman Composition .......................... 3
- PC11: Introduction to Psychology .................................... 3
  * Foreign Language ................................................... 3
  ◊ Mathematics Elective ............................................... 3-4
  ** Visual Arts Elective ............................................... 3

**SECOND SEMESTER: 17 credits**

- EG13: Introduction to Literature ................................. 3
- CO11: Introduction to Human Communication
  or CO15: Public Speaking ......................................... 3
- PC64: Child and Adolescent Psychology .......................... 3
  * Foreign Language ................................................... 3
  ◊ Mathematics Elective ............................................... 3-4
  Physical Education ................................................... 1

**THIRD SEMESTER: 16-17 credits**

- HS33: Foundations of American History
  or HS34: Modern American History
  (see Note 1) ............................................................. 3
- PC63: The Exceptional Child ......................................... 3
  *** Philosophy Elective ............................................. 3
  ◊ Mathematics Elective ............................................... 3-4
  † Music Elective ...................................................... 3
  Physical Education ................................................... 1

**FOURTH SEMESTER: 19 credits**

- Restricted Social Science
  Elective (see Note 1) ............................................... 3
- Laboratory Science Elective ....................................... 4
- PO20: State and Local Politics and Government
  or PO25: American National Politics and Government
  (see Note 1) ......................................................... 3
- EG35: Advanced Expository Writing ............................ 3
- ED12: Introduction to Education .................................. 3
- § Course in Area of Concentration .............................. 3

**TOTAL CREDITS REQUIRED: 68.5-70.5**

* Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary I/Elementary II OR Elementary II/Intermediate I OR Intermediate I/Intermediate II OR Intermediate II/any advanced-level course. ASL not accepted for this requirement.

** To be selected from VA11: Art of the Western World, VA12: Art Appreciation, VA17: Art History I, VA18: Art History II or VA19: Modern Art.
‡ To be selected from HS11: Western Civilization I, HS12: Western Civilization II, HS51: Major World Cultures, GY15: World Regional Geography, GY16: Culture and the Environment, GY17: Political Geography or PO40: World Politics.
§ Child Study majors at St. Joseph’s College are required to take 30 credits in an academic area of concentration, which include art, English, fine arts, history, human relations, mathematics, mathematics and computer science, music, political science, psychology, science, social science, sociology, Spanish, speech communication, or another area with departmental approval. Students should confer with a counselor or advisor regarding the list of Suffolk courses that will satisfy this requirement.
◊ No mathematics special topics courses or MA50.

NOTES: 1) Students must complete one American History course, one New York State history or government course and one world history or geography course.
2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

REQUIRED CREDIT DISTRIBUTION AT SUFFOLK COUNTY COMMUNITY COLLEGE

- English ........................................ 9 credits
- Humanities .................................. 12 credits
- Foreign Language .......................... 6 credits
- Social Science ............................... 18 credits
- Mathematics/Science ........................ 14-16 credits
- Education .................................... 3 credits
- Area of Concentration ......................... 3 credits
- Freshman Seminar ......................... 1.5 credits
- Physical Education ......................... 2 credits

B.A. Program at St. Joseph’s College

FIFTH SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course in area of concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 301: Literacy and Language in the Primary Grades</td>
<td>3</td>
</tr>
<tr>
<td>CS 324: Special Education: Curriculum, Methods, Materials 1</td>
<td>3</td>
</tr>
<tr>
<td>CS 308: Education for Preschool and Kindergarten Years</td>
<td>3</td>
</tr>
<tr>
<td>Course in area of concentration</td>
<td>3</td>
</tr>
</tbody>
</table>

SIXTH SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course in area of concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 302: Literacy and Language in the Intermediate Grades</td>
<td>3</td>
</tr>
<tr>
<td>CS 303/304: Mathematics/Science in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>CS 325: Special Education: Curriculum, Methods, Materials 2</td>
<td>3</td>
</tr>
<tr>
<td>CS 321: Psychoeducational Assessment</td>
<td>3</td>
</tr>
<tr>
<td>Course in area of concentration</td>
<td>3</td>
</tr>
</tbody>
</table>

SEVENTH SEMESTER: 12 credits

<table>
<thead>
<tr>
<th>Course in area of concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 414: Supervised Student Teaching - Elementary School</td>
<td>5</td>
</tr>
<tr>
<td>CS 352: Classroom Management</td>
<td>1</td>
</tr>
<tr>
<td>Course in area of concentration</td>
<td>3</td>
</tr>
<tr>
<td>Course in area of concentration</td>
<td>3</td>
</tr>
</tbody>
</table>

EIGHTH SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course in area of concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 402: Research in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>CS 424: Special Education Practicum</td>
<td>5</td>
</tr>
<tr>
<td>Course in area of concentration</td>
<td>3</td>
</tr>
</tbody>
</table>

Credits Required at St. Joseph’s College: 65 credits

Credits Required at Suffolk County Community College: 68.5-70.5 credits

Total Credits Required to Complete the Joint Program: 133.5-135.5

The total credits required would likely be reduced, the amount depending on the student’s choice of area of concentration. Some courses taken as part of the Liberal Arts Education (Child Study) Emphasis at Suffolk County Community College would likely count as courses taken in the area of concentration.

All students are required to pass the LAST and ATS-W, the Certificate for Child Abuse and Violence Prevention, and be fingerprinted as required by New York State. Students must also take the content test in their major field. 128 credits are required for graduation from St. Joseph’s College.
LIBERAL ARTS AND SCIENCES: GENERAL STUDIES
EMPHASIS / A.A. DEGREE

Hegis Code - 5649
Ammerman - Eastern - Grant / 103-1

This curriculum is designed for students seeking a liberal arts education which will develop their intellect, enhance their self-expression, contribute to a sense of self-fulfillment, and provide an understanding of our common cultural heritage. The program focuses on a central core of learning experiences in the arts, humanities, social sciences, natural sciences and mathematics, and constitutes an ideal foundation and preparation for those students who plan to continue their studies toward a baccalaureate degree at a four-year college or university. At the same time, it also offers sufficient flexibility and opportunity for exploration to serve the needs of those students who are undecided about their career goals and who wish to explore diverse fields of interest.

FIRST SEMESTER: 17.5-18.5 Credits
OS15: Freshman Seminar .................. 1.5
EG11: Standard Freshman Composition  .................. 3
CO11: Introduction to Human Communication  or CO15: Public Speaking .................. 3
HS11: Western Civilization I or ID11: Civilization: The Human Experience I  .................. 3
Mathematics Elective .................. 3-4
* Social Science Elective (see Note 2) .................. 3
Physical Education .................. 1

SECOND SEMESTER: 17 Credits
EG13: Introduction to Literature .................. 3
** Visual Arts, Music or Theatre Elective (VA, MU or TH) .................. 3
HS12: Western Civilization II or ID12: Civilization : The Human Experience II  .................. 3
Laboratory Science Elective .................. 4
* Social Science Elective (see Note 2) .................. 3
Physical Education .................. 1

THIRD SEMESTER: 15-18 credits
*** Humanities Elective I:
Philosophy or Foreign Language .................. 3
Mathematics or Science Elective .................. 3-4
† English Elective  .................. 3
Liberal Arts and Sciences Elective (see Note 2)  .................. 3-4
Unrestricted Elective (see Note 2) .................. 3-4

FOURTH SEMESTER: 15-18 credits
*** Humanities Elective II:
(seefootnote)  .................. 3
‡ Non-Western Social Science Elective  .................. 3
Mathematics or Science Elective  .................. 3-4
Unrestricted Electives (2 courses) (see Note 2)  .................. 6-8

TOTAL CREDITS REQUIRED: 64.5-71.5
* Criminal Justice courses do not fulfill a social science requirement.
** This requirement cannot be fulfilled by MU87, MU88 or 2-credit music performance courses.

*** Humanities Electives I and II:
a) If a philosophy course is selected to fulfill the Humanities Elective I, students can select one of the following to fulfill the Humanities Elective II: philosophy, foreign language, English, communications, or any other humanities course designated "HM" except HM60.
b) If a foreign language course is selected to fulfill the Humanities Elective I, students must fulfill the Humanities Elective II by selecting either the next higher course in the same foreign language or a philosophy course.
† This requirement cannot be fulfilled by EG33 or EG55.
‡ To be selected from AN11, AN20, AN21, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90 or PO40.

NOTES: 1) No more than 17 credits from any one discipline (e.g., SO, MA, TH) can be used to fulfill requirements. 2) Students planning to transfer to a SUNY four-year institution are strongly advised to take HS33 or HS34 as one of their social science, liberal arts and sciences or unrestricted electives, and to take at least one semester of a foreign language to fulfill a humanities, liberal arts and sciences or unrestricted elective. The SUNY core General Education requirements are explained on page 88 of this catalog. 3) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Subject</th>
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<tbody>
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<td>15</td>
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<tr>
<td>Mathematics and Science</td>
<td>13-16</td>
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<tr>
<td>Liberal Arts and Sciences</td>
<td>3-4</td>
</tr>
<tr>
<td>Unrestricted Electives</td>
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<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
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<tr>
<td>Physical Education</td>
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(at least 6 credits must be in history)
LIBERAL ARTS AND SCIENCES: HUMANITIES EMPHASIS / A.A. DEGREE

Hegis Code - 5649
Ammerman / 100

The Humanities curriculum is designed to provide students with a rigorous introduction to the humanities as preparation for a variety of professions such as teaching, writing, law, film and communications. The curriculum attempts to balance the need for a broad background with an opportunity for an early experience in a particular branch of learning to foster greater depth of understanding.

Opportunities to explore specialized areas are offered as options in cinema studies, communications, English, foreign language and philosophy. Each option provides students with a solid background for transfer to baccalaureate programs in a chosen field.

Admission Procedures and Requirements

Entering students should have an 80 or above high school average. Students already enrolled in college should demonstrate a minimum 3.0 GPA and can be admitted fall or spring. Students who do not meet the admission criteria may be admitted on a provisional basis.

CINEMA STUDIES OPTION / 100-2

<table>
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<tr>
<th>FIRST SEMESTER: 16.5 credits</th>
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<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
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<tr>
<td>EG11: Standard Freshman Composition</td>
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<tr>
<td>ID11: Civilization: The Human Experience I or HS11: Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>** Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>*** Communications Elective</td>
<td>3</td>
</tr>
<tr>
<td>♦ CN17: Cinema Studies I: From Kinetoscopes to Kane</td>
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<table>
<thead>
<tr>
<th>SECOND SEMESTER: 16-17 credits</th>
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<tbody>
<tr>
<td>♦ EG13: Introduction to Literature</td>
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<tr>
<td>ID12: Civilization: The Human Experience II or HS12: Western Civilization II</td>
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<tr>
<td>♦ Foreign Language</td>
</tr>
<tr>
<td>♦ CN18: Cinema Studies II: From Noir to Now</td>
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<td>Cinema Studies Elective</td>
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<tr>
<td>Philosophy Elective</td>
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<tr>
<td>♦ CN21: American Cinema</td>
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<td>† American History Elective</td>
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<th>FOURTH SEMESTER: 15-16 credits</th>
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<tr>
<td>Mathematics/Laboratory</td>
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<tr>
<td>♦ CN56: The Documentary Film</td>
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<tr>
<td>‡ Restricted Social Science Elective</td>
</tr>
<tr>
<td>§ VA/MU/TH Elective</td>
</tr>
<tr>
<td>Δ Humanities Core Course</td>
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</table>

TOTAL CREDITS REQUIRED: 64.5-66.5

* Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary I/Elementary II OR Elementary II/Intermediate I OR Intermediate I/Intermediate II OR Intermediate II/any advanced-level course.

** To be selected from CO11, CO12, CO15.

*** One course: MA23, MA61 or higher.

† One course to be chosen from HS33, HS34, PO25.

‡ A social science elective that deals with non-western culture, to be chosen from the following: AN11, AN20, AN21, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90, PO40.

§ One course to be selected from the following: VA11, VA12, VA13, VA17, VA18, VA19, VA20, VA24, VA30, VA33, VA35, VA55, VA59, VA60, VA61, VA71, VA81, VA90, VA91, MU11, MU16, MU17, MU23, MU24, MU26, MU40, MU41, MU51, MU54, MU55, MU72, MU73, MU74, MU91, MU92, MU95, MU98, MU99 (MU91-99 can be used only if they add up to four credits); 1H11, 1H21, 1H22, 1H41, 1H42, 1H45.

Δ One course from the following: EG60, CO23, PL18 or HM28.

These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

Cinema Studies .................................. 15 credits
English .......................................... 6 credits
Foreign Language ................................ 6 credits
Social Sciences .................................. 12 credits
Mathematics and Science .................... 10-12 credits
Humanities ..................................... 12 credits
Freshman Seminar ............................. 1.5 credits
Physical Education ............................ 2 credits

continued on next page
COMMUNICATIONS OPTION / 100-4

FIRST SEMESTER: 16.5 credits

OS15: Freshman Seminar .......................... 1.5

• CO11: Introduction to Human Communication .......................... 3
  or CO15: Public Speaking .................................. 3
  EG11: Standard Freshman Composition .......................... 3
  • Philosophy Elective .................................. 3
  ID11: Civilization: The Human Experience I .......................... 3
  or HS11: Western Civilization I .......................... 3
  * Foreign Language .................................. 3

SECOND SEMESTER: 16-17 credits

• EG13: Introduction to Literature .................................. 3
  ** Mathematics Elective .................................. 3-4
  * Foreign Language .................................. 3
  ID12: Civilization: The Human Experience II
  or HS12: Western Civilization II .......................... 3
  • Communications Elective .................................. 3
  Physical Education .................................. 1

THIRD SEMESTER: 17 credits

Laboratory Science Elective .................................. 4

• Communications Electives (2 courses) .......................... 6

*** English Elective .................................. 3
  † American History Elective .......................... 3
  Physical Education .................................. 1

FOURTH SEMESTER: 15-16 credits

‡ Restricted Social Science Elective .................................. 3
  • Communications Elective .................................. 3
  §* VA/MU/TH Elective .................................. 3
  Mathematics/Laboratory Science Elective .................................. 3-4

Δ* Humanities Core Course .................................. 3

TOTAL CREDITS REQUIRED: 64.5-66.5

* Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary I/Elementary II or Elementary II/Intermediate I OR Intermediate I/Intermediate II OR Intermediate II/any advanced-level course.

** One course: MA23, MA61 or higher.

*** Any 3-credit English course above EG13 except EG33 or EG55.
  † One course to be chosen from HS33, HS34, PO25.
  ‡ A social science elective that deals with non-western culture, to be chosen from the following:
    AN11, AN20, AN21, AN31, AN50, AN55, AN56, AN60, AN61, AN71, AN81, AN90, AN91; MU11, MU16, MU17, MU23, MU24, MU26, MU40, MU41, MU51, MU54, MU55, MU72, MU73, MU74, MU91, MU92, MU95, MU99 (MU91-99 can be used only if they add up to four credits); TH11, TH21, TH25, TH41, TH42, TH45.

Δ One course from the following: EG60, CO23, PL18 or HM28.

• These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

Communications .................................. 15 credits
  English .................................. 9 credits
  Foreign Language .................................. 6 credits
  Social Sciences .................................. 12 credits
  Mathematics and Science .................................. 10-12 credits
  Humanities .................................. 9 credits
  Freshman Seminar .................................. 1.5 credits
  Physical Education .................................. 2 credits

ENGLISH OPTION / 100-1

FIRST SEMESTER: 16.5 credits

OS15: Freshman Seminar .......................... 1.5
  EG11: Standard Freshman Composition .................................. 3
  ID11: Civilization: The Human Experience I
  or HS11: Western Civilization I .......................... 3
  * Foreign Language .................................. 3

SECOND SEMESTER: 16-17 credits

• EG13: Introduction to Literature .................................. 3
  ** Communications Elective .................................. 3
  • Humanities Elective .................................. 3

THIRD SEMESTER: 17 credits

Laboratory Science Elective .................................. 4

• Philosophy Elective .................................. 3

Ω* English Elective .................................. 3

*** Mathematics Elective .................................. 3-4
  Physical Education .................................. 1

FOURTH SEMESTER: 15-16 credits

Δ* Humanities Core Course .................................. 3

TOTAL CREDITS REQUIRED: 64.5-66.5

* Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary I/Elementary II OR Elementary II/Intermediate I OR Intermediate I/Intermediate II OR Intermediate II/any advanced-level course.

** To be selected from CO11, CO12, CO15.
*** One course: MA23, MA61 or higher.
† One course to be chosen from HS33, HS34, PO25.
‡ A social science elective that deals with non-western culture, to be chosen from the following:
AN11, AN20, AN21, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90, PO40.
§ One course to be selected from the following:
VA11, VA12, VA13, VA17, VA18, VA19, VA20, VA24, VA30, VA33, VA35, VA55, VA59, VA60, VA61, VA71, VA81, VA90, VA91; MU11, MU16, MU17, MU23, MU24, MU26, MU40, MU41, MU51, MU54, MU55, MU72, MU73, MU74, MU91, MU92, MU95, MU98, MU99 (MU91-99 can be used only if they add up to four credits); TH11, TH21, TH25, TH41, TH42, TH45.
Ω At least one of these courses must be a literature course. EG33 or EG55 do not count as English electives.
∆ One course from EG60, CO23, PL18 or HM28.
* These courses constitute the major courses in this curriculum.
NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

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<td>Mathematics and Science</td>
<td>10-12</td>
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<td>Humanities</td>
<td>15</td>
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<td>Freshman Seminar</td>
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FOREIGN LANGUAGE OPTION / 100-5

FIRST SEMESTER: 16.5 credits

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<td>EG11: Standard Freshman Composition</td>
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<td>ID11: Civilization: The Human Experience I or HS11: Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>* Foreign Language</td>
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<td>** Communications Elective</td>
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SECOND SEMESTER: 16-17 credits

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<tr>
<td>* EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ID12: Civilization: The Human Experience II or HS12: Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>* Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>§ VA/MU/TH Elective</td>
<td>3</td>
</tr>
<tr>
<td>*** Mathematics Elective</td>
<td>3-4</td>
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THIRD SEMESTER: 17 credits

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<tr>
<td>Ω English Elective</td>
<td>3</td>
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<tr>
<td>* Philosophy Elective</td>
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<td>** Foreign Language</td>
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<td>† American History Elective</td>
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<tr>
<td>Physical Education</td>
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FOURTH SEMESTER: 15-16 credits

<table>
<thead>
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<tr>
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<tr>
<td>Mathematics/Laboratory</td>
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<tr>
<td>Science Elective</td>
<td>3-4</td>
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<tr>
<td>* Foreign Language Elective</td>
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</tr>
<tr>
<td>† Restricted Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Δ* Humanities Core Course</td>
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</tbody>
</table>

TOTAL CREDITS REQUIRED: 64.5-66.5

* Students are required to complete four semesters of foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary I/Elementary II/Intermediate I/Intermediate II/Advanced-Level courses.
** To be selected from CO11, CO12, CO15.
*** One course: MA23, MA61 or higher.
† One course to be chosen from HS33, HS34, PO25.
‡ A social science elective that deals with non-western culture, to be chosen from the following:
AN11, AN20, AN21, AN31, AN50, AN55, GY15, GY16, GY17, HS51, HS57, HS90, PO40.
§ One course to be selected from the following:
VA11, VA12, VA13, VA17, VA18, VA19, VA20, VA24, VA30, VA33, VA35, VA55, VA59, VA60, VA61, VA71, VA81, VA90, VA91; MU11, MU16, MU17, MU23, MU24, MU26, MU40, MU41, MU51, MU54, MU55, MU72, MU73, MU74, MU91, MU92, MU95, MU98, MU99 (MU91-99 can be used only if they add up to four credits); TH11, TH21, TH25, TH41, TH42, TH45.
Ω Any 3-credit English course above EG13 except EG33 or EG55.
∆ One course from EG60, CO23, PL18 or HM28.
* These courses constitute the major courses in this curriculum.
NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

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<td>Mathematics and Science</td>
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<td>Humanities</td>
<td>15</td>
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<td>Freshman Seminar</td>
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<td>Physical Education</td>
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PHILOSOPHY OPTION / 100-3

FIRST SEMESTER: 16.5 credits

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<th>Course</th>
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<td>OS15: Freshman Seminar</td>
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<tr>
<td>EG11: Standard Freshman Composition</td>
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<tr>
<td>ID11: Civilization: The Human Experience I or HS11: Western Civilization I</td>
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<tr>
<td>* Foreign Language</td>
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<tr>
<td>** Communications Elective</td>
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</tr>
<tr>
<td>† Philosophy Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

continued on next page
**SECOND SEMESTER: 16-17 credits**
- EG13: Introduction to Literature ............ 3
- ID12: Civilization: The Human Experience II 
or HS12: Western Civilization II ............ 3
- * Foreign Language ......................... 3
- †+ Philosophy Elective ................. 3
- *** Mathematics Elective .................. 3
- Physical Education .................... 1

**THIRD SEMESTER: 17 credits**
- Laboratory Science Elective ............... 4
- †+ Philosophy Electives (2 courses) .......... 6
- §+ VA/MU/TH Elective ......................... 3
- **** American History Elective ............. 3
- Physical Education .................... 1

**FOURTH SEMESTER: 15-16 credits**
- Mathematics/Laboratory Science Elective .......... 3-4
- †+ Philosophy Elective ................. 3
- Ω+ English Elective ......................... 3
- † Restricted Social Science Elective ........... 3
- ∆+ Humanities Elective ................... 3

**TOTAL CREDITS REQUIRED: 64.5-66.5**
- * Students are required to complete two semesters of a foreign language in sequence based on completion of prerequisite or fulfillment of equivalent high school placement requirements, as follows: Elementary I/Elementary II OR Elementary II/Intermediate I OR Intermediate I/Intermediate II OR Intermediate II/any advanced-level course.
- ** To be selected from CO11, CO12, CO15.
- *** One course: MA23, MA61 or higher.
- **** One course to be chosen from HS33, HS34, PO25.
- † To be chosen with advice of Philosophy Department advisor. Students enrolled in the Philosophy option must take at least one course in each of the following areas:
  - I. Reasoning (PL14: Critical Thinking; PL15: Logic)
  - II. Values (PL20: Philosophy of Art; PL23: Ethics; PL24: Biomedical Ethics; PL25: Business Ethics)
  - III. History (PL17: History of Philosophy; PL18: World Philosophies)
- ‡ A social science elective that deals with non-western culture, to be chosen from the following: AN11, AN20, AN21, AN31, AN50, AN55, GY15, GY16, PO40, GY17, HS51, HS57, HS90, PO40.
- Ω Any 3-credit English course above EG13 except EG33 or EG55.
- ∆ One course from EG60, CO23, PL18 or HM28.
- † These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

**REQUIRED CREDIT DISTRIBUTION**
- Philosophy .................................. 15 credits
- English ...................................... 9 credits
- Foreign Language ............................ 6 credits
- Social Sciences ............................. 12 credits
- Mathematics and Science ................ 10-12 credits
- Humanities ................................ 9 credits
- Freshman Seminar .......................... 1.5 credits
- Physical Education ......................... 2 credits
LIBERAL ARTS AND SCIENCES: INTERNATIONAL STUDIES EMPHASIS / A.A. DEGREE

Hegis Code - 5649
Ammerman - Eastern - Grant / 110

This curriculum is designed to prepare students for transfer to a four-year college or university to pursue a baccalaureate degree in some area of international studies. The program is part of a larger education movement which recognizes the need to respond to the globalization of the economy, the interdependence of nations and peoples, and the growth of international political institutions. Students in this program will ultimately seek careers in government or the private sector with an international orientation or emphasis.

There are three options or areas of specialization within the program: business, humanities and social science. The study of foreign languages is an important component of the program. Foreign travel and learning about foreign cultures are also encouraged.

Admission Procedures and Requirements

For entering students, the minimum requirement for admission is an 80 high school average. Students already enrolled in college need 12 credits with a 3.0 GPA or better.

FIRST SEMESTER: 17.5 Credits
OS15: Freshman Seminar .......................... 1.5
EG11: Standard Freshman Composition ............. 3
CO11: Introduction to Human Communication or CO15: Public Speaking ....................... 3
*Human Language Elective .......................... 3
CS11: Introduction to Computing .................... 4
MA23: Statistics I ................................. 3

SECOND SEMESTER: 17 Credits
EG13: Introduction to Literature .................... 3
*Foreign Language Elective .......................... 3
Laboratory Science Elective .......................... 4
AN11: Cultural Anthropology .......................... 3
Option Elective (see below) .......................... 3
Physical Education ................................. 3

THIRD SEMESTER: 16-19 credits
• Option Elective (see below) .......................... 3
EK22: Microeconomics: Prices and Markets ....... 3
• BA62: Fundamentals of International Business ... 3
*Foreign Language Elective .......................... 3
• GY15: World Regional Geography .............. 0-3
• Liberal Arts Elective ............................... 3
• Physical Education ................................. 1

FOURTH SEMESTER: 15-18 credits
• Option Elective (see below) .......................... 3
• Option Elective (see below) .......................... 3
• HS51: Major World Cultures .......................... 3
•Foreign Language Elective .......................... 0-3
**Restricted Social Science Elective .......................... 3
***International Placement .......................... 3

Business Option / 110-1
12 credits
BD57: Marketing ..................................... 3
• BD80: International Marketing ..................... 3
• BA63: Fundamentals of Exporting and Importing .......................... 3
• BA64: International Financial Management .......................... 3

Humanities Option / 110-2
12 credits
• EG60: Contemporary Global Literature .......... 3
• PL18: World Philosophies .......................... 3
††Humanities Electives (2 courses) ..................... 6

Social Science Option / 110-3
12 credits
HS11: Western Civilization I
or HS12: Western Civilization II .......................... 3
• HS22: Modern World History ....................... 3
• PO40: World Politics ............................... 3
• EK51: International Economics .......................... 3

TOTAL CREDITS REQUIRED: 65.5-71.5
* Students must complete 6-12 credits in a foreign language sequence, at least to the level of Intermediate II (i.e., FR52, GE52, IT52 and SP52). Students who enter with advanced placement beyond Intermediate II can continue with advanced course work in the same language or they can begin another foreign language sequence.
** The restricted Social Science elective must be chosen from the following: HS11, HS12, HS22, PO40, AN20, EK51.

continued on next page
Business Option students fulfill the international placement requirement with BU80. If funds or arrangements are not available, students in the Business Option may meet the requirement with business electives approved by the business administration academic chair. Students in the Humanities and Social Science Options may meet the requirement with restricted electives in their respective disciplines upon consultation with an academic advisor.

† Humanities electives must be chosen from the following: CO23, EG59, EG85, EG86, VA17, VA18, VA19, MU16, MU17, MU55.

• These courses constitute the major courses in this curriculum.

NOTES: 1) If a student has already taken all the restricted electives in an option, then he or she may take any elective in liberal arts or business to fulfill curriculum requirements. 2) This curriculum is currently not offered in its entirety at the Eastern Campus. 3) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

<table>
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<tr>
<td>English</td>
<td>6-9</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>6-12</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>12-18</td>
</tr>
<tr>
<td>Humanities</td>
<td>3-12</td>
</tr>
<tr>
<td>History</td>
<td>3-9</td>
</tr>
<tr>
<td>Mathematics and Science</td>
<td>7</td>
</tr>
<tr>
<td>Business and Computer Science</td>
<td>7-19</td>
</tr>
<tr>
<td>International Placement</td>
<td>3</td>
</tr>
<tr>
<td>Liberal Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>
LIBERAL ARTS AND SCIENCES: MATHEMATICS EMPHASIS / A.A. DEGREE

Hegis Code - 5649
Ammerman / 102-1

This curriculum is designed for students who intend to pursue studies at a four-year college in mathematics or related fields. The three-semester sequence in calculus (MA87, 88 and 89) represents the core courses of this program. The remaining electives, which will be chosen in consultation with the student’s mathematics faculty advisor, provide students the opportunity to direct their studies toward their future educational goals.

Admission Procedures and Requirements

Entering students should have an 80 high school average, with four years of math completed including Math 12. Students already enrolled in college need to have completed MA61 with a C or better. Students are admitted on a rolling basis, fall and spring. Most students who meet minimum requirements will be admitted. Note that students who do not meet the admission criteria may be admitted on a provisional basis.

SUGGESTED FIRST-YEAR PROGRAM:

33.5 credits

OS15: Freshman Seminar ............1.5 --
EG11: Standard Freshman
Composition and
EG13: Introduction to Literature . .3 3
Social Science Electives ..........3 3
Humanities Elective ..............3 --
* MA87: Calculus with Analytic
  Geometry I .....................4 --
* MA88: Calculus with Analytic
  Geometry II ..................4 --
* Science Elective .................4 --
Liberal Arts and Sciences Elective .3 --
Physical Education .............1 1

SUGGESTED SECOND-YEAR PROGRAM:

32-34 credits

** History Elective .................3 3
Humanities Electives ............3 3
* Science Elective .................4 --
* MA89: Calculus with Analytic
  Geometry III ..................4 --
*** Mathematic Electives ..........3-4 3-4
Liberal Arts and Sciences Elective .3 6

TOTAL CREDITS REQUIRED 65.5-67.5

* Recommended: PH71, 72, 73, 74 or CH33-34
** To be selected from: HS11, HS12, HS22, HS33,
  HS34, HS51, HS57, HS90.
*** Students must complete MA90 or MA93.
* These courses constitute the major courses in
  this curriculum.

NOTE: Students planning to transfer to a SUNY four-
year institution should check the SUNY core General
Education requirements on page 88 of this catalog for
information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

English ........................................6 credits
Humanities ....................................9 credits
Social Sciences ................................9 credits
Science .......................................8 credits
Mathematics ..............................18-20 credits
Liberal Arts and Sciences .............12 credits
Freshman Seminar .....................1.5 credits
Physical Education .....................2 credits
**LIBERAL ARTS AND SCIENCES: SCIENCE EMPHASIS / A.S. DEGREE**

**Hegis Code - 5649**  
**Ammerman - Eastern - Grant / 200**

*Admission Procedures and Requirements*

Entering students must have a minimum high school average of 80 including three years each of science and Mathematics A and B. Students already enrolled in college need MA27. Students are admitted on a rolling basis, fall and spring, with most students who meet minimum standards admitted.

NOTE: Upper-level science courses are currently not offered at the Eastern Campus on a regular basis. Eastern Campus science students may be required to complete the upper-level science sequence at the Ammerman Campus.

**BIOLOGY OPTION**  
**AMMERMAN-EASTERN-GRANT / 200-1**

This option is designed for students planning a career in medicine, dentistry, pharmacy, scientific research, applied science, environmental science or the teaching of science in schools and colleges. Upon successful completion of this program, graduates usually transfer as juniors to four-year colleges where they complete the baccalaureate degree before proceeding to graduate school and professional study in their chosen field.

**Credits**  
**SUBJECT AREA***

<table>
<thead>
<tr>
<th>Credits</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>OS15: Freshman Seminar</td>
</tr>
<tr>
<td>6</td>
<td>ENGLISH</td>
</tr>
<tr>
<td></td>
<td>EG11: Standard Freshman Composition and EG13: Introduction to Literature</td>
</tr>
<tr>
<td>9</td>
<td>HUMANITIES</td>
</tr>
<tr>
<td></td>
<td>Three humanities electives</td>
</tr>
<tr>
<td>9</td>
<td>SOCIAL SCIENCE</td>
</tr>
<tr>
<td></td>
<td>Three social science electives, including one history elective to be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90</td>
</tr>
<tr>
<td>8</td>
<td>MATHEMATICS</td>
</tr>
<tr>
<td></td>
<td>MA88 must be satisfactorily completed</td>
</tr>
<tr>
<td>2</td>
<td>PHYSICAL EDUCATION</td>
</tr>
<tr>
<td></td>
<td>BY50 and BY52 should be taken first and then at least one other course selected from the following: BY20, 62, 69, 70, 72</td>
</tr>
<tr>
<td>*12</td>
<td>BIOLOGY</td>
</tr>
<tr>
<td></td>
<td>CH33-34: College Chemistry I and College Chemistry II</td>
</tr>
<tr>
<td>*14-18</td>
<td>LIBERAL ARTS/SCIENCE</td>
</tr>
<tr>
<td></td>
<td>Either CH55-56 or PH53-54 or PH71-74 must be included in these electives</td>
</tr>
</tbody>
</table>

**NOTE:** CH55-56 and PH71-74 are not offered on the Eastern and Grant campuses; PH53-54 are not offered on the Eastern Campus.

**TOTAL CREDITS:** 69.5-73.5

**ENVIRONMENTAL SCIENCE/FORESTRY OPTION**  
**AMMERMAN-EASTERN-GRANT / 200-2**

This option is designed for, but not limited to, students intending to transfer to the SUNY College of Environmental Science and Forestry at Syracuse to major in Environmental Resource Management. Students who wish to pursue careers in landscape architecture, environmental planning or environmental analysis should consult an Environmental Science faculty advisor.

**Credits**  
**SUBJECT AREA***

<table>
<thead>
<tr>
<th>Credits</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>OS15: Freshman Seminar</td>
</tr>
<tr>
<td>6</td>
<td>ENGLISH</td>
</tr>
<tr>
<td></td>
<td>EG11: Standard Freshman Composition and EG21: Technical Writing</td>
</tr>
<tr>
<td>9</td>
<td>HUMANITIES</td>
</tr>
<tr>
<td></td>
<td>CO11: Introduction to Human Communication and two humanities electives</td>
</tr>
<tr>
<td>9</td>
<td>SOCIAL SCIENCE</td>
</tr>
<tr>
<td></td>
<td>Three social science electives, to be selected from SO11, PO20, EK21, EK22, and one history elective to be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57 and HS90</td>
</tr>
<tr>
<td>8</td>
<td>MATHEMATICS</td>
</tr>
<tr>
<td></td>
<td>MA88 must be satisfactorily completed</td>
</tr>
<tr>
<td>2</td>
<td>PHYSICAL EDUCATION</td>
</tr>
<tr>
<td></td>
<td>BY20, BY50-52, CH33-34, PH71-72, PH73-74, SE28</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED:** 66.5

**CHEMISTRY OPTION**  
**AMMERMAN / 200-3**

This option is designed for students planning a career in medicine, dentistry, pharmacy, scientific research, applied science or the teaching of science in schools and colleges. Upon successful completion of this program, graduates usually transfer as juniors to four-year colleges where they pursue a baccalaureate degree before proceeding to graduate school and professional study in their chosen field.
<table>
<thead>
<tr>
<th>Credits</th>
<th>SUBJECT AREA*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>OS15: Freshman Seminar</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>ENGLISH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EG11: Standard Freshman Composition and EG13: Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>HUMANITIES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Three humanities electives</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>SOCIAL SCIENCE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Three social science electives, including one history elective to be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57 and HS90</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>MATHEMATICS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MA88 must be satisfactorily completed</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PHYSICAL EDUCATION</td>
<td></td>
</tr>
<tr>
<td>•18</td>
<td>CH33-CH34, CH55-CH56</td>
<td></td>
</tr>
<tr>
<td>•14-16</td>
<td>LIBERAL ARTS/SCIENCE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PH71-74 must be included in these electives</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** CH55-56 and PH71-74 are not offered on the Eastern and Grant Campuses.

**TOTAL CREDITS REQUIRED:** 67.5-69.5

### EARTH AND SPACE SCIENCE OPTION AMMERMAN

This option is for students planning a career in scientific research, applied science or the teaching of science in schools and colleges. Upon successful completion of this program, graduates usually transfer as juniors to four-year colleges where they pursue the baccalaureate degree before proceeding to graduate school and professional study in their chosen field. Separate sequences are offered in astronomy, geology and meteorology, as described below.

#### REQUIRED CORE COURSES

<table>
<thead>
<tr>
<th>Credits</th>
<th>SUBJECT AREA*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>OS15: FRESHMAN SEMINAR</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>ENGLISH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EG11: Standard Freshman Composition and EG13: Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>HUMANITIES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Three humanities electives</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>SOCIAL SCIENCE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Three social science electives, including one history elective to be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57 and HS90</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>MATHEMATICS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MA88 must be satisfactorily completed</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PHYSICAL EDUCATION</td>
<td></td>
</tr>
<tr>
<td>•12-14</td>
<td>LIBERAL ARTS/SCIENCE</td>
<td></td>
</tr>
<tr>
<td>•16-24</td>
<td>SCIENCE (see sequences below)</td>
<td></td>
</tr>
</tbody>
</table>

#### ASTRONOMY SEQUENCE / 200-4

- ES21, 22, 57
- PH71-72 (MA87 must be completed first)
- PH73-74 (MA88 and PH71-72 must be completed first)

#### GEOLOGY SEQUENCE / 200-6

- CH33-34, ES15-16, PH53-54

#### METEOROLOGY SEQUENCE / 200-7

- ES17-18
- PH71-72 (MA87 must be completed first)
- PH73-74 (MA88 and PH71-72 must be completed first)

**NOTE:** PH53-54 and PH71-74 are not offered on the Eastern Campus; ES18 and PH71-74 are not offered on the Grant Campus.

**TOTAL CREDITS REQUIRED:** 63.5-73.5

### PHYSICS OPTION AMMERMAN / 200-5

The Physics Option is for students planning a career in scientific research, applied science or science teaching. Graduates of this program usually transfer as juniors to four-year colleges where they pursue the baccalaureate degree before proceeding to graduate school and professional study in their chosen field.

<table>
<thead>
<tr>
<th>Credits</th>
<th>SUBJECT AREA*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>OS15: FRESHMAN SEMINAR</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>ENGLISH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EG11: Standard Freshman Composition and EG13: Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>HUMANITIES</td>
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<tr>
<td></td>
<td>Three humanities electives</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>SOCIAL SCIENCE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Three social science electives, including one history elective to be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57 and HS90</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>MATHEMATICS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MA87-88-89-90</td>
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</tr>
<tr>
<td>2</td>
<td>PHYSICAL EDUCATION</td>
<td></td>
</tr>
<tr>
<td>•16</td>
<td>PHYSICS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PH71-72 (MA87 must be completed first)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PH73-74 (MA88 and PH71-72 must be completed first)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PH75-76 (MA90 and PH73-74 must be completed first; MA89 is a corequisite)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PH77-78 (PH75-76 are corequisites)</td>
<td></td>
</tr>
<tr>
<td>•9-11</td>
<td>LIBERAL ARTS/SCIENCE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recommended Electives: EN19, EN47, CH33-34</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED:** 68.5-70.5

### BIOTECHNOLOGY OPTION AMMERMAN / 200-8

This option is designed to prepare students for careers in biotechnology. Upon completion of this program graduates will be able to work in a modern biotechnology research or production laboratory such as those found in colleges and universities or private industry. The program is designed to provide academic and hands-on experience in a broad variety of techniques that students encounter in the workplace. In

**continued on next page**
addition, students will be able to transfer to a variety of four-year colleges and universities where they can complete their bachelor of science degree in biology or biotechnology.

**Credits**

<table>
<thead>
<tr>
<th>SUBJECT AREA*</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>OS15: FRESHMAN SEMINAR</td>
</tr>
<tr>
<td>6</td>
<td>ENGLISH EG1: Standard Freshman Composition and EG13: Introduction to Literature</td>
</tr>
<tr>
<td>9</td>
<td>HUMANITIES CO11 and two humanities electives (EG21: Technical Writing is highly recommended)</td>
</tr>
<tr>
<td>9</td>
<td>SOCIAL SCIENCE Two social science electives and one history elective to be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57 and HS90</td>
</tr>
<tr>
<td>7-8</td>
<td>MATHEMATICS MA88 must be completed. MA23 is strongly recommended.</td>
</tr>
<tr>
<td>2</td>
<td>PHYSICAL EDUCATION</td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>CHEMISTRY CH33, CH45</td>
</tr>
<tr>
<td>*12</td>
<td>BIOLOGY BY50, BY62, BY72</td>
</tr>
<tr>
<td>*14</td>
<td>BIOTECHNOLOGY BY67, BY69, BT20, BT40, BT41</td>
</tr>
<tr>
<td>*3</td>
<td>BIOTECHNOLOGY INTERNSHIP BT56</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 71.5-72.5

* Many courses have prerequisites (courses or skills that must be completed or attained). These prerequisites, which must be completed before a course is taken, are listed in the course descriptions.

** Students already enrolled in college should already have completed CH19 or CH29.

• These courses constitute the major courses in this curriculum.

**NOTES:** 1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

**REQUIRED CREDIT DISTRIBUTION**

<table>
<thead>
<tr>
<th>SUBJECT AREA</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>9</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>7-16</td>
</tr>
<tr>
<td>Biology</td>
<td>0-20</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>0-17</td>
</tr>
<tr>
<td>Chemistry</td>
<td>0-18</td>
</tr>
<tr>
<td>Earth and Space Science</td>
<td>0-12</td>
</tr>
<tr>
<td>Physics</td>
<td>0-16</td>
</tr>
<tr>
<td>Engineering</td>
<td>0-9</td>
</tr>
<tr>
<td>Environment</td>
<td>0-3</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

**LIBERAL ARTS AND SCIENCES: SOCIAL SCIENCE EMPHASIS / A.A. DEGREE**

Hegis Code - 5649
Ammerman - Eastern - Grant / 101

This program is for students who plan careers in such areas as law, government, social work, teaching social studies on the secondary level, or who plan to major in history, political science, psychology, sociology or economics when they transfer to a four-year institution to complete the requirements for the baccalaureate degree.

**Admission Procedures and Requirements**

Entering students should have a minimum high school average of 80 with Mathematics A completed. Students already enrolled in college should have completed MA06 or MA07. Students are admitted on a rolling basis with most students meeting minimum standards admitted. Note that students who do not meet the admission criteria may be admitted on a provisional basis.

**SUGGESTED FIRST-YEAR PROGRAM:**

<table>
<thead>
<tr>
<th>Credits Each Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>34.5-35.5 credits</td>
</tr>
<tr>
<td>OS15: Freshman Seminar</td>
</tr>
<tr>
<td>EG11 and EG13</td>
</tr>
<tr>
<td>HS11 and HS12 or ID11 and ID12</td>
</tr>
<tr>
<td>* Foreign Language</td>
</tr>
<tr>
<td>Social Science Option Courses</td>
</tr>
<tr>
<td>** MA23: Statistics</td>
</tr>
<tr>
<td>** Laboratory Science Elective</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
</tbody>
</table>

**SUGGESTED SECOND-YEAR PROGRAM:**

<table>
<thead>
<tr>
<th>Credits Each Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>31-33 credits</td>
</tr>
<tr>
<td>English Electives</td>
</tr>
<tr>
<td>CO11, CO12 or CO15</td>
</tr>
<tr>
<td>CS11: Introduction to Computing</td>
</tr>
<tr>
<td>** Science or Mathematics Electives</td>
</tr>
<tr>
<td>Social Science Option Courses</td>
</tr>
<tr>
<td>** Social Science Electives</td>
</tr>
</tbody>
</table>
OPTIONS

Each of the options listed below allows the student the opportunity to focus on and explore a particular social science. By selecting an option, the student is afforded the opportunity to gain both a level of depth traditionally associated with the first two years of college and to acquire the necessary background to transfer to a four-year college as a major. All students enrolling in the curriculum must select an option.

PSYCHOLOGY OPTION1 / 101-1
Semester I Semester II Semester III Semester IV
PC11 PC60 PC80 PC elective

SOCIOLOGY/ANTHROPOLOGY OPTION / 101-2
Semester I Semester II Semester III Semester IV
SO11 AN11 or AN21 SO33 SO/AN elective

HISTORY OPTION / 101-3
Semester I Semester II Semester III Semester IV
HS33 HS34 GY15 HS/PO/GY elective

POLITICAL SCIENCE OPTION2 / 101-4
Semester I Semester II Semester III Semester IV
PO15 PO25 PO40 PO elective

ECONOMICS OPTION3 / 101-5
Semester I Semester II Semester III Semester IV
EK21 EK22 EK55 EK/PO elective

TOTAL CREDITS REQUIRED: 65.5-68.5

* Students must complete Foreign Language 12 or equivalent. Those who place out of Foreign Language 12 (FR12, FR13, GE12, IT12, IT13, SP12 or SP13) must, in consultation with an advisor, choose from any of the following courses:
  - FR (French, intermediate level)
  - GE (German, intermediate level)
  - IT (Italian, intermediate level)
  - SP (Spanish, intermediate level)
  - SL10 (American Sign Language I)
  - Any humanities course

** Students must complete four semester-length courses in science and mathematics, including at least one 4-credit laboratory science course. The third and fourth courses may be in either science or mathematics. No portion of this category may be satisfied by MA01, MA06 or MA07.
  1 It is recommended that students enrolled in the Psychology Option take BY14 and MA36 as their math/science electives.
  2 It is recommended that students enrolled in the Political Science Option take MA36 as one of their math/science electives.
  3 It is recommended that students enrolled in the Economics Option take MA36 and MA64 as their math/science electives. Please note that MA61 is a prerequisite for MA64.

• These courses constitute the major courses in this curriculum.

NOTES: 1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses. 2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

REQUIRED CREDIT DISTRIBUTION
English ........................................... 12 credits
Foreign Language, Humanities and/or American Sign Language ........ 9-10 credits
Computer Science ......................... 4 credits
Mathematics and Science ................. 13-15 credits
Social Science .............................. 24 credits
Freshman Seminar ....................... 1.5 credits
Physical Education ....................... 2 credits
LIBERAL ARTS AND SCIENCES: WOMEN'S STUDIES
EMPHASIS / A.A. DEGREE

Hegis Code - 5622
Ammerman / 109-1

This program provides a sequential course of study for all students interested in learning about the achievements of women; the images of women conveyed by the arts, philosophy and language; the needs of women in the twenty-first century; and the ideas that encompass our society’s rapidly changing expectations for women and men. Students will also receive a general education and begin studies in another specialized area. In addition to providing personal enrichment, this program will assist students in embarking on a career or help them discover related areas of interest to pursue at a four-year college.

Students should discuss their educational and career plans with a designated counselor or faculty advisor.

FIRST SEMESTER: 17.5-18.5 credits  Credits

* WS12: Women’s Seminar ................. 1.5
* EG11: Standard Freshman Composition ... 3
* CO11: Introduction to Human Communication
  or CO12: Interpersonal Communication
  or CO15: Public Speaking .................. 3
* ID11: Civilization: The Human Experience I
  or HS11: Western Civilization I ............ 3
* HM46: Sexism and the Humanities ............ 3
* Mathematics Elective .......................... 3-4
* Physical Education ............................ 1

SECOND SEMESTER: 17 credits

* EG13: Introduction to Literature ............ 3
* Laboratory Science Elective .................. 4
* ID12: Civilization: The Human Experience II
  or HS12: Western Civilization II ............ 3
* PL32: Philosophy of Human Liberation ....... 3
* Social Science Elective ...................... 3
* Physical Education ............................ 1

THIRD SEMESTER: 15-16 credits

* Restricted Humanities Elective .............. 3
* Restricted Social Science Elective ............ 3
* Mathematics/Science Elective .............. 3-4
* Unrestricted Elective ..................... 3
* VA/MU/TH Elective ........................... 3

FOURTH SEMESTER: 15-16 credits

English Elective (excluding
  EG33 and EG55) ............................... 3
* Mathematics/Science Elective .............. 3-4
* Humanities Elective ....................... 3

*** SO55: Sociology of Gender
  or HS38: Women’s Role in American History
  or SO55: Sociology of Gender .............. 3
* Unrestricted Elective ...................... 3

TOTAL CREDITS REQUIRED: 64.5-67.5

* Elective must be selected from the following:
  HM44, HM48, HM49, HM52, HM60.

** A social science elective that deals with non-western culture, to be chosen from the following:
  AN11, AN20, AN21, AN31, AN30, AN55, AN15, AN16, AN17, HS51, HS57, HS90, PO40.

*** SO11 is a prerequisite for SO55. Students who plan to take SO55 should also plan to take SO11 in one of the preceding semesters. SO11 could be taken as the Social Science elective in the second semester or as an Unrestricted elective in the third semester.

* These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

REQUIRED CREDIT DISTRIBUTION

English ........................................... 9 credits
Social Science .................................. 12 credits
Women’s Studies .............................. 12 credits
Mathematics/Science ....................... 13-16 credits
Communications ............................. 3 credits
Visual Art/Music/Theatre .................... 3 credits
Humanities ..................................... 3 credits
Unrestricted Electives ....................... 6 credits
Women’s Seminar ............................ 1.5 credits
Physical Education .......................... 2 credits
**MUSIC / A.S. DEGREE**

**Hegis Code - 5610**
**Ammerman / 206-1**

This program is designed for students wishing to pursue a career in music. Graduates will have a solid foundation in music theory, aural skills, piano, history and performance that will enable them to transfer to a four-year college music program.

**FIRST SEMESTER: 18.5-19.5 Credits**
- OS15: Freshman Seminar ..................... 1.5
- EG11: Standard Freshman Composition .......... 3
- * MU26: Aural Skills I ....................... 3
- * MU41: Music Theory I ...................... 3
- * MU87: Piano I ............................... 2
- ** Performance Ensemble ................... 2
- Math Elective .................................. 3-4
- Physical Education .............................. 1

**SECOND SEMESTER: 18 credits**
- EG13: Introduction to Literature .............. 3
- * MU27: Aural Skills II ...................... 3
- * MU42: Music Theory II ..................... 3
- * MU88: Piano II ............................... 2
- ** Performance Ensemble ................... 2
- Lab Science Elective ........................... 4
- Physical Education .............................. 1

**THIRD SEMESTER: 18 credits**
- * MU16: Music History I .................... 3
- * MU28: Aural Skills III ...................... 3
- * MU43: Music Theory III .................... 3
- Humanities Elective .......................... 3
- Social Science Elective ........................ 3
- *** History Elective ............................ 3

**FOURTH SEMESTER: 15 credits**
- * MU17: Music History II .................... 3
- * MU29: Aural Skills IV ...................... 3
- * MU44: Music Theory IV .................... 3
- Humanities Elective .......................... 3
- Social Science Elective ........................ 3

**TOTAL CREDITS REQUIRED: 69.5-70.5†**

* Students with extensive piano background may apply to have MU87 and MU88 waived and, with approval of the Music Department, substitute another music course.

** Students must successfully complete at least two performance courses.

*** To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90.

† Each music major is required to take a minimum of 10 private lessons per semester without credit on his/her major instrument/voice. A performance examination is given at the end of each of four semesters. Examinations must be passed to qualify for the music degree.

These courses constitute the major courses in this curriculum.

**NOTES:**
1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.
2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

**REQUIRED CREDIT DISTRIBUTION**
- English ........................................... 6 credits
- Humanities ...................................... 6 credits
- Social Science .................................. 9 credits
- Math/Science .................................... 7-8 credits
- Music ........................................... 38 credits
- Physical Education ............................. 2 credits
- Freshman Seminar ............................... 1.5 credits

**NOTE:** The following performance ensembles are open to all students and do NOT require matriculation in the music curriculum. Each ensemble is 2 credits.
- MU62: Gospel Choir (requires MU92: College Choir as a corequisite)
- MU91: Symphonic Band
- MU92: College Choir
- MU93: Suffolk Singers (requires MU92: College Choir as a corequisite)
- MU95: Jazz Ensemble
- MU98: College Orchestra
- MU99: Guitar Ensemble

The following ensemble is restricted to students matriculated in the music curriculum:
- MU94: Contemporary Music Ensemble (2 credits)
NURSING / A.A.S. DEGREE

Hegis Code - 5208-10
Ammerman Day Program / 308-1
Ammerman Advanced Placement Day Program / 308-2
Ammerman Evening Program / 338-1
Grant Day Program / 348-1
Grant Evening Program / 347-1

This program leads to the Associate in Applied Science degree. A graduate of this program is eligible to take the NCLEX-RN examination for licensure as a Registered Professional Nurse.

The National League for Nursing Accrediting Commission (NLNAC) has accredited the Nursing Program on the Ammerman and Grant campuses. NLNAC can be reached at The National League for Nursing Accrediting Commission, 61 Broadway, New York, NY 10006; phone (800) 669-1656 extension 153 or (212) 363-5555/Fax (212) 812-0390; Web site at http://www.nlnac.org.

Admission Procedures and Requirements

Prospective nursing students are advised to attend a Nursing Information Seminar. For further information contact the campus Admissions Office for dates and times.

The day programs begin in the fall semester. The Ammerman evening program begins in the fall semester. The Grant evening program begins in the spring semester. LPNs admitted to the one-year program with advanced placement begin in the 8-week summer session. The evening program is three years. Licensed Practical Nurses may enter the day or evening program and challenge NR20.

The nursing program is highly competitive. Meeting minimum criteria for admission does not guarantee acceptance to the program. The college reserves the right to make final decisions based upon the applicant pool each year.

- Filing deadline for all day nursing programs is January 1. Filing deadline for Ammerman evening and summer advanced placement programs is January 1. Filing deadline for the Grant evening program is June 1. All supporting documentation must be received by January 31 for all Ammerman programs and Grant day program, or June 30 for the Grant evening program.
- An applicant coming directly from high school must meet the following minimum requirements for admission consideration: an 80 academic average, an 80 in Regents biology and Regents chemistry (exam and course average), Mathematics A or its equivalent, and a score of 21 on the ACT (or SAT equivalent).
- An applicant already enrolled in college must meet the following minimum requirements for admission consideration: completion of EG11, PC11, SO11 and BY30 with a cumulative average of 3.0 or better. BY32 must be completed prior to entrance into the evening program. All science courses (BY30, BY32 and BY44) must have been completed within 10 years of application submission. It is strongly recommended that students complete BY32 and BY44 prior to entrance into the nursing program. Completion of non-nursing courses prior to entrance into the program facilitates progress in the nursing program.
- Licensed Practical Nurses seeking admission to the advanced placement program must meet the following minimum requirements: an average of 3.0 or better in EG11, PC11, SO11 and BY30. BY32 and an English elective must be completed prior to admission. It is strongly recommended that students complete BY44 as well. NR20 (Fundamentals of Nursing) must be challenged by taking the Excelsior College Examinations (previously known as Regents College Examinations) in Fundamentals of Nursing or Nursing Concepts 1 and Nursing Concepts 2. A minimum passing score of C must be earned. Fundamentals of Nursing or Nursing Concepts 1 and Nursing Concepts 2 must have been taken within 5 years of application for admission. For information regarding the challenge examination(s), contact Excelsior College Examinations at (888) 647-2388 or http://www.excelsior.edu. Any nursing student currently a Licensed Practical Nurse may challenge the first clinical nursing course (NR20) and, if successful, does not have to be in the summer advanced placement program.
- Licensed Practical Nurses who have been formally accepted into the one-year advanced placement program are required to take NR29 during the summer. All other nursing courses
are required, including NR75 and NR23 but excluding NR33 and NR36. Licensed Practical Nurses anticipating admission to the advanced standing program can, with permission of the Academic Chair of the Nursing Department, take non-clinical nursing courses (NR15 and NR23).

PLEASE NOTE: A prerequisite of high school chemistry and Mathematics A or their equivalent are required for BY30. (CH19 is recommended for those without high school chemistry and MA06 or MA07 is recommended for those without Mathematics A.) A minimum grade of C must be earned for BY30, 32 and 44.

Please note the following general information items about the nursing program:

- Nursing courses require that students travel to a wide variety of hospitals and community agencies throughout Suffolk County.
- In addition to college health requirements, all full-time and part-time nursing students must meet the health requirements of the Nursing Department. These health requirements include an annual physical examination and proof of immunity. In addition students must provide proof of successful completion of an American Heart Association Basic Life Support for Healthcare Providers course or an American Red Cross CPR (CardioPulmonary Resuscitation) for Professional Rescuers course, which must be submitted and maintained throughout each nursing course. CPR online courses will not be accepted. Failure to meet the above requirements will result in suspension from clinical laboratory until all requirements are met.
- Students admitted to the nursing program may be permitted to register for fewer than 12 credits provided they meet the prerequisite and corequisite courses in the nursing curriculum.
- Students must achieve a minimum passing grade of C in each science course (BY30, BY32 and BY44) and all nursing courses with a fieldwork (clinical) component in order to progress to the next course in the sequence and to qualify for graduation. Students who receive grades less than C or receive a W in any nursing class must repeat the course. Only one repeat of one nursing course is permitted. Students who receive grades less than C in two clinical nursing courses will be dismissed from the program. If a student is failed from a clinical nursing course due to failure in the clinical portion of the course, they will receive an F for that course regardless of the time in the semester this failure occurs.
- Once students have entered the nursing program, they will have a maximum of four years to complete the nursing sequence. Once students have entered the nursing evening program, they will have a maximum of five years to complete the nursing sequence.
- Applicants to the nursing program may submit one CLEP or similar standardized test score in fulfillment of the EG11, PC11 or SO11 prerequisite. The CLEP score will not be computed as part of the grade point average for purposes of admission decisions. For students who submit more than one CLEP score, one score will be converted to a letter equivalent and computed as part of the grade point average.
- Eligibility to sit for the licensing examination to become a Registered Nurse is subject to New York State law regarding professional misconduct. Applicants for the nursing program who have been convicted of a crime, or whose practice of nursing may be impaired by alcohol, drugs, physical or mental disability, must contact the State Education Department, Division of Professional Licensing Service.

Ammerman Day Program / 308-1
Ammerman Advanced Placement Day Program / 308-2

FIRST SEMESTER: 18.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>CT*</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR15: Seminar for Nursing Students</td>
<td>1.5</td>
<td>–</td>
<td>–</td>
<td>1.5</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
<td>3</td>
<td>–</td>
<td>–</td>
<td>3</td>
</tr>
<tr>
<td>BY30: Anatomy and Physiology I</td>
<td>3</td>
<td>–</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>**‡ NR20: Fundamentals of Nursing **</td>
<td>4</td>
<td>6</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>**‡ NR23: Health Assessment **</td>
<td>2</td>
<td>–</td>
<td>2</td>
<td>3</td>
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</tbody>
</table>

SECOND SEMESTER: 19 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Cr.</th>
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</thead>
<tbody>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
<td>–</td>
</tr>
<tr>
<td>SO11: Introduction to Sociology</td>
<td>3</td>
<td>–</td>
</tr>
<tr>
<td>BY32: Anatomy and Physiology II</td>
<td>3</td>
<td>–</td>
</tr>
<tr>
<td>+‡ NR33: Adult Health Nursing</td>
<td>2.5</td>
<td>5</td>
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<tr>
<td>+‡ NR36: Adult Mental Health Nursing</td>
<td>2.5</td>
<td>5</td>
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</table>

SUMMER SESSION (8 weeks): 9 credits

(Advanced Placement students only).

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Cr.</th>
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</thead>
<tbody>
<tr>
<td>**‡‡ NR29: Nursing</td>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>

continued on next page
THIRD SEMESTER: 19 credits
PC60: Developmental Psychology .................. 3 - -
BY44: General Microbiology .................. 3 - 4 4
*** NR23: Health Assessment .................. 2 - 2 3
* NR40: Adult Health Nursing II .................. 5 10 - 8
*** NR75: Nursing: Past, Present and Future .... 1 - - 1
English Elective .................. 3 - - 3
Physical Education ............... - - 2 1

FOURTH SEMESTER: 16 credits
Humanities Elective .................. 3 - - 3
† Restricted Elective .................. 3 - - 3
* NR46: Child Health Nursing .................. 2.5 5 - 4
* NR48: Maternal/Child Health Nursing .................. 2.5 5 - 4
* NR75: Nursing: Past, Present and Future .... 1 - - 1
Physical Education ............... - - 2 1

TOTAL CREDITS REQUIRED: 72.5

* Clinical teaching
** Open only to LPNs who have been formally accepted into the Advanced Placement program.
*** Required only for Advanced Placement students.
† Not required for Advanced Placement students.
‡ Restricted elective: Social Science, Math or HC44. Contact Nursing Department to discuss alternatives.
* These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Nursing .................. 37.5 credits
English .................. 6 credits
Biology .................. 12 credits
Social Sciences .................. 9 credits
Humanities .................. 3 credits
Restricted Elective .................. 3 credits
Physical Education ............... 2 credits

Grant Day Program / 348-1

FIRST SEMESTER: 19.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>CT*</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR15: Seminar for Nursing Students</td>
<td>1.5</td>
<td>-</td>
<td>-</td>
<td>1.5</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>BY30: Anatomy and Physiology I</td>
<td>3</td>
<td>-</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>NR20: Fundamentals of Nutrition</td>
<td>4</td>
<td>6</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>NR23: Health Assessment</td>
<td>2</td>
<td>-</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

SECOND SEMESTER: 19 credits
EG11: Standard Freshman Composition .................. 3 - - 3
SO11: Introduction to Sociology .................. 3 - - 3
BY32: Anatomy and Physiology II .................. 3 - 3 4
* NR33: Adult Health Nursing I .................. 2.5 5 2 5
* NR36: Adult Mental Health Nursing .................. 2.5 5 - 4

THIRD SEMESTER: 16 credits
PC60: Developmental Psychology .................. 3 - - 3
BY44: General Microbiology .................. 3 - 4 4
* NR46: Child Health Nursing .................. 2.5 5 - 4
* NR48: Maternal/Child Health Nursing .................. 2.5 5 - 4
Physical Education ............... - - 2 1

FOURTH SEMESTER: 18 credits
Humanities Elective .................. 3 - - 3
English Elective .................. 3 - - 3
Unrestricted Elective .................. 3 - - 3
* NR40: Adult Health Nursing II .................. 5 10 - 8
* NR75: Nursing: Past, Present and Future .... 1 - - 1

TOTAL CREDITS REQUIRED: 72.5

* Clinical teaching
* These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Nursing .................. 37.5 credits
English .................. 6 credits
Biology .................. 12 credits
Social Sciences .................. 9 credits
Humanities .................. 3 credits
Unrestricted Elective .................. 3 credits
Physical Education ............... 2 credits

Ammerman Evening Program / 338-1
Grant Evening Program / 347-1

FIRST SEMESTER: 8.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>CT*</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR15: Seminar for Nursing Students</td>
<td>1.5</td>
<td>-</td>
<td>-</td>
<td>1.5</td>
</tr>
<tr>
<td>NR20: Fundamentals of Nutrition</td>
<td>4</td>
<td>6</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

SECOND SEMESTER: 11 credits
* NR23: Health Assessment .................. 2 - 2 3
* NR33: Adult Health Nursing I .................. 2.5 5 2 5
English Elective .................. 3 - - 3

THIRD SEMESTER: 7 credits
PC60: Developmental Psychology .................. 3 - - 3
* NR36: Adult Mental Health Nursing .................. 2.5 5 - 4
The Occupational Therapy Assistant program is a two-year program that educates people for employment in the occupational therapy field of health care. An occupational therapy assistant (OTA) works under the supervision of a registered occupational therapist (OTR) as part of a health care team. The OTA works to restore and enhance the health of clients by facilitating occupation – the performance of purposeful activity in work, play and self-care.

Occupational therapy assistants help people perform activities that are meaningful to their lives. They work with individuals facing problems resulting from developmental impairment, physical disabilities, psychological impairment and aging. The OTA graduate can expect to find employment in diverse settings such as schools, hospitals, home settings, rehabilitation centers, day and residential treatment centers, community-based mental health centers, assisted living centers and many others.

The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA). AOTA is located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. ACOTE may be reached by telephone at (301) 652-2682.

Graduates are qualified for New York State certification without examination. They are also eligible to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). Information about state licensure may be obtained from the New York State Education Department, Office of the Professions, Division of Professional Licensing Services, State Education Building - 2nd Floor, 89 Washington Avenue, Albany, New York 12234. See footnote for additional information regarding licensure.

The OTA curriculum provides students with classroom, laboratory and fieldwork experience so that they understand the responsibilities of the profession and develop necessary skills to practice it. Students must achieve a minimum grade of C in each occupational therapy assistant course in order to continue on to the next course in the sequence and to qualify for graduation with an occupational therapy assistant degree. Students are permitted to repeat only one OA course. Once students have entered the occupational therapy assistant curriculum, they will have a maximum of four years to complete the sequence.

Students are required to complete Level I Fieldwork as part of the class work for Occupational Therapy Media and Applications I, II and III. Students travel to community settings for Level I Fieldwork experiences outside of scheduled class times. The level II Fieldwork component, Clinical Practice I and II, consists of a minimum of 16 weeks of full-time work in a practice setting.
Students have in-depth experiences in delivering occupational therapy services to clients with a variety of ages and conditions. Fieldwork for Clinical Practice I or Clinical Practice II may be delayed by mutual agreement between the college and the student. The American Occupational Therapy Association requires that all fieldwork be completed within 18 months of the completion of the academic portion of the program. If fieldwork is delayed, the date of graduation will be delayed accordingly.

**Note:** Students are required to attend a 10-week summer session after successfully completing the first academic year of the program. The summer course is offered only in this sequence and is a requirement for continuation as a third-semester student and for graduation within the stated timeline.

**Admission Requirements and Procedures**

Entering students must have successfully completed high school Mathematics A, laboratory biology and laboratory chemistry (B average) and have a high school average of 80 or higher.

For students already enrolled in college, minimum requirements for consideration for admission are completion of EG11, BY30 and PC11 with an average of 3.0 or better. *Please note that MA07 and CH19 or their equivalents are prerequisites for BY30. Science courses directly related to the practice of occupational therapy (BY30 and BY32 or their transferred equivalents) must have been completed within 10 years of admission to the program. Completing BY30 and BY32 is strongly recommended prior to starting the program.* The admissions committee will also take into consideration the completion of BY32 and experience in a health care setting.

In addition to college health requirements, all occupational therapy students, full- and part-time, must meet the health requirements of the Occupational Therapy Assistant program.

The Occupational Therapy Assistant curriculum is a DAY program which begins in FALL only. The program is competitive. Applications for admission must be received by January 1. Contact the Grant Campus Admissions Office for more information.

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**FIRST SEMESTER: 18.5 credits**
- OA11: Introduction to Occupational Therapy 3
- OA14: Clinical Conditions and Terminology 2
- OA15: Human Occupation Across the Lifespan 2
- EG11: Standard Freshman Composition 3
- BY30: Anatomy and Physiology I 4
- PC11: Introduction to Psychology 3
- OS15: Freshman Seminar 1.5

**SECOND SEMESTER: 17 credits**
- OA18: Occupational Therapy Media and Applications I 4
- OA21: Occupational Therapy for Physical Dysfunctions 2
- BY32: Anatomy and Physiology II 4
- PC60: Developmental Psychology 3
- HC44: Group Dynamics 3
- Physical Education 1

**SUMMER SESSION: 4 credits**
- OA23: Occupational Therapy Media and Applications II 4

**THIRD SEMESTER: 16-17 credits**
- OA28: Occupational Therapy Media and Applications III 4
- OA29: The Management Role of the Occupational Therapy Assistant 2
- EG13: Introduction to Literature 3
- HC22: Safety, First Aid and CPR 3
- Mathematics Elective 3-4
- Physical Education 1

**FOURTH SEMESTER: 15 credits**
- OA35: Clinical Practice I 6
- OA45: Clinical Practice II 6
- Humanities Elective 3

**TOTAL CREDITS REQUIRED: 70.5-71.5**

*See NOTE above in introductory paragraphs.*

*These courses constitute the major courses in this curriculum.*

**REQUIRED CREDIT DISTRIBUTION**
- Occupational Therapy Assistant 35 credits
- Humanities (including English) 9 credits
- Social Sciences 6 credits
- Science and Mathematics 11-12 credits
- Health Careers 6 credits
- Freshman Seminar 1.5 credits
- Physical Education 2 credits

Note: A felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination or attain state licensure. Applicants with a felony background who would like to clarify their status may write NBCOT at 800 S. Frederick Avenue, Suite 200, Gaithersburg, MD 20877-4150 or telephone them at (301) 990-7979.
This two-year program prepares students for employment in the vision care field. After completing the program, graduates will be eligible to sit for the New York State licensing examination in Ophthalmic Dispensing and for the certification examination for contact lens fitting.

An ophthalmic dispenser is broadly defined by the Commission on Opticianry as an individual who adapts and fits corrective eyewear/ophthalmic devices as prescribed by an ophthalmologist or optometrist. The student in this program will gain marketable skills in ophthalmic dispensing (including contact lenses and low vision), ophthalmic fabrication, clinical information collection and use, and ophthalmic office management.

The graduate will find a broad spectrum of employment possibilities in independent optical shops or retail chain settings, in cooperation with optometrists and ophthalmologists, or in related activities (e.g., sales and marketing of optical supplies and equipment, presentation of continuing education seminars, etc.).

The curriculum combines general and technical education with career development and clinical experience. In addition to liberal arts and sciences courses, the first year of the program provides preparation for the students' clinical work in the second year. After experience in the campus clinic, each student will spend a total of 120 hours in an external clinical setting under the supervision of a licensed ophthalmic dispenser.

Students must achieve a minimum passing grade of C in each ophthalmic dispensing course in order to progress to the next course in the sequence and qualify for graduation.

Students must purchase ophthalmic tools, lab coats and name tags for the second semester of the program. The approximate cost is $350.00.

**Admission Procedures and Requirements**

All applicants should have successfully completed high school biology (with laboratory) and Mathematics A or their equivalents [at Suffolk County Community College, BY14 and MA07], and be eligible to take EG11 and MA27 in their first semester. Students are admitted on a rolling basis (FALL ONLY). Most students with minimum credentials are admitted. It is recommended that students apply by January 1st.

**Note that students who do not meet the admission criteria may be admitted on a provisional basis.**

An evening/summer scheduling option is available in alternate years, if there is sufficient enrollment. See the suggested sequence below.

**FIRST SEMESTER: 16.5 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>MA27: Algebra II</td>
<td>4</td>
</tr>
<tr>
<td>BY37: Anatomy and Physiology of the Eye</td>
<td>3</td>
</tr>
<tr>
<td>OD11: Ophthalmic Dispensing I</td>
<td>2</td>
</tr>
<tr>
<td>OD13: Ophthalmic Materials I</td>
<td>3</td>
</tr>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER: 17 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH37: Geometric and Physical Optics</td>
<td>4</td>
</tr>
<tr>
<td>OD15: Contact Lenses I</td>
<td>3</td>
</tr>
<tr>
<td>OD20: Ophthalmic Dispensing II</td>
<td>3</td>
</tr>
<tr>
<td>OD23: Ophthalmic Materials II</td>
<td>3</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

**THIRD SEMESTER: 16 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD25: Contact Lenses II</td>
<td>3</td>
</tr>
<tr>
<td>OD30: Ophthalmic Dispensing III</td>
<td>3</td>
</tr>
<tr>
<td>OD33: Ophthalmic Materials III</td>
<td>3</td>
</tr>
<tr>
<td>* English Elective</td>
<td>3</td>
</tr>
<tr>
<td>** Communications Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

**FOURTH SEMESTER: 18-19 credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OD35: Contact Lenses III</td>
<td>3</td>
</tr>
<tr>
<td>OD37: Principles of Refraction I</td>
<td>3</td>
</tr>
<tr>
<td>OD40: Ophthalmic Dispensing IV</td>
<td>3</td>
</tr>
<tr>
<td>OD48: Ophthalmic Externship</td>
<td>3</td>
</tr>
<tr>
<td>*** Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>† Unrestricted Elective</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED: 67.5-68.5**

continued on next page
SEQUENCE OF COURSES: The above model is a two-year course schedule for students meeting all program requirements and deciding to pursue full-time study. Those students requiring preparatory courses or those deciding to pursue part-time study should consult their faculty advisor for an appropriate sequence of courses. See suggested evening sequence below (available if enrollment warrants).

Suggested Evening Sequence
(three years including summers)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST SEMESTER:</td>
<td>9 credits</td>
<td>• OD11: Ophthalmic Dispensing I 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• OD13: Ophthalmic Materials I 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MA27: Algebra II 4</td>
</tr>
<tr>
<td>SECOND SEMESTER:</td>
<td>9 credits</td>
<td>• BY37: Anatomy and Physiology of the Eye 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• OD20: Ophthalmic Dispensing II 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• OD23: Ophthalmic Materials II 3</td>
</tr>
<tr>
<td>SUMMER SEMESTER</td>
<td>6 credits</td>
<td>• EG11: Standard Freshman Composition 3</td>
</tr>
<tr>
<td>(I)</td>
<td></td>
<td>** Communications Elective 3</td>
</tr>
<tr>
<td>THIRD SEMESTER:</td>
<td>10 credits</td>
<td>• OD30: Ophthalmic Dispensing III 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• PH37: Geometric and Physical Optics 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* English Elective 3</td>
</tr>
<tr>
<td>FOURTH SEMESTER:</td>
<td>9 credits</td>
<td>• OD15: Contact Lenses I 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• OD33: Ophthalmic Materials III 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• PC11: Introduction to Psychology 3</td>
</tr>
<tr>
<td>SUMMER SEMESTER</td>
<td>6-7 credits</td>
<td>*** Social Science Elective 3</td>
</tr>
<tr>
<td>(II)</td>
<td></td>
<td>† Unrestricted Elective 3-4</td>
</tr>
</tbody>
</table>

FIFTH SEMESTER: 9 credits
• OD25: Contact Lenses II 3
• OD40: Ophthalmic Dispensing IV 3
• OD48: Ophthalmic Externship 3

SIXTH SEMESTER II: 6-7 credits
• OD35: Contact Lenses III 3
• OD37: Principles of Refraction I 3

TOTAL CREDITS REQUIRED: 64-65
* EG13 strongly recommended
** CO11 or CO12 strongly recommended
*** Social Science elective: SO11 strongly recommended.
† Recommended unrestricted elective: BA37, CS11, CS13, OD47
* These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION
Ophthalmic Dispensing 35 credits
Science 7 credits
English 6 credits
Social Science 6 credits
Mathematics 4 credits
Communications 3 credits
Unrestricted Elective 3-4 credits
Freshman Seminar (full-time only) 1.5 credits
Physical Education (full-time only) 2 credits
PARALEGAL STUDIES / A.A.S. DEGREE

Hegis Code - 5099
Ammerman - Grant / 333-1

A legal assistant or paralegal is a person, qualified by education, training or work experience, who is employed or retained by a lawyer, law office, corporation, governmental/public agency, bank, industry or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. The paralegal studies program is designed neither for attorneys nor law office administrators. Paralegals are prohibited from performing the unauthorized practice of law.

This curriculum, which is approved by the American Bar Association, provides students with a background in law as practiced in legal offices and trains them to prepare documents such as probate forms, title searches and closing statements, pleadings and discovery proceedings, legal memoranda, and corporate minutes and filings. Skilled use of the English language is essential, and a high level of verbal competence is required for completion of the curriculum. Knowledge of word processing software packages is strongly recommended.

Not all legal courses are offered on each campus each semester. Students are strongly urged to meet with a paralegal academic advisor to plan their program. Failure to do so may result in delayed completion of the program.

Admission Procedures and Requirements

For entering students, minimum requirements for admission are an 80 high school average, Regents English, strong reading and writing skills, and a combined score of 1000 on the SAT or a composite score of 21 on the ACT. Students already enrolled in college need 12 credits with a 3.0 GPA which include a B or better in EG11 and BL40. Students are admitted on a rolling basis, fall and spring, with most students who meet minimum standards admitted. Note: students who do not meet the admission criteria may be admitted on a provisional basis.

FIRST YEAR: 34.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU15: College/Workplace</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>EG35: Advanced Expository Writing</td>
<td>3</td>
</tr>
<tr>
<td>AC11: Principles of Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>BA11: Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>** BL40: Introduction to Law</td>
<td>3</td>
</tr>
<tr>
<td>** BL41: Introduction to Paralegal Studies</td>
<td>3</td>
</tr>
<tr>
<td>** BL71: Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>** BL84: Partnership and Corporation Law</td>
<td>3</td>
</tr>
<tr>
<td>PO20: State and Local Politics</td>
<td>3</td>
</tr>
<tr>
<td>and Government</td>
<td></td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
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</tbody>
</table>

SECOND YEAR: 33-35 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA25: Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>* BL80: Legal Research</td>
<td>3</td>
</tr>
<tr>
<td>* BL72: Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>* BL43: Civil Litigation</td>
<td>3</td>
</tr>
<tr>
<td>* BL75: Law of Property</td>
<td>3</td>
</tr>
<tr>
<td>* BL86: Estates, Trusts and Wills</td>
<td>3</td>
</tr>
<tr>
<td>** Area Electives (two courses)</td>
<td>6</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Math/Science Electives (two courses)</td>
<td>6-8</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 67.5-69.5

* BL40 and BL41 are prerequisites for all required law courses in the Paralegal Program except BL71 and BL72.

** Area Electives (any two courses):

- AC88: Federal Income Taxation
- BL47: Law Office Management and Practices
- BL50: Paralegal Internship
- BL78: Domestic Relations
- BL82: Negligence and Investigations
- BL87: Estate, Trust and Gift Taxation
- CJ11: Introduction to Criminal Justice
- CJ31: Substantive Criminal Law
- CJ35: Evidence and Procedural Law
- IP30: Computer Applications in the Law Office

These courses constitute the major courses in this curriculum.

REQUARED CREDIT DISTRIBUTION

Law .................................................. 27 credits
Business ............................................ 10 credits
English .............................................. 6 credits
Social Science .................................... 6 credits
Math/Science ...................................... 6-8 credits
Humanities ....................................... 3 credits
Restricted Electives ............................. 6 credits
Freshman Seminar ................................ 1.5 credits
Physical Education .............................. 2 credits
Ammerman – Grant / 433-1

A legal assistant or paralegal is a person, qualified by education, training or work experience who is employed or retained by a lawyer, law office, corporation, governmental/public agency, bank, industry or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. The paralegal studies program is designed neither for attorneys nor law office administrators. Paralegals are prohibited from performing the unauthorized practice of law.

The curriculum, which is approved by the American Bar Association, provides students with a background in law as practiced in legal offices and trains them to prepare documents such as probate forms, title searches and closing statements, pleadings and discovery proceedings, legal memoranda, and corporate minutes and filings. Skilled use of the English language is essential, and a high level of verbal competence is required for completion of the curriculum. Knowledge of word processing software packages is strongly recommended.

The certificate program is designed to serve students with either an associate’s or bachelor’s degree seeking a career-oriented education which upon satisfactory completion will enable them to enter the job market.

Although a bachelor of arts degree is desirable, the minimum requirement for admission to the program is an associate’s degree with a minimum of 18 liberal arts credits. The program coordinator may make exceptions to the degree requirement for those students who do not hold a bachelor’s or an associate’s degree but who have demonstrated no less than five years of satisfactory paraprofessional experience in law firms, corporate legal departments or city/town corporation counsel offices, and provide letters of recommendation from employers who are members of the Bar attesting to the applicant’s suitability. Applicants may be given an interview and additional courses may be required to meet the requirement of 18 liberal arts credits. Full-time students may complete the program in two semesters. Completion on a part-time basis is at the pace chosen by the student. Suggested sequence of courses follows.

* Admission Procedures and Requirements

Students need to have completed a B.A., B.S., A.A. or A.S. degree, or have the above-referenced significant law-related experience and 18 liberal arts credits. Students are admitted on a rolling basis, fall and spring, with most students meeting minimum standards admitted. Students must demonstrate strong reading and writing skills.

**FIRST SEMESTER: 18 credits**
- BL40: Introduction to Law ................. 3
- BL71: Business Law I ..................... 3
- * BL66: Estates, Trusts and Wills .......... 3
- * BL80: Legal Research ..................... 3
- BL41: Introduction to Paralegal Studies ... 3
- Area Elective (see below) ................... 3

**SECOND SEMESTER: 15 credits**
- BL43: Civil Litigation ...................... 3
- BL75: Law of Property ..................... 3
- BL84: Partnership and Corporation Law ... 3
- BL72: Business Law II ..................... 3
- Area Elective (see below) ................... 3

**TOTAL CREDITS REQUIRED: 33**

**AREA ELECTIVES (any two courses)**
- AC88: Federal Income Taxation
- BL47: Law Office Management and Practices
- BL50: Paralegal Internship
- BL78: Domestic Relations
- BL82: Negligence and Investigations
- BL87: Estate, Trust and Gift Taxation
- CJ11: Introduction to Criminal Justice
- CJ31: Substantive Criminal Law
- CJ35: Evidence and Procedural Law
- IP30: Computer Applications in the Law Office

* Students should contact the paralegal studies faculty for a prerequisite waiver for these courses.
* These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**
- Law ........................................... 27-33 credits
- Criminal Justice ............................ 0-6 credits
- Information Processing .................... 0-3 credits
PHOTOGRAPHIC IMAGING / A.A.S. DEGREE

Hegis Code – 5007  
Eastern - Grant / 372-1

This curriculum combines an intensive fine art program with courses in the liberal arts and sciences to prepare students for entry-level positions in the field of photography. The student will learn how to use a camera as a tool to explore the visual world while producing photographs which reflect sensitivity, intelligence and technical expertise. After completing two foundation-level courses in black and white photography, students further develop their skills in studio photography and select a two-course sequence in advanced printing processes and large format photography or select two courses in digital imaging. Although career preparation is an important goal of this curriculum, it also provides a solid foundation in fine art photography which can be transferred to many four-year colleges.

FIRST SEMESTER: 14.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>GR31: Introduction to Computer-based Design</td>
<td>3</td>
</tr>
<tr>
<td>VA90: History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>VA91: Introduction to Silver-Based Photography</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

SECOND SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>HM51: Developing Creative Imagination in the Arts</td>
<td>3</td>
</tr>
<tr>
<td>* Restricted Business Elective</td>
<td>3</td>
</tr>
<tr>
<td>VA30: 2D Design</td>
<td>3</td>
</tr>
<tr>
<td>VA33: Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>VA92: Intermediate Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

THIRD SEMESTER: 18-19 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO11: Introduction to Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>VA19: Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>VA93: Alternative Photographic Processes or VA96: Electronic Imaging</td>
<td>3</td>
</tr>
<tr>
<td>VA94: Studio Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

FOURTH SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Science Elective</td>
<td>4</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>VA17: Art History I or VA18: Art History II</td>
<td>3</td>
</tr>
<tr>
<td>or Photography Elective</td>
<td>3</td>
</tr>
<tr>
<td>** VA80: Cooperative Education in Photography and Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>* or Restricted Business Elective</td>
<td>3</td>
</tr>
<tr>
<td>VA95: Large Format Photography or VA97: Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>VA99: Photography Portfolio Development and Assessment</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

TOTAL CREDITS REQUIRED: 68.5-69.5

* To be selected from BD57: Marketing, BD70: Advertising or BA53: Small Business Management.
** At the Grant Campus students may, with permission of the Academic Chair, substitute BU80 for VA80.

These courses constitute the major courses in this curriculum.

REQUIRED CREDIT DISTRIBUTION

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual Arts</td>
<td>31-34</td>
</tr>
<tr>
<td>Graphic Design/Computer Art</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>12</td>
</tr>
<tr>
<td>Business</td>
<td>3-6</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
<tr>
<td>Math/Science</td>
<td>7-8</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>
PHYSICAL THERAPIST ASSISTANT / A.A.S. DEGREE

Hegis Code - 5219
Ammerman / 310-1

The two-year Physical Therapist Assistant (PTA) program prepares the graduate to work under the supervision of a licensed Physical Therapist (PT). Duties of the PTA include instruction in exercise regimes, ambulation activities and functional activities of daily living. Various modalities are applied as part of the overall treatment. Affiliations in a variety of clinical settings allow the student to explore various specialties.

The curriculum is accredited by the Commission on Accreditation of Physical Therapy Education (CAPTE) and leads to the Associate of Applied Science degree (AAS). In order to be certified, students are required to sit for a national licensing examination.

Graduates have the opportunity to work in a variety of settings including hospitals, private physical therapy offices, schools and nursing homes. Salaries compare favorably with other professions with similar academic preparation and may vary depending upon the type of facility and geographic location.

Applicants for this degree should have an interest in working with people rehabilitating from disability and dysfunction, a strong aptitude in science and strong interpersonal skills.

Program Requirements

Students must achieve a minimum passing grade of C in all physical therapy (PT) courses in order to continue in the program sequence. A course may be repeated only once. Faculty permission to repeat any course is dependent on the availability of seats at that time. The program may be completed part-time but all courses must be completed by the end of the semester in which they are sequenced. All students participate in two semesters of supervised clinical affiliations, must purchase liability insurance through the college and must meet the health requirements of both the program and the clinical facilities. Any non-PT-designated courses taken in the third and fourth semesters must be taken in the evening in order to accommodate the clinical affiliation schedule.

Admission Procedures and Requirements

A new class begins each September with the acceptance of twenty-six students. High school applicants must have Mathematics A and B and an 80 average in each of the following: Mathematics B, Regents biology and Regents chemistry. Physics is strongly recommended. The high school applicant must complete BY30 with a grade of C or better in the summer before the program begins. Students already enrolled in college must complete BY30: Anatomy and Physiology I and MA27: Algebra II with a grade of C or better. All applicants must be certified in CPR and First Aid to start the program.

Please contact the Admissions Office for an application and a packet outlining criteria and specific admission policies.

FIRST SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Clinic</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>.</td>
<td>.</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
<td>.</td>
<td>.</td>
<td>3</td>
</tr>
<tr>
<td>BY32: Anatomy and Physiology II</td>
<td>3</td>
<td>.</td>
<td>.</td>
<td>4</td>
</tr>
<tr>
<td>PH30: Physics for Health Careers</td>
<td>3</td>
<td>2</td>
<td>.</td>
<td>4</td>
</tr>
<tr>
<td>PT10: Normal Movement and Development</td>
<td>3</td>
<td>.</td>
<td>.</td>
<td>3</td>
</tr>
<tr>
<td>PT12: Physical Therapy Skills I</td>
<td>3</td>
<td>.</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PT14: Introduction to Physical Therapy</td>
<td>2</td>
<td>.</td>
<td>.</td>
<td>2</td>
</tr>
</tbody>
</table>

SECOND SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
<th>Clinic</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC11: Health Concepts</td>
<td>.</td>
<td>.</td>
<td>.</td>
<td>3</td>
</tr>
<tr>
<td>BY46: Special Topics in Anatomy and Physiology</td>
<td>.</td>
<td>.</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>PC11: Introduction to Psychology</td>
<td>3</td>
<td>.</td>
<td>.</td>
<td>3</td>
</tr>
<tr>
<td>PT20: Foundation of Disease</td>
<td>.</td>
<td>.</td>
<td>.</td>
<td>2</td>
</tr>
<tr>
<td>PT22: Physical Therapy Skills II</td>
<td>.</td>
<td>.</td>
<td>.</td>
<td>1</td>
</tr>
<tr>
<td>PT24: Physical Agents I</td>
<td>2</td>
<td>.</td>
<td>.</td>
<td>2</td>
</tr>
<tr>
<td>HC44: Group Dynamics</td>
<td>3</td>
<td>.</td>
<td>.</td>
<td>3</td>
</tr>
</tbody>
</table>
**SUMMER SEMESTER: 2 credits**
- PT26: Introduction to Clinical Practice ....... - 2 - 1
- PT26: Introduction to Physical Education ....... - 2 - 1

**THIRD SEMESTER: 16 credits**
- PT30: Physical Agents II ....... 1 2 - 2
- PT32: Kinesiology ....... 2 2 - 3
- PT34: Physical Therapy Skills III ....... - 2 - 1
- PT36: Clinical Affiliation I ....... 1 8 3
- Humanities Elective ....... 3 - 3
- Physical Therapist Assistant ....... 3 3 3
- Physical Education ....... 2 - 1

**FOURTH SEMESTER: 17 credits**
- PT40: Advanced Therapeutic Exercise ....... 2 3 - 3
- PT42: Clinical Affiliation II ....... 1 - 25 8
- Social Science Elective ....... 3 - - 3
- English Elective ....... 3 - - 3

**TOTAL CREDITS REQUIRED: 71.5**

* Students may elect to take PH53 and PH54 instead of PH30. Please note that students taking PH53 and PH54 must complete both courses prior to taking PT24: Physical Agents I.
- These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**

<table>
<thead>
<tr>
<th>Humanities, including English</th>
<th>9 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>9 credits</td>
</tr>
<tr>
<td>Science and Mathematics</td>
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<tr>
<td>Health Careers</td>
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<tr>
<td>Physical Therapist Assistant</td>
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<td>Physical Education</td>
<td>2 credits</td>
</tr>
<tr>
<td>Freshman Seminar</td>
<td>1.5 credits</td>
</tr>
</tbody>
</table>
## RADIO AND TELEVISION PRODUCTION / A.A.S. DEGREE

**Hegis Code - 5008**  
**Ammerman / 306-1**

The Radio and Television Production curriculum, a two-year program leading to the degree of Associate in Applied Science, is designed for those who plan careers in video and sound or related industries. Three sound production studios, a 1200-square-foot television studio, electronic field production equipment, digital filmmaking, and non-linear editing suites provide state-of-the-art facilities to create sophisticated programs. Coupled with the general education courses required for the degree, graduates can enter the industry immediately or continue their studies at the university level.

### Admission Procedures and Requirements

Entering students must have a minimum high school academic average of 75, including a 75 average in English. Students already enrolled in college must have successfully completed a minimum of 12 credits with a cumulative grade point average of 2.5. Applicants are admitted only in the fall semester on a rolling basis. Courses are offered in the daytime only. This program is highly competitive and requires strong interpersonal relationship skills.

### FIRST SEMESTER: 17.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
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<td></td>
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<tr>
<td>EG11: Standard Freshman</td>
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</tr>
<tr>
<td>Composition</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>* RT11: Introduction to Broadcasting</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>* RT21: Radio Production</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>* CN19: Digital Filmmaking I</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>† Unrestricted Elective</td>
<td>2</td>
<td>1</td>
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</tr>
<tr>
<td>Physical Education</td>
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### SECOND SEMESTER: 16-17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
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</thead>
<tbody>
<tr>
<td>EG55: Mass Media</td>
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<td></td>
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<tr>
<td>** RT12: Issues in Broadcasting</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CO11: Introduction to Human Communication</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or CO15: Public Speaking</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>* RT31: Television Production I</td>
<td>2</td>
<td></td>
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<tr>
<td>Science or Mathematics</td>
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<td>Elective</td>
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<td>3-4</td>
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<tr>
<td>† Unrestricted Elective</td>
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<tr>
<td>Physical Education</td>
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### THIRD SEMESTER: 16-17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
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</thead>
<tbody>
<tr>
<td>* RT32: Television Production II</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>* RT35: Broadcast Copy and Script Writing</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>*** RT43: Electronic Field Production</td>
<td>4</td>
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<tr>
<td>Science or Mathematics</td>
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</tr>
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<td>Elective</td>
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<tr>
<td>Social Science Elective</td>
<td>3</td>
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</table>

### FOURTH SEMESTER: 15-16 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
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</thead>
<tbody>
<tr>
<td>* RT41: Electronic Media Management</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>* RT44: Video Editing</td>
<td>4</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>‡‡ RT50: Internship in Video and Sound</td>
<td>8</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>‡‡ or RT22: Advanced Radio Production</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>† Unrestricted Elective</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>English Elective</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### TOTAL CREDITS REQUIRED: 64.5-67.5

* Students may take RT11 at any time during the four-semester program. It may be advantageous, though not required, to take it in the first semester.

** Requires prior completion of RT11.

*** RT43 may be taken at any time from the second semester on.

† At least one unrestricted elective should be chosen from courses with TH, MU or VA designations.

‡ In order to take RT50, students must complete at least two RT courses with a grade of B or better.

* These courses constitute the major courses in this curriculum.

**NOTE:** Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

**REQUIRED CREDIT DISTRIBUTION**

- Radio and Television Production: 28-32 credits
- Humanities: 9-12 credits
- Social Science: 6 credits
- Mathematics/Science: 6-8 credits
- Unrestricted Electives: 9 credits
- Freshman Seminar: 1.5 credits
- Physical Education: 2 credits
# RECREATION LEADERSHIP / A.A.S. DEGREE

**Hegis Code - 5506.10**  
**Ammerman / 311**

The design of this program allows students to work with various special needs populations or with recreation services, programs and facilities available in the community. The curriculum complies with professional standards and graduates are eligible to obtain certification from the New York State Recreation and Parks Society. Course work emphasizes leadership and activity skills, facility planning and administration, and the role of recreation programs in the community.

The curriculum prepares students either to transfer to a baccalaureate degree program and pursue further study in Recreation or Therapeutic Recreation, or to obtain an entry-level position.

Enrollment in RA30 and RA40 is limited to students officially admitted to the Recreation Leadership program. Students must maintain at least a C average in all RA courses and have completed a minimum of 30 credits in the curriculum in order to be eligible for RA30. The program is available for either full- or part-time enrollment.

**Admission Procedures and Requirements**

Students are admitted on a rolling basis, fall and spring. Strong communication skills are important. Entering students must have a minimum high school average of 75.

### FIRST SEMESTER: 17.5-18.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab</th>
<th>Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15: Freshman Seminar</td>
<td>1.5</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>EG11: Standard Freshman</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Composition</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PCI1: Introduction to Psychology</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>RA14: Introduction to Recreation Services</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>RA20: Special Populations in Therapeutic Recreation</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>* Mathematics Elective</td>
<td>3-4</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education Elective</td>
<td>2</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

### SECOND SEMESTER: 16 credits

- **RA21: Therapeutic Recreation Process**  
  - 3 credits
- **Recreation Leadership Elective**  
  - 3 credits
- **HC44: Group Dynamics**  
  - 3 credits
- **Laboratory Science Elective**  
  - 2-4 credits
- **Restricted Humanities Elective**  
  - 3 credits

### THIRD SEMESTER: 16 credits

- **RA30: Fieldwork in Recreation Leadership I**  
  - 8 credits
- **Recreation Leadership Elective**  
  - 3 credits
- **EG13: Introduction to Literature**  
  - 3 credits
- **Psychology Elective**  
  - 3 credits
- **HC22: Safety, First Aid & CPR**  
  - 3 credits

### FOURTH SEMESTER: 15-17 credits

- **RA40: Fieldwork in Recreation Leadership II**  
  - 12 credits
- **Health/Human Services Elective**  
  - 3-4 credits
- **Restricted Electives**  
  - (2 courses) 6-7 credits
  - Physical Education Elective  
  - 2 credits

**TOTAL CREDITS REQUIRED: 64.5-67.5**

* To be selected from: MA23, MA61 or higher.
** Two courses to be selected from RA16, RA17, RA18, RA19.
*** To be selected from any 3-credit MU, TH or VA course.
† One course of at least 3 credits to be selected from the following: HC (Health Careers), SL (American Sign Language), CD (Chemical Dependency Counseling), ED (Early Childhood Education/Education), SS (Human Services) or RA (Recreation Leadership).
‡ Two courses to be selected from two different groups below. At least one social science course must be included in the choices.

- **American History**: HS33, HS34, HS38, HS39.
- **Western Civilization**: HS11, HS12, HS20, ID11, ID12.
- **Other World Civilization**: AN11, AN20, AN31, AN50, AN55, CO23, EG60, GV15, GV16, GV17, HS51, HS57, HS90, PL18, PO40.
- **Mathematics**: MA23, MA61 or higher.
- **Foreign Language**: Any FR, GE, IT or SP course except SP20, SP21 and SP22.

* These courses constitute the major courses in this curriculum.

**REQUIRED CREDIT DISTRIBUTION**

- Recreation Leadership .................................... 24 credits
- Health Careers ............................................. 6 credits
- Health/Human Services Elective .......................... 3-4 credits
- English and Humanities ................................... 9 credits
- Social Sciences ............................................. 6 credits
- Mathematics/Laboratory Science .......................... 7-8 credits
- Restricted Electives ....................................... 6-7 credits
- Freshman Electives ........................................ 1.5 credits
- Physical Education ........................................ 2 credits
## Theatre Arts / A.S. Degree

**Hegis Code - 5610**  
**Ammerman / 205**

This program gives students a basic training in theatre production. It also provides the foundation for transfer into a B.A. or B.F.A. program. Students MUST consult with a faculty advisor in the Department of Theatre before entering this program and for scheduling of classes.

### ACTING SEQUENCE (205-1)

#### FIRST SEMESTER: 16.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>* OS15: Freshman Seminar</td>
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</tr>
<tr>
<td>* EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>TH11: Understanding Theatre</td>
<td>3</td>
</tr>
<tr>
<td>TH15: Basic Theatre Practice: Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>or TH17: Basic Theatre Practice:</td>
<td></td>
</tr>
<tr>
<td>Costume Crafts</td>
<td>3</td>
</tr>
<tr>
<td>* TH21: Acting I</td>
<td>3</td>
</tr>
<tr>
<td>* TH52: Production Laboratory I</td>
<td>2</td>
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</tbody>
</table>

#### SECOND SEMESTER: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td></td>
</tr>
<tr>
<td>or EG52: Introduction to</td>
<td></td>
</tr>
<tr>
<td>Dramatic Literature</td>
<td></td>
</tr>
<tr>
<td>or EG83: Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>CO13: Voice and Diction</td>
<td>3</td>
</tr>
<tr>
<td>TH15: Basic Theatre Practice: Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>or TH17: Basic Theatre Practice:</td>
<td></td>
</tr>
<tr>
<td>Costume Crafts</td>
<td>3</td>
</tr>
<tr>
<td>* TH22: Acting II</td>
<td>3</td>
</tr>
<tr>
<td>* TH53: Production Laboratory II</td>
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#### THIRD SEMESTER: 16.5-17.5 credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Social Science Elective</td>
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<tr>
<td>Mathematics Elective</td>
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<tr>
<td>* TH40: Audition Preparation</td>
<td>3</td>
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<tr>
<td>** TH49: Theatre Portfolio</td>
<td>1.5</td>
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<tr>
<td>** TH54: Production Laboratory III</td>
<td>2</td>
</tr>
<tr>
<td>† Humanities Elective</td>
<td>3</td>
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<tr>
<td>** Physical Education</td>
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#### FOURTH SEMESTER: 18 credits

<table>
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<tr>
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<td>Laboratory Science Elective</td>
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<tr>
<td>TH24: Acting for Film and Television</td>
<td>3</td>
</tr>
<tr>
<td>TH41: Classical Theatre</td>
<td>3</td>
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<tr>
<td>TH55: Production Laboratory IV</td>
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<tr>
<td>† Humanities Elective</td>
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</tbody>
</table>

**TOTAL CREDITS REQUIRED: 68-69**

NOTE: Courses and sequence of courses should be selected in consultation with a faculty advisor. In order to continue in the Theatre Arts curriculum beyond the first year, a student must at the end of two semesters have a minimum grade point average of 2.0 in all required theatre and communications courses taken up to that date, and a minimum grade of C in each semester of Production Laboratory (TH52, 53, 54, 55) taken up to that date.

* Theatre majors must register for the major-specific section of OS15.

** To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90, ID11 or ID12.

*** To be selected from PE33, PE47, PE49 or PE59.

† TH51: Theatre Workshop may fulfill only one Humanities elective. The second Humanities elective must be selected from MU16, MU17, VA11, VA12, VA17, VA18, VA19, CO51 or a foreign language. Students planning to transfer to a baccalaureate program are strongly advised to select a foreign language course.

‡ A successful performance review is required to graduate. At the end of the third semester, students must perform final audition pieces and demonstrate evidence of production assignments for each semester of attendance, to be reviewed and accepted by the performance review committee for the granting of the A.S. degree. Students will be provided criteria in the first semester.

* These courses constitute the major courses in this curriculum.

NOTE: Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

### REQUIRED CREDIT DISTRIBUTION

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<th>Category</th>
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<td>Social Science</td>
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<td>Mathematics/Science</td>
<td>7-8</td>
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<td>Theatre</td>
<td>33.5</td>
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<tr>
<td>Freshman Seminar</td>
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</tr>
<tr>
<td>Physical Education</td>
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</tbody>
</table>
TECHNICAL THEATRE SEQUENCE (205-2)

**FIRST SEMESTER: 16.5 credits**

* OS15: Freshman Seminar .................. 1.5
  * EG11: Standard Freshman Composition ... 3
  * TH11: Understanding Theatre ............. 3
  * TH15: Basic Theatre Practice: Stagecraft .. 3
  * TH21: Acting I ................................ 3
  * TH52: Production Laboratory I ............. 2
  * Physical Education ............................. 1

**SECOND SEMESTER: 17 credits**

EG13: Introduction to Literature or EG52: Introduction to Dramatic Literature or EG83: Shakespeare ........................................ 3
  CO11: Introduction to Human Communications or CO13: Voice and Diction .................. 3
  TH16: Basic Theatre Practice: Lighting Crafts .................................................. 3
  TH18: Basic Theatre Practice: Drafting and Design .......................................... 3
  TH53: Production Laboratory II .............. 2

**SECOND SEMESTER: 16.5-17.5 credits**

Social Science Elective ......................... 3
  Mathematics Elective .......................... 3-4
  TH17: Basic Theatre Practice: Costume Crafts .................................................. 3
  TH54: Production Laboratory III ............. 2
  † TH49: Theatre Portfolio ..................... 1.5
  ‡ TH55: Production Laboratory IV ............ 2
  † TH41: Classical Theatre ...................... 3
  † TH42: Stagecraft ............................. 3
  ‡ TH49: Costume Crafts ........................ 3
  † TH55: Production Laboratory IV ............ 2

**FOURTH SEMESTER: 18 credits**

Social Science Elective ......................... 3
  Laboratory Science Elective .................. 4
  TH19: Basic Theatre Practice: Sound .......... 3
  TH41: Classical Theatre ........................ 3
  TH59: Production Laboratory IV ............. 2
  † TH49: Costume Crafts ........................ 3
  † TH49: Lighting Crafts ........................ 3

**TOTAL CREDITS REQUIRED: 68-69**

**NOTE:** Courses and sequence of courses should be selected in consultation with a faculty advisor. In order to continue in the Theatre Arts curriculum beyond the first year, a student must at the end of two semesters have a minimum grade point average of 2.0 in all required theatre and communications courses taken up to that date, and a minimum grade of C in each semester of Production Laboratory (TH52, 53, 54, 55) taken up to that date.

* Theatre majors must register for the major-specific section of OS15.

**To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90, ID11 or ID12.

† TH51: Theatre Workshop may fulfill only one Humanities elective. The second Humanities elective must be selected from MU16, MU17, VA11, VA12, VA17, VA18, VA19, CO51 or a foreign language. Students planning to transfer to a baccalaureate program are strongly advised to select a foreign language course.

‡ A successful portfolio review is required to graduate. At the end of the third semester, students must submit a final portfolio and demonstrate evidence of production assignments for each semester of attendance, to be reviewed and accepted by the portfolio review committee for the granting of the A.S. degree. Students will be provided criteria in the first semester.

* These courses constitute the major courses in this curriculum.

**NOTE:** Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.

**REQUIRED CREDIT DISTRIBUTION**

<table>
<thead>
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<th>Course</th>
<th>Credits</th>
</tr>
</thead>
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<td>Humanities</td>
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</tr>
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<td>Social Science</td>
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<tr>
<td>Mathematics/Science</td>
<td>7-8</td>
</tr>
<tr>
<td>Theatre</td>
<td>32.5</td>
</tr>
<tr>
<td>Freshman Seminar</td>
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</tr>
<tr>
<td>Physical Education</td>
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</tr>
</tbody>
</table>
VETERINARY SCIENCE TECHNOLOGY / A.A.S. DEGREE

Hegis Code - 5402
Grant / 390-1

Veterinary Science Technology is a growing field that offers a variety of careers to individuals interested in working with animals either as technicians or as members of a scientific community. For many people, the study of veterinary technology serves as a starting point for entry into various animal and health-related careers.

A veterinary technician is described by the American Veterinary Medical Association as “a person knowledgeable in the care and handling of animals, in the basic principles of normal and abnormal life processes, and in routine laboratory and clinical procedures. A technician is primarily an assistant to veterinarians, biological research workers and other scientists.”

The demand for personnel trained in the area of animal care and management is strong. The large pet animal population requires technical support personnel to assist veterinarians in the clinical practices. The growth of biomedical research and the concern for humane care of animals used in research require qualified assistants. The expansion of the biotechnology industry has increased the need for qualified technical support.

The Veterinary Science Technology program has been designed to graduate well-trained and competent technicians for the veterinary and biomedical research fields. Practical experience with live animals and field experience under typical working conditions form an integral part of the program. The practical experience is achieved by internships with affiliated veterinary animal clinics, biomedical research centers and the college's animal facilities.

The Veterinary Science Technology program is fully accredited by the American Veterinary Medical Association. Upon completion of the program, the student is eligible to take the New York State Education Department licensure examination for certification as a veterinary technician.

Typical Employment Opportunities

Job opportunities exist as licensed veterinary technicians in the following areas:
- Small animal hospitals and clinics
- Research laboratories
- Pharmaceutical companies
- Pet Industry/Sales
- Public health agencies
- City, state and federal government agencies
- Universities
- Medical and dental schools
- Zoological gardens
- Laboratory animal products/sales

Admission Procedures and Requirements

All applicants must have successfully completed high school Mathematics A, high school biology and chemistry (both with laboratories), or their equivalents (at Suffolk County Community College, MA07, BY14 and CH19). Those applying directly from high school must also have a high school math and science average of 75 or higher. It is recommended that students apply by January 1 in the year of anticipated entry.

Admission to the day program is for fall only; evening students are accepted for the fall of even-numbered years. However, many students take courses that would apply to the curriculum prior to matriculation.

The Veterinary Science Technology curriculum is a restricted program and highly competitive. Meeting minimum criteria does not guarantee acceptance to the program. The college reserves the right to make final decisions based upon the applicant pool each year.

An articulation agreement exists between Suffolk County Community College and Cornell University. Students have the opportunity to be accepted into the College of Agriculture and Life Sciences at Cornell University after completing their A.A.S. degree at Suffolk County Community College.
### FIRST SEMESTER: 18-19 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>BY41: Zoology</td>
<td>3</td>
</tr>
<tr>
<td>CH21: Introduction to General, Organic and Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>* VS12: Introduction to Animal Technology</td>
<td>2</td>
</tr>
<tr>
<td>* VS13: Comparative Anatomy of Domesticated Animals</td>
<td>3</td>
</tr>
</tbody>
</table>

### SECOND SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>BY42: Animal Parasitology</td>
<td>3</td>
</tr>
<tr>
<td>* VS22: Veterinary Practice Management</td>
<td>2</td>
</tr>
<tr>
<td>* VS23: Comparative Physiology of Domesticated Animals</td>
<td>4</td>
</tr>
<tr>
<td>* VS34: Farm Animal Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

### THIRD SEMESTER: 15 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS21: Laboratory Animal Technology</td>
<td>3</td>
</tr>
<tr>
<td>VS24: Pharmacy and Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>VS31: Animal Clinic Internship I</td>
<td>3</td>
</tr>
<tr>
<td>VS32: Clinical Laboratory Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>VS33: Veterinary Cardiology and Radiology</td>
<td>4</td>
</tr>
</tbody>
</table>

### FOURTH SEMESTER: 18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>BY44: General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>* VS41: Surgical Nursing and Anesthesiology</td>
<td>3</td>
</tr>
<tr>
<td>* VS42: Clinical Laboratory Techniques II</td>
<td>3</td>
</tr>
<tr>
<td>* VS43: Animal Clinic Internship II</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

### TOTAL CREDITS REQUIRED: 69-70

### SUMMER SEMESTER I: 6-7 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG11: Standard Freshman Composition</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3-4</td>
</tr>
</tbody>
</table>

### FIRST SEMESTER: 5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>* VS12: Introduction to Animal Technology</td>
<td>2</td>
</tr>
<tr>
<td>BY41: Zoology</td>
<td>3</td>
</tr>
</tbody>
</table>

### SECOND SEMESTER: 6 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>* VS13: Comparative Anatomy of Domesticated Animals</td>
<td>3</td>
</tr>
<tr>
<td>* VS34: Farm Animal Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

### SUMMER SEMESTER II: 7 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH21: Introduction to General, Organic and Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>EG13: Introduction to Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

### THIRD SEMESTER: 7 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS23: Comparative Physiology of Domesticated Animals</td>
<td>4</td>
</tr>
<tr>
<td>BY42: Animal Parasitology</td>
<td>3</td>
</tr>
</tbody>
</table>

### FOURTH SEMESTER: 8 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS24: Pharmacy and Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>VS22: Veterinary Practice Management</td>
<td>2</td>
</tr>
<tr>
<td>BY44: General Microbiology</td>
<td>4</td>
</tr>
</tbody>
</table>

### SUMMER SEMESTER III: 6 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

### FIFTH SEMESTER: 7 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS32: Clinical Laboratory Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>VS33: Veterinary Cardiology and Radiology</td>
<td>4</td>
</tr>
</tbody>
</table>

### SIXTH SEMESTER: 6 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS42: Clinical Laboratory Techniques II</td>
<td>3</td>
</tr>
</tbody>
</table>

### SUMMER SEMESTER IV: 3 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS31: Animal Clinic Internship I</td>
<td>3</td>
</tr>
</tbody>
</table>

### SEVENTH SEMESTER: 3 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS41: Surgical Nursing and Anesthesiology</td>
<td>3</td>
</tr>
</tbody>
</table>

### EIGHTH SEMESTER: 3 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS43: Animal Clinic Internship II</td>
<td>3</td>
</tr>
</tbody>
</table>

### TOTAL CREDITS REQUIRED: 67-68

* Students are required to provide their own transportation to off-campus field experiences.

* These courses constitute the major courses in this curriculum.

### REQUIRED CREDIT DISTRIBUTION

- Veterinary Science Technology: 38 credits
- English: 6 credits
- Social Science: 6 credits
- Mathematics: 3-4 credits
- Science: 14 credits
- Physical Education (full-time students only): 2 credits
VISUAL ARTS / A.S. DEGREE

Hegis Code - 5610
Ammerman - Grant / 204-1

This degree provides a general studio arts foundation curriculum for students interested in transferring into a baccalaureate degree program in visual arts. Emphasis is placed on drawing and design with opportunities to explore painting, sculpture, ceramics, printmaking, photography and computer art. Survey courses in art history are integrated into the program.

Students seeking admission to the Visual Arts curriculum should be prepared to meet a portfolio review. Information regarding that requirement can be obtained from the Admissions Office, the Art Department (Ammerman Campus) or the Arts and Humanities Department (Grant Campus).

A successful portfolio review is required at the completion of the final semester, to be reviewed and accepted by the portfolio review committee for the granting of the A.S. degree.

Admission Procedures and Requirements

Entering students need high school level art experience and must submit portfolio pieces for departmental review. Students are admitted on a rolling basis, fall and spring.

FIRST SEMESTER: 17.5 credits
OS15: Freshman Seminar .................. 1.5
EG11: Standard Freshman Composition .3
• VA17: Art History I .................... 3
• VA33: Drawing I ......................... 3
• VA30: 2D Design ........................ 3
• VA60: 3D Design ........................ 3
• Physical Education ...................... 1

SECOND SEMESTER: 16 credits
EG13: Introduction to Literature .......... 3
• VA18: Art History II ................... 3
• VA34: Drawing II ....................... 3
• History Elective ........................ 3
** Studio Art Elective .................... 3
• Physical Education ...................... 1

THIRD SEMESTER: 15-16 credits
† Humanities Elective ........................ 3
† Social Science Elective .................. 3
• VA35: Life Drawing I ................... 3
** Studio Art Elective .................... 3
Mathematics Elective ...................... 3-4

FOURTH SEMESTER: 20 credits
† Humanities Elective ........................ 3
• Computer Art Elective (CA) ............ 3
** Studio Art Electives (2 courses) ...... 6
† Social Science Elective .................. 3
Laboratory Science Elective ............ 4
VA89: Portfolio Development and Assessment ............................................... 1
*** Portfolio Review ........................ 0

TOTAL CREDITS REQUIRED: 68.5-69.5

* To be selected from HS11, HS12, HS22, HS33, HS34, HS51, HS57, HS90.

** In choosing art electives, the student must select three courses from the following disciplines: art history, ceramics, computer art, life drawing, painting, printmaking, watercolor, sculpture and photography. The fourth elective must be an advanced-level course selected from any of the above areas. Please note that not all of these areas of specialization are available at all campuses.

*** A successful portfolio review is required to graduate. At the end of the fourth semester students must submit a final portfolio to be reviewed and accepted by the portfolio review committee for the granting of the A.S. degree.

† RECOMMENDED ELECTIVE COURSES:
   Humanities: PL11, PL14, PL20, PL23; HM44, HM46, HM47, HM83; MU11, MU16, MU17; TH11, TH15, TH41. (The Humanities electives may not be fulfilled by additional art courses).
   Social Science: HS11, HS12, HS33, HS34, HS90; PC11; SO11; AN11.

• These courses constitute the major courses in this curriculum.

NOTES: 1) Students planning to transfer to a SUNY four-year institution should check the SUNY core General Education requirements on page 88 of this catalog for information on selection of elective courses.
2) Consult the Unified Transfer Programs chart on pages 27-28 of this catalog for information about transferring to four-year colleges/universities to continue study in this or a related field.

REQUIRED CREDIT DISTRIBUTION
Visual Arts .................................. 36 credits
English ..................................... 6 credits
Humanities .................................. 6 credits
Social Science .............................. 9 credits
Mathematics/Science .................... 7-8 credits
Freshman Seminar ...................... 1.5 credits
Physical Education ...................... 2 credits
SCCC Alumnus Profile

Thomas J. McAteer, Jr., Class of 1976
President and CEO, Vytra Health Plans

“Suffolk County Community College provides the first step in the collegiate journey to greater knowledge and career development,” says Tom McAteer, a member of the first class to graduate from the Grant Campus. As president and CEO of Vytra Health Plans, Tom has put his Suffolk experience to use in an exceptional career.

After graduating from Suffolk, Tom earned a bachelor’s degree and M.B.A. from Hofstra University and completed a post-graduate program at Columbia University, Managing the Enterprise, in 1985. In 2000 he was awarded an honorary doctorate of Commercial Sciences from Dowling College.

Tom joined Vytra Health Plans in 1993 as assistant to the president, was appointed chief operating officer and executive vice president in 1998, and became president and CEO in 2000. Vytra is the largest Long Island-based health plan and 11th largest privately held corporation with $345 million in annual revenue, 200,000 members, and over 25,000 provider offices. In 2003 Tom was also appointed executive vice president for Brand Leadership of HIP Health Plan of New York, which acquired controlling interest in Vytra in December 2001.

An avid supporter of the community, Tom is past chair of the Long Island Coalition for Fair Broadcasting and serves on several boards, including the Nature Conservancy, Long Island Philharmonic, Old Westbury Foundation, Hofstra University’s Honors College, and Friends of Karen. He was inducted into the Long Island Softball Hall of Fame in 1992 and the Suffolk County Sports Hall of Fame in 2001.

Numerous organizations have recognized Tom for his efforts to improve the quality of life on Long Island. Since 1994 he has received the Suffolk County Community College President’s medal, Dowling College’s Distinguished Citizen Award, the Long Island Arthritis Foundation’s Life Enrichment Award, and Transitional Services for Long Island’s Human Services award.
Courses

Note: Suffolk County Community College is transitioning from its current four-unit course designation system (AC11) to a six-unit system (ACC101). The new six-unit course designations are indicated in italics after the current course designation and slash on the following pages as an aid toward familiarization during the transition process.

INTRODUCTION

Each course description in the following pages includes one or more of these designations: A, E, G. The letters indicate whether the course is offered on or by the Ammerman, Eastern and Grant campuses, respectively.

Generally, day courses meet one clock hour each week during the semester for every credit hour stipulated in the course description. Thus, a “3 cr. hr.” course meets three hours each week during a 15-week semester. However, two or three hours (or more) of laboratory, studio or other learning activities will count the same as one hour of lecture. Students should understand that one hour in class normally requires two hours of preparation, reading or outside work. Thus, a full-time student enrolled for 15 credits should be prepared to devote as much as 30 hours to out-of-class learning activities, in addition to time spent in the classroom.

Certain courses have prerequisites, and the college expects students to have successfully completed all prerequisites before registering for such courses. It is the student’s responsibility to make sure that all course prerequisites are completed before registering for a course. Questions concerning course prerequisites should be directed to an appropriate academic chairperson, academic dean or counselor. The college reserves the right to prohibit a student from attending a class when it feels the course prerequisite(s) have not been met.

Sequential courses numbered with a comma (such as 11, 12 or 21, 22) consist of two semester-length courses which may be taken in any sequence or independently of each other. Courses numbered with a hyphen (such as 11-12 or 21-22) must be taken in sequence and the first course must be satisfactorily completed before registering for the second.

Depending upon their curriculum, students may have considerable freedom to choose courses according to their interests. However, enrollment in certain courses is restricted to students matriculated in particular programs (e.g., only nursing students may enroll in NR courses). In some other courses enrollment priority is given to students matriculated in particular programs but, if room is available, other students may be admitted (e.g., students in the health careers programs have priority in the HC11 course, but others may take it as an elective if space is available).

Course descriptions in the following pages are grouped according to subject or discipline and subject groups are arranged alphabetically. For example, all courses in “Economics” are grouped together, and they will be found after “Earth and Space Science” and before “Electrical Technology.”

Some curriculum outlines, in addition to designating specific courses which must be completed, stipulate a “Humanities elective,” “Social Science elective,” “Science or Math-
Distant Education

Suffolk County Community College recognizes that learning can occur in a variety of ways and offers the following alternatives to traditional classroom instruction, several of which utilize new technologies and the Internet to provide the sort of flexibility in scheduling desired by many students.

As in traditional classroom courses, students are asked to demonstrate their learning by the completion of exercises, papers, projects and/or exams. The instructors for these alternative-style courses are available by mail, e-mail and telephone to answer students’ questions and provide guidance during the semester. Courses offered under these modes of instruction are identified each semester/session in the academic course schedule.

Telecourses

Telecourses combine the viewing of instructional content at home on videotapes borrowed from the campus library with independent assignments and five required on-campus sessions. The professor coordinates videotaped instruction with teaching the on-campus sessions and creating and grading assignments. Tape viewing is also available in each campus library, but these are library reserve copies and cannot be checked out.

A telecourse fee, partly to cover the cost of course-related supplies, is charged for each telecourse. Since course materials are customized for each student, this is a non-refundable fee.

Online Courses

Online courses are instructor-designed and accessible only over the Internet. Students must own or have access to a computer with Internet access. Online courses are neither time nor place bound, so students may work any time of the day or night. They must, however, pay attention to course deadlines in order to complete the course successfully. Most instructors require students to log in and complete assignments at least once per week. The mechanism for receiving assignments, for turning in assignments and for discussion with the instructor and fellow students is built into the software and is integrated with the course content.

Distance Learning Classroom Courses

These are courses that are offered in real time, simultaneously at each of the three campuses in specially equipped distance learning classrooms. The instructor teaches over live video originating from one of the campuses while students participate in the course at the same time at any one of the three campuses. Commuting time among the campuses is thereby eliminated and the college is able to offer courses or sections of courses that might otherwise be canceled due to low enrollment at any one campus.

Independent Study

A student wishing to carry out a learning project that incorporates content and depth not available through regular course offerings may submit a proposal to do so through an independent study course. Application for independent study should be made in advance of the semester during which the course activities will be carried out and must be made in consultation with a faculty member who will serve as instructor for the course. A proposal for independent study must include a rationale for the course, a statement of objectives to be achieved, and a description of activities to be carried out in order to achieve those objectives. Approval by the Campus Dean is required. Interested students are advised to consult the academic chair or assistant dean for the content area prior to preparing a proposal.

Independent study courses require, as a prerequisite, matriculated status at Suffolk County Community College and six credit hours in the respective area of study with a grade of B or better.
# Academic Areas, Disciplines and Codes

**Business Area**
- Accounting ........................................ AC / ACC
- Banking and Finance .......................... BF / Bnk
- Business: Cooperative Education .......... BU / BUS
- Business: Law .................................. BL / LAW
- Business: Management ....................... BA / BUS
- Business: Marketing ........................... BD / MKT
- Business: Retailing ............................. BD / RET
- Information Processing ........................ IP / INP
- Office Technologies ............................ OT / OFT

**Engineering Science and Technology Area**
- Automotive Service Specialist ............. AT / AUT
- Construction Technology/
  - Architectural Technology ................. CT / COT
- Drafting ......................................... DR / DRF
- Electrical Engineering Technology ........ TE / ELT
- Engineering Science .......................... EN / ENS
- Fire Protection Technology .................. FS / FPT
- Telecommunications Technology .......... TT / TEL

**Humanities Area***
- Cinema Studies .............................. CN / CIN
- Communications ............................... CO / COM
- Computer Art ................................. CA / ART
- English ........................................ EG / ENG
- Foreign Language .............................. (Latin and Chinese) FL / FLA, (French) FR / FRE,
  - (German) GE / GER, (Italian) IT / ITL,
  - (Spanish) SP / SPN
- Graphic Design ............................... GR / GRD
- Humanities ...................................... HM / HUM
- Interior Design ................................. IN / INT
- Journalism ...................................... JN / JKN
- Music ............................................ MU / MUS
- Philosophy ...................................... PL / PHIL
- Theatre Arts .................................... TH / THR
- Visual Arts ..................................... VA / ART
- Women's Studies .............................. WS / WST, HM / HUM,
  - ID / IND, PL / PHIL, SO / SOC

**Nursing, Health and Physical Education Area**
- American Sign Language/
  - Interpreter for the Deaf ...................... SL / ASL
- Chemical Dependency Counseling .......... CD / CDC
- Dietetic Technician ........................... FM / DTE
- Early Childhood Education/
  - Education .......................... ED / EDU
- Emergency Medical Care ..................... HC / HSC
- Fitness Specialist ............................ PF / PFS
- Health Careers ............................... HC / HSC

**Health Information Technology/ Medical Records ........................ HI / HIT
- Hospice Care ................................ HC / HSC
- Human Services .............................. SS / HUS
- Nursing .......................................... NR / NUR
- Nursing Assistant ............................ NA / NRA
- Occupational Therapy Assistant .......... OA / OTA
- Ophthalmic Dispensing ...................... OD / OPD
- Physical Education ........................... PE / PED
- Physical Therapy Assistant ............... PT / PTA
- Recreation Leadership ...................... RA / REC

**Science and Mathematics Area***
- Astronomy ..................................... ES / AST
- Biotechnology ................................. BY / BIO
- Chemistry ...................................... CH / CHE
- Earth and Space Science ..................... ES / ESC
- Marine Biology ............................... MB / MAR
- Mathematics ................................... MA / MAL, MAT
- Meteorology ................................. ES / MET
- Oceanography ................................ OC / MAR
- Physics ......................................... PH / PHY

**Social Sciences Area***
- Anthropology ................................ AN / ANT
- Economics ...................................... EK / ECO
- Geography ..................................... GY / GEO
- History .......................................... HS / HIS
- Political Science ............................. PO / POL
- Psychology ..................................... PC / PSY
- Sociology ...................................... SO / SOC

**Special Areas**
- Applied Technology .......................... AP / API
- College Seminars ............................. OS / COL
- Computer Science* .......................... CM / CST
- Criminal Justice .............................. CJ / CRJ
- Culinary Arts .................................. CU / CUL
- English As A Second Language .......... EF / ESL
- Heating, Ventilation, Air Conditioning
  and Refrigeration ............................... HV / HVA
- Horticulture .................................... HO / HOR
- Interdisciplinary Studies* .................. ID / IND
- Library Research .............................. LR / LIB
- Police Administration ....................... PD / PDA
- Radio and Television Production .......... RT / RTV
- Reading ......................................... RE / RDG
- Special Topics: Science* ................... SE / ENV, SM / SCI
- Special Topics: Social Sciences* .......... SC / SOC
- Veterinary Science Technology ............ VS / VST

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* Courses in these areas can be used to fulfill Liberal Arts electives.
† Suffolk County Community College is adopting new three-letter academic discipline codes. They are indicated in italics after the two-letter codes and slash as an aid toward familiarization during the transition process.
ACCOUNTING

AC11 / ACC101
PRINCIPLES OF ACCOUNTING I
Computerized enhanced instruction examines nature and purpose of accounting theory and procedures through study of accounting cycle, asset valuation and financial statements. Develops foundation of accounting knowledge for additional learning in subsequent courses. No prerequisite. Credit given for AC11 or AC13/AC14, but not both. A-E-G / 4 cr. hrs.

AC12 / ACC102
PRINCIPLES OF ACCOUNTING II
Computerized enhanced instruction develops accounting principles and procedures as applied to partnerships and corporations. Designed primarily for students anticipating careers in accounting or who otherwise require detailed understanding of financial accounting practices. Prerequisite: AC11. A-E-G / 4 cr. hrs.

AC13‡ / ACC113
FUNDAMENTALS OF ACCOUNTING I
Computerized enhanced instruction examines Basic Accounting Cycle. Emphasis on recording and summarizing aspects of accounting including topics of bank reconciliations and payroll. (Two hours lecture, one hour recitation.) No prerequisite. Credit given for AC13 or AC11, but not both. Successful completion of both AC13 and AC14 is equivalent to AC11 completion. A-E-G / 2 cr. hrs.

AC14‡ / ACC114
FUNDAMENTALS OF ACCOUNTING II
Computerized enhanced instruction is used to prepare financial statements, inventory valuation, receivables, payables, depreciation and control of plant assets. (Two hours lecture, one hour recitation.) Prerequisite: AC13. Credit given for AC14 or AC11, but not both. Successful completion of both AC13 and AC14 is equivalent to AC11 completion. A-E-G / 2 cr. hrs.

AC15 / ACC115
MANAGERIAL ACCOUNTING
Emphasis on attention-directing and problem-solving functions of accounting with respect to management planning and controlling fiscal activities. Recommended for all students outside accounting emphasis. Prerequisite: AC11. A-E-G / 3 cr. hrs.

AC16 / ACC116
PRACTICAL ACCOUNTING
Includes three practice sets specially designed to provide students opportunity to prepare federal and state tax forms relating to depreciation, payroll, sales tax, and corporate income and franchise taxes. Also covers the one-write system, bank reconciliations and physical inventory procedures. Prerequisite: AC11, or AC13 and AC14. A-E-G / 3 cr. hrs.

AC17 / ACC117
MANAGERIAL ACCOUNTING FOR THE HOSPITALITY INDUSTRY
Managerial accounting fundamentals especially tailored for students in hospitality service industries. Emphasis on attention-directing and problem-solving functions of accounting with respect to management planning and controlling fiscal activities of hotels and restaurants. Prerequisite: AC11, or AC13 and AC14. E / 3 cr. hrs.

AC19 / ACC119
ACCOUNTING FOR SMALL BUSINESS
Benefits entrepreneurs who have little or no familiarity with accounting principles or business record keeping requirements for various types of business entities. Topics include basic bookkeeping, understanding financial statements, how to use accounting information, and compliance with taxation requirements. Additional topics include cash flow management, basic financial statement analysis, break-even analysis, inventory management, budgeting and costing. Assists students in making sound financial decisions and communicating more effectively with financial professionals. No prerequisite. A-G / 3 cr. hrs.

AC26 / ACC126
GOVERNMENTAL ACCOUNTING
Introduction to concepts and procedures of fund accounting as applied to government and nonprofit institutions. Topics include principles of fund accounting, appropriations, encumbrances, expenditures, and problems and procedures related to use and control aspects of budgets. Prerequisite: AC11. A-E-G / 3 cr. hrs.

AC37‡ / ACC137
COMPUTER ACCOUNTING PRINCIPLES
Introductory course providing students with real-life exposure to use of major accounting applications programs on a microcomputer. Payroll, receivables, payables, inventory as well as integrated packages are utilized. Prerequisite: AC11. A-E-G / 4 cr. hrs.

AC41-44A / ACC141-144A
AC45-47E / ACC145-147E
AC48-50G / ACC148-150G
SPECIAL TOPICS IN ACCOUNTING
Special and current topics in accounting. Content varies from year to year. A-E-G / 3-4 cr. hrs. each

AC51 / ACC201
INTERMEDIATE ACCOUNTING I
Stresses theoretical and analytical aspects of financial accounting. Topics include the Balance Sheet and Income Statement with particular emphasis on current assets, fixed assets and current liabilities. Pertinent pronouncements of the Financial Accounting Standards Board (FASB) are an integral part of the course. Prerequisite: AC12. A-E-G / 4 cr. hrs.
AC52 / ACC202  
INTERMEDIATE ACCOUNTING II  
Involves same theoretical and analytical approach of AC51 but topical emphasis is on corporate capital, long-term liabilities, investments, fund flow, analysis, and reconstruction of financial statements. Pertinent pronouncements of the Financial Accounting Standards Board (FASB) are an integral part of the course. Prerequisite: AC51.  
A-E-G / 4 cr. hrs.

AC70 / ACC210  
COST ACCOUNTING  
Basic principles and procedures of cost accounting and cost control in a manufacturing organization through study of job order, process and standard cost procedures, budgeting, predetermined cost, variance and decision analysis. Prerequisite: AC12 or AC15.  
A-E-G / 4 cr. hrs.

AC82‡ / ACC212  
ELECTRONIC SPREADSHEET APPLICATIONS FOR ACCOUNTING  
Concentrates on financial and managerial accounting applications with particular emphasis on using advanced spreadsheet financial functions related to recording business transactions; developing adjusted trial balance; preparing financial statements; analyzing and presenting accounts receivable; analyzing inventory; accounting for property, plant, and equipment; examining bonds payable and time value of money; evaluating performance; understanding cost-volume-profit relationships; and capital budgeting supported by spreadsheet graphics, database and macro capabilities. Prerequisites: AC11 and either AC37, BA22 or CS11.  
A-E-G / 4 cr. hrs.

AC84 / ACC214  
CORPORATE FINANCE  
Introductory course in business financial management. Deals with need for funds within the firm and alternative institutions and financial instruments available. Prerequisite: AC12.  
A-E-G / 3 cr. hrs.

AC88 / ACC218  
FEDERAL INCOME TAXATION  
History of income taxation, gross income and exclusions therefrom; deductions; credits; exemptions; capital gains; depreciation; inventory and accounting methods; accounting records; preparation and filing of tax returns, with special emphasis on small business and individual taxpayers. Prerequisite: AC12 or AC15.  
A-E-G / 3 cr. hrs.

AMERICAN SIGN LANGUAGE  
SL10‡ / ASL101  
AMERICAN SIGN LANGUAGE I  
Introduces American Sign Language, the visual-gestural language of the deaf. Incorporates nonverbal communication techniques, basic vocabulary, grammar principles and conversational skills. (3 hrs. lecture, 3 hrs. laboratory.)  
A / 4 cr. hrs.

SL14‡ / ASL105  
AMERICAN SIGN LANGUAGE II  
Expands skills in American Sign Language. Emphasis placed on expressive and receptive conversational skills including vocabulary expansion, deaf idioms and creative use of visual vernacular. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: SL10.  
A / 4 cr. hrs.

SL20‡ / ASL201  
AMERICAN SIGN LANGUAGE III  
Further development of manual fluency in American Sign Language. Stress placed on conversational regulators, facilitating behaviors, morphological process, subtle non-manual cues, sign fluidity and casual vs. citation sign formations. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: SL14.  
A / 4 cr. hrs.

SL22‡ / ASL220  
AMERICAN SIGN LANGUAGE IV  
Integrates well-developed American Sign Language communicative skills with interactive opportunities within the community of language users, i.e., the deaf community. Emphasis on cultural aspects inherent in the language: literature, values and attitudes, regional and social variations. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: SL20.  
A / 4 cr. hrs.

SL23 / ASL103  
DEAF CULTURE AND CONTEMPORARY ISSUES  
Introduces culture and heritage of deaf Americans and recent developments in fields of sign language and deafness. Covers causes of deafness, degrees of hearing impairment; educational, linguistic and social needs of deaf individuals; diverse philosophies of deaf education, and roles of professionals working with deaf people. Familiarizes students with contemporary issues and current trends. Presents future employment opportunities for persons with American Sign Language skills. No prerequisite.  
A / 3 cr. hrs.

SL24 / ASL203  
FINGERSPELLING  
Introduces manual representation of words of a spoken language. Emphasis on development of hand configuration, basic word patterns, rhythm and fluidity. Additional focus placed on fingerspelled loan signs. Prerequisite: SL14.  
A / 2 cr. hrs.

Note: Admission to Advanced American Sign Language courses (any course above SL24) is limited to students admitted to either the Interpreter for the Deaf (341-1) or American Sign Language Studies (341-2) sequence.
SL26 / ASL205
INTRODUCTION TO PRINCIPLES OF INTERPRETING AND TRANSLITERATING
Covers RID code of ethics and role of sign language interpreter in variety of settings (medical, legal, educational, mental health, social and theatrical). Includes overview of current process models of interpreting (i.e., Cokely, Colonosmos and Gish) and weekly in-class opportunities to apply these models to interpreting from spoken English to ASL/ASL to spoken English. Survey of history and literature of field included. Restricted to Interpreter majors.
Corequisite: SL20.
A / 3 cr. hrs.

SL28 / ASL210
COMPARATIVE LINGUISTICS: ASL AND ENGLISH
Emphasizes importance of the student understanding the two languages: American Sign Language and English, and working between the two languages as an interpreter or worker in the deaf community. Provides in-depth study of phonology, morphology, syntax and semantics of American Sign Language in comparison with those of English. Prerequisite: SL20.
A / 3 cr. hrs.

SL32‡ / ASL212
SIGN-TO-VOICE INTERPRETING
Introduction to principles and techniques of interpreting manual, oral and written communication into spoken or written English equivalents. Also applies to concept and practice of interpreting from American Sign Language to spoken English. (2 hrs. lecture, 4 hrs. laboratory.) Prerequisite: SL26.
A / 3 cr. hrs.

SL34‡ / ASL222
VOICE-TO-SIGN INTERPRETING
Introduces principles and techniques of interpreting spoken or written English into the manual, oral and written communication equivalents. Also applies to the concept and practice of interpreting from spoken English to American Sign Language. (2 hrs. lecture, 4 hrs. laboratory.) Prerequisite: SL32.
A / 3 cr. hrs.

SL38‡ / ASL230
TECHNICAL SIGN LANGUAGE
Application of contextual vocabulary and sentence structure in ASL and development of conceptual sign accuracy in the two languages: ASL and English. Areas of emphasis include, but are not limited to, educational, mental health, rehabilitation, legal, medical, theater arts, social services and religious interpreting settings. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisites: SL20 and SL26.
A / 4 cr. hrs.

SL43‡ / ASL240
SIGN LANGUAGE INTERPRETER SEMINAR AND FIELDWORK
Using interpreting skills in practical applications in various settings in the deaf community. Involves classroom study and off-campus fieldwork assignments. Classroom study consists of reading assignments, videotapes, attitudes related to working with deaf persons, dealing with problems of interpreting, professional ethics, and the development role of an interpreter in the deaf community. Registration requires that the student purchase liability insurance through the college. (2 hrs. lecture, 12 hrs. fieldwork.) Students must be available during the day for fieldwork assignments. Prerequisites: SL26, SL32 and SL34.
A / 5 cr. hrs.

ANTHROPOLOGY

AN11 / ANT101
CULTURAL ANTHROPOLOGY
Introductory course studying broad range of cultural similarities and differences among human populations. Using ethnographic accounts as a database, initial focus is on non-Western cultures. Comparisons with more technologically advanced cultures provide important insights into how culture works.
A-E-G / 3 cr. hrs.

AN20 / ANT121
CARIBBEAN CULTURES
Interdisciplinary study of historical and contemporary elements of diverse cultures in the Caribbean. Topics include history, economics, social institutions, cultural patterns and the arts. May be taken for social science or humanities credit. No prerequisite.
G / 3 cr. hrs.

AN21 / ANT103
PHYSICAL ANTHROPOLOGY
Explores fields of paleontology, primatology and human physical variation as they relate to human evolution. Change and stability, adaptation and extinction are major themes. Findings from evolutionary biology, behavioral ecology, and the hominid fossil record are integrated in order to understand the transition from ape to human. Where do we come from? Why do we behave the way we do? Where are we going?
A-E-G / 3 cr. hrs.

AN31 / ANT105
INTRODUCTION TO ARCHAEOLOGY
Explores basic concepts and methods of archaeological research, including nature of the archaeological record and how archaeologists generate and analyze data. Excavation, analysis and interpretation of material remains from well-known Old World and New World prehistoric and historic sites are examined. Cultural variation and culture change are major themes. Emphasizes application of these concepts to our own culture.
A / 3 cr. hrs.
ANT41-44A / ANT220-223A
ANT51-54G / ANT224-226G
ANT61-64E / ANT227-229E

SPECIAL TOPICS IN ANTHROPOLOGY
Special and current topics in anthropology. Content varies from year to year. A-E-G / 3 cr. hrs. each

AN45‡ / ANT201
FIELDWORK IN ANTHROPOLOGY
Introduction to fieldwork techniques. Specific culture studies vary from year to year. (2 hrs. lecture, 2 hrs. laboratory.) No prerequisite. Offered summer only. A / 3 cr. hrs.

AN50 / ANT203
ANTHROPOLOGY OF RELIGION
Studies religion as an institution in primitive society. Places emphasis on anthropological methodology as a tool for understanding folk religious systems. Works of such anthropologists as Durkheim, Malinowski, Boas and Levi-Strauss are considered as they pertain to religious development. Application of anthropological methodology is demonstrated by use of North American, South American, Oceanic and African culture areas. Prerequisite: AN11. A / 3 cr. hrs.

AN55 / ANT205
NATIVE AMERICANS
Archaeology, prehistory and traditional development of Native American culture. Explores diversity of American Indian culture in terms of social systems, institutions and behavior patterns. Groups such as the Aztec, Navajo, Pueblo and Eskimo are studied in relation to their environmental adaptation and cultural development. Prerequisite: AN11. A / 3 cr. hrs.

APPLIED TECHNOLOGY
AP10 / APT101
INDUSTRIAL MATHEMATICS
Practical application of mathematical topics to field of drafting and machine shop. Topics include arithmetic operations with fractions and decimals, simple algebra, Pythagorean theorem and right triangle trigonometry. A / 4 cr. hrs.

AUTOMOTIVE SERVICE SPECIALIST
AT12‡ / AUI112
INTEGRATED AUTOMOTIVE SYSTEMS
Overview of basic operating systems in modern motor vehicle. Interdependence among systems and implications for troubleshooting and diagnosis explored. Laboratory work provides introduction to each of major automotive systems. (30 hrs. lecture; 30 hrs. laboratory.) A / 3 cr. hrs.

AT14‡ / AUI114
STARTING AND CHARGING SYSTEMS
Electrical and mechanical components of starting and charging systems used on vehicles. Theory, operation, diagnosis and repair procedures covered. (30 hrs. lecture; 30 hrs. laboratory.) A / 3 cr. hrs.

AT16‡ / AUI115
SPECIALIZED ELECTRONICS
Basic concepts of electricity and electronics which must be understood as preliminary to study of automotive electrical and electronic systems. Topics include current, voltage, resistance, series and parallel circuits, magnetism, inductance, capacitance, D.C. current and digital electronics. Laboratory provides opportunity to study circuits and components both theoretically and as found in actual automotive components. (30 hrs. lecture; 30 hrs. laboratory.) A / 3 cr. hrs.

AT18‡ / AUI118
COMPUTER SYSTEMS AND FUEL DELIVERY
Theory and operation of computer systems employed on vehicles. Topics include introduction to E.C.M. computer operation, sensor operation and actuator operation. Computer diagnostics covered in detail. (30 hrs. lecture; 30 hrs. laboratory.) A / 3 cr. hrs.

AT20-30-40-50 / AUI120-230-240-250
PRACTICUM I-IV
The four units of work experience in the repair shop are designed to give students opportunity to see and participate in all aspects of repair facility operation. Hands-on experience in busy repair shop enables students to utilize and refine skills and knowledge gained in classroom and laboratory. As much as possible, work assignments at dealership are coordinated with subjects covered in classroom. Registration in each of these courses requires that students purchase liability insurance through the college. Students work 35 or 40-hour week standard in industry. Each student must complete total of 1024 hours over the four practicum units. A / 1 cr. hr. each

AT22‡ / AUI122
AUTOMOTIVE HEATING AND AIR CONDITIONING
Theory and operation of auto heating and air conditioning systems. Training focuses on diagnosing and repairing systems and control equipment. (30 hrs. lecture; 30 hrs. laboratory.) Prerequisite: AT16. A / 3 cr. hrs.

AT24‡ / AUI224
ELECTRONIC DEVICES AND PROCESSORS
Electrical and electronic devices currently used in automotive field. Emphasis on diagnosis and servicing of components used on vehicles. Instruction on test equipment and proper procedures. Reading electrical wiring schematics stressed. (30 hrs. lecture; 30 hrs. laboratory.) Prerequisite: AT16. A / 3 cr. hrs.

‡ Course Fee
AT26‡ / AUT226
FUEL INJECTION AND ENGINE EMISSION SYSTEMS
Combustion by-products contained in gasoline engine exhaust: carbon monoxide, oxides of nitrogen, unburned hydrocarbons, oxygen. Focus on systems used in vehicles to control these emissions. Students learn procedures and accurate specifications necessary to achieve desired vehicle emissions, including driveability diagnosis. Environmental rules and regulations and their impact on automotive repair industry discussed. (30 hrs. lecture; 30 hrs. laboratory.) Prerequisites: AT16 and AT18. A / 3 cr. hrs.

AT32‡ / AUT1232
ALIGNMENT, STEERING AND SUSPENSION SYSTEMS
Theory, diagnosis and repair procedures of ABS brake systems, computerized alignments, suspension theory, and steering system diagnosis on current vehicles. Instruction includes brake hydraulics, electronic control and parts replacement. (30 hrs. lecture; 30 hrs. laboratory.) Prerequisite: AT16. A / 3 cr. hrs.

AT34‡ / AUT234
ENGINE THEORY AND OVERHAUL
Begins with principles of internal combustion engine. Components and functions of gasoline engines studied. Engines are properly disassembled, parts identified, inspected, measured and reassembled. Engine break-in and proper testing demonstrated. Emphasis on troubleshooting and proper diagnosis. (30 hrs. lecture; 30 hrs. laboratory.) Prerequisites: AT16 and AT18. A / 3 cr. hrs.

AT36‡ / AUT236
AUTOMOTIVE SERVICE PRODUCTIVITY AND EFFICIENCY
Different theories related to running productive service department. Students study ways to improve productivity which increase their performance, evaluation of specialized tools vs. their cost, costs of purchasing tools on time, evaluation of repair procedures for safety, and timesaving steps. Students conduct time study as part of course. (45 hrs. lecture.) Prerequisite: AT30. A / 3 cr. hrs.

AT38‡ / AUT238
BODY COMPUTERS AND ADVANCED SYSTEMS DIAGNOSIS
Use of sophisticated diagnostic equipment. Equipment covered includes computerized engine analyzers, emission testers, scopes, digital meters and timing devices. (30 hrs. lecture, 30 hrs. laboratory.) Prerequisite: AT18. A / 3 cr. hrs.

AT42‡ / AUT242
TRANSMISSION AND DRIVE SYSTEMS
Theory and operation of manual and automatic transmissions. Both rear-wheel and front-wheel drive systems covered. Diagnosis and servicing of components stressed. (30 hrs. lecture; 30 hrs. laboratory.) A / 3 cr. hrs.

AT46 / AUT242
AUTOMOTIVE DEALERSHIP STRUCTURE AND FUNCTIONS
Various aspects of service management as typically found in automotive dealership. Topics include theory of service supremacy or other divisional equivalent, federal and state regulation, insurance, purchasing procedures, facility planning, lease-purchase agreements, customer relations, labor relations, and consumer group organizations. (45 hrs. lecture.) A / 3 cr. hrs.

BANKING AND FINANCE
Note: Additional finance-related courses (beside those listed below) are AC84: Corporate Finance, BA15: Personal Financial Management, and EK55: Money and Banking.

BF11 / BNK101
INTRODUCTION TO MONEY AND FINANCE
Basic coverage of money and credit creation, financial markets and financial decision-making. No prerequisites. E-G / 3 cr. hrs.

BF18 / BNK103
PRINCIPLES OF BANKING
Economic importance of banks’ bookkeeping operations, legal relationships with depositors, management of bank funds, international controls and trust services, and Federal Reserve System. No prerequisites. G / 3 cr. hrs.

BF28 / BNK201
FINANCIAL MARKETS AND INSTITUTIONS
Roles of banks and non-bank financial intermediaries as profit-making firms within the context of the American (United States) financial system. Prerequisite: AC11 or BF11 or EK21. G / 3 cr. hrs.

BF35 / BNK203
INVESTMENTS
Explores concepts and criteria associated with successful financial investing, examines fixed income securities, common stock, warrants, puts and calls, surveys commodities, collectibles, and real estate investments. Examines time value of money, financial statements, and sources of reliable investment information. Prerequisite: BF11 or AC11 or EK21 or permission of instructor. E-G / 3 cr. hrs.

BF45-47G / BNK245-247G
SPECIAL TOPICS IN BANKING AND FINANCE
Special and current topics in banking and finance. Content varies from year to year. E-G / 3 cr. hrs. each

‡ Course Fee
BIOLOGY

Note:

BY10-19 Courses specifically designed for non-science majors
BY20-29 Intermediate courses for which there is a prerequisite
BY30-49 Courses designed primarily for health careers students
BY50-59 Introductory courses for science majors
BY60-69 Courses for both science and non-science majors. All have prerequisites
BY70-79 Courses open only to science majors who have completed the introductory courses for science majors
BY81-90 Special Topics courses in biology

See "Marine Biology and Oceanography" for related courses.

BY14‡ / BIO101
PRINCIPLES OF BIOLOGY
Survey of key concepts including biological chemistry, cell structure and function, organization of multicellular organisms, genetics, evolution and ecology. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent.
A-E-G / 4 cr. hrs.

BY16‡ / BIO103
HUMAN ECOLOGY
Studies the dynamic balance within the ecosphere. The flow of energy and mineral resources is examined in natural and human systems, and human impact on this natural balance and flow of resources is studied. Social causes and solutions to ecological insults also investigated. The laboratory examines, either through experiments or field study, characteristics of different ecosystems, stresses and impacts on different ecosystems, and current human actions to solve or prevent ecological problems. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: MA07.
A-G / 4 cr. hrs.

BY17‡ / BIO105
SURVEY OF THE HUMAN BODY
Survey of biological chemistry, cell structure and function, tissues and organ systems of the human body, and genetics. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent.
E / 4 cr. hrs.

BY18‡ / BIO208
TOPICS IN HUMAN BIOLOGY
Cuts across usual lines to include selections from all departmental offerings pertinent to an in-depth understanding of man’s role in the biosphere. Some topics included come from the fields of human physiology and anatomy, human genetics, human evolution and human ecology. May be team taught by specialists from each field of study. (3 hrs. lecture, 2 hrs. seminar including films, field trips, laboratory experiments and discussions.) Prerequisite: BY14 or BY80.
A-E-G / 4 cr. hrs.

BY19‡ / BIO109
PLANTS AND PEOPLE
Through lectures, labs and field trips, plants are studied from three different points of view: historical, biological and ecological. From historical point of view, course emphasizes role of plants in human development and their importance in history and discovery, investigating how plants are used by man in nutrition, housing, medicine and cultural practices. From biological point of view, includes basic plant biology: plant structure and function, including cell morphology, plant anatomy and elementary plant physiology. Main groups of plants are studied with emphasis on flowering plants. Emphasizes hands-on learning. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: MA07 or equivalent.
A / 4 cr. hr.

BY20‡ / BIO210
FIELD BIOLOGY AND ECOLOGY
Functional aspects of natural communities and ecosystems. Relation of ecology to evolutionary ideas is stressed and the natural population in its community serves as the basic study unit. Examples largely drawn from communities of North America, Long Island in particular. Field trips emphasize identification of local life forms and their role in natural communities. Lab work investigates general ecological principles. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: BY14 or BY80 or OC15 or SE28.
A-E / 4 cr. hrs.

BY21‡ / BIO111
BOTANY
Principles of structure and function of plants. Plant cells, tissues, roots, stems, leaves and flowers discussed in detail. Plant classification, ecology, growth and development, photosynthesis, respiration, genetics and reproduction among topics covered. Emphasis on flowering plants, although other groups are treated in their evolutionary context. Work in campus greenhouse and horticultural lab is integral part of course. (3 hrs. lab, 3 hrs. lecture.) Prerequisite: MA07.
E / 4 cr. hrs.

† Course Fee
BY29‡ / BIO219
BIOTECHNOLOGY IN OUR FAST-CHANGING WORLD
For non-science majors. Introduces students to basic concepts and techniques in biotechnology with applications in forensic science, paternity cases, genetic engineering, bioremediation, medicine and agriculture. Emphasizes development of laboratory skills and includes issues of social interest such as bioethics of genetic cloning, legal uses of DNA technology in criminal cases, discussions on use of engineered organisms for ecological control, gene therapy, disease diagnosis and food production. “Hands-on approach” with strong laboratory content. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: BY14 or permission of instructor. A / 4 cr. hrs.

BY30-32‡ / BIO130-132
ANATOMY AND PHYSIOLOGY I AND II
Basic principles of the structure and function of the human body are discussed in depth for each of the organ systems. Physiology is presented from both a biochemical and organismal point of view. Basic understanding of chemistry, physics and mathematics is introduced where useful and necessary for understanding these biological phenomena. Special attention given to the application of these principles and concepts to health-related areas. A two-semester sequence (3 hrs. lecture, 3 hrs. laboratory.) Prerequisites for BY30: MA07 and high school chemistry or CH19 or equivalent. Recommended: high school biology, BY14 or BY17. Prerequisite for BY32 is BY30.
A-E-G / 4 cr. hrs. each

BY37 / BIO137
ANATOMY AND PHYSIOLOGY OF THE EYE
Anatomy and physiology of the eye, the orbit in which it resides and its adnexa, both gross and cellular, are discussed. Nerve supply and circulatory system of the eye are presented. Binocular vision and fusion, ocular alignment, vergences, accommodation and convergence are introduced. The physiology of vision, retinal images, psychophysics of vision and color vision are considered. (3 lecture hrs.) Prerequisite: MA07 or equivalent. High school biology or equivalent is recommended. Required for students in Ophthalmic Dispensing curriculum; does not satisfy the laboratory science requirement for any curriculum.
G / 3 cr. hrs.

BY41‡ / BIO141
ZOOLOGY
Evolutionary approach to survey of animal kingdom. Topics include the origin of life, cell structure and molecular biology. Involves taxonomic study of structure and function of representatives of the major phyla as well as their ecology and life history. The vertebrate is covered in detail. Laboratory exercises parallel many of the lecture topics with emphasis on vertebrate dissection. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: MA07 or equivalent, high school biology and chemistry with laboratory. Required for students in Veterinary Science Technology curriculum; does not satisfy laboratory science requirement for any curriculum.
G / 3 cr. hrs.

BY42‡ / BIO242
ANIMAL PARASITOLOGY
Introduction to principles of basic parasitology with emphasis on identification, classification, life history, and prevention and control of internal and external parasites of economic importance to animal industry. In the laboratory, students develop routine procedures and techniques necessary to deliver accurate laboratory results in parasite examination. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: BY41 or permission of department. Required for students in Veterinary Science Technology curriculum; does not satisfy laboratory science requirement for any curriculum.
G / 3 cr. hrs.

BY44‡ / BIO244
GENERAL MICROBIOLOGY
Introduction to microbiology by a survey of methods, tools and techniques used in studying main groups of bacteria and other microorganisms and application of this knowledge in physical and chemical control of microorganisms. Relationship of microorganisms to disease is discussed. (3 hrs. lecture, 4 hrs. laboratory.) Prerequisite: BY32.
A-E-G / 4 cr. hrs.

BY46‡ / BIO246
ANATOMY AND PHYSIOLOGY OF HUMAN MOVEMENT
Detailed treatment of structure and function of muscular and skeletal systems and their nervous coordination, including those aspects of respiratory and circulatory systems pertaining to muscular function, cardiovascular physiology and physiology of exercise. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: BY30. Corequisites: BY32 and PT20.
A / 4 cr. hrs.

BY50-52‡ / BIO150-152
MODERN BIOLOGY I AND II
Comprehensive study of the basic processes in living organisms at the following levels of organization: molecules, cells, organs and organ systems, organisms and ecosystems. Evolution and ecology serve as the contexts in which bioenergetics, information transfer, biosystematics, morphology and physiology are studied. Designed for science majors. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisites: MA07 or equivalent and high school chemistry or permission of instructor. Prerequisite for BY52 is BY50.
A-E-G / 4 cr. hrs. each

BY62‡ / BIO262
GENETICS
Study of classical modes of inheritance and molecular genetics with emphasis on research techniques. Laboratory experiments using living organisms illustrate genetic principles and techniques. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: BY32 or BY50.
A / 4 cr. hrs.
BY67‡ / BIO267
BIOTECHNOLOGY AND MOLECULAR BIOLOGY I
Introduces study of molecular mechanisms underlying transmission and expression of genes. DNA replication and recombination examined. Both prokaryotic and eukaryotic systems analyzed, with emphasis on regulation of gene expression. Lab component teaches advanced laboratory techniques used in molecular biology and biotechnology laboratory. Includes basic DNA concepts, bacterial transformation, agarose gel electrophoresis, recombinant DNA technology including cloning, PCR cloning, prokaryotic gene expression; eukaryotic gene expression in yeast and higher plants (transformation); DNA extraction and purification; Polymerase chain reaction and its practical applications in industrial research and forensics laboratory; protein analysis using SDS PAGE and immunodetection. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: BY50. A / 4 cr. hrs.

BY69‡ / BIO269
BIOTECHNOLOGY AND MOLECULAR BIOLOGY II
Introduces advanced laboratory techniques used in molecular biology and biotechnology laboratories. Includes Southern blot probe preparation hybridization methods, protein technology such as polyacrylamide gel electrophoresis and Western blot, immunofocusing, protein purification and immunological essays. Includes library construction and library screening, DNA sequencing and other emerging techniques. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: BY67. A / 4 cr. hrs.

BY70‡ / BIO270
EMBRYOLOGY
Study of morphological and biochemical events occurring during development. Development of major organ systems in representative vertebrate species examined with emphasis on genetic and environmental factors involved in congenital malformations. (2 hrs. lecture, 4 hrs. laboratory.) Prerequisite: BY52 or BY32. A / 4 cr. hrs.

BY72‡ / BIO272
MICROBIOLOGY
Introduction to study of microorganisms and their environments. Introduces students to microbial physiology, microbial genetics (including recombinant DNA technology), immunology microbial ecology and evolution. Designed for science majors. (3 hrs. lecture, 4 hrs. laboratory.) Prerequisite: BY52 or permission of instructor. A / 4 cr. hrs.

BY81-84A / BIO251-253A
BY85-87G / BIO254-256G
BY88-90E / BIO257-259E
SPECIAL TOPICS IN BIOLOGY
Special and current topics in biology. Content varies from year to year. A-E-G / 3-4 cr. hrs. each

SE15 / ENV115
ENVIRONMENTAL ISSUES
Focuses on cause and effect relationship of pollution and environmental degradation. Emphasis on current environmental issues threatening well-being of earth's ecosystems, resources and populations. Special attention given to Long Island's environmental problems. E / 3 cr. hrs.
NOTE: Credit given for SE15 or SE28, but not both. Does not fulfill a laboratory science requirement.

SE28 / ENV128
CONTEMPORARY ENVIRONMENTAL PROBLEMS
Identifies and examines current environmental problems from viewpoint of environmental, social, political and economic consequences. Solutions are formulated and their impacts examined. A / 3 cr. hrs.
NOTE: Credit given for SE28 or SE15, but not both. Does not fulfill a laboratory science requirement.

SM27H / SCI127H
EVOLUTION AND SOCIETY
Honors course demonstrating that evolution is key to understanding biology and environment in which we live and also to understanding a number of issues that affect all citizens. Course introduces historical and mechanistic aspects of evolutionary biology. Implication of evolution for current social and political issues also considered. Intended to serve either as core course in Honors Program or as non-laboratory science elective in other programs. Open to all students in Honors Program and to others by permission of instructor or Honors Coordinator. (3 hrs. lecture, 1 hr. recitation.) Prerequisite: MA07 or equivalent. Exposure to high school or college science useful. A / 4 cr. hrs.

BIOTECHNOLOGY
NOTE: BT / BIT courses do not satisfy laboratory science requirements in any curriculum.

BT20‡ / BI1102
INTRODUCTION TO BIOTECHNOLOGY
Introduces basic skills and knowledge necessary for proper laboratory practices. Emphasis on laboratory safety, use of biological and molecular biology equipment, micropipetting, solution preparation and calculations, pH, proper data recording, determination of DNA and protein concentration using spectrophotometry, media preparation, antibiotic manipulation, bacterial culture, large scale plasmid preparation and other basic laboratory techniques. All techniques performed following standard protocols used in biotechnology industry and research laboratories. (4 hrs. laboratory). Prerequisite: high school chemistry and biology and MA27 or equivalent. A / 2 cr. hrs.
BT40 / BIT240
BIOTECHNOLOGY SEMINAR IN
BIOTECHNOLOGY I
Discussion of selected aspects of biotechnology and molecular biology. Topics include molecular methods
for detection, analysis and possible treatment of human disease; oncogenes and anti-oncogenes; infectious
disease and metabolic disorders, both simple (single gene) and complex, etc. (2 hrs. seminar). Prerequisite: BY67.
A / 2 cr. hrs.

BT41 / BIT241
BIOTECHNOLOGY SEMINAR IN
BIOTECHNOLOGY II
Includes speakers from biotechnology industry, field trips to biotechnology laboratories, special topics
such as radiation safety, quality control, resume writing and interviewing. (2 hrs. seminar). Prerequisite: BY69.
A / 2 cr. hrs.

BT56 / BIT256
BIOTECHNOLOGY INTERNSHIP
All students in biotechnology program must complete internship in either an industrial or academic lab in order to graduate. Internships provide opportunity for students to learn about biotechnology in a work setting and opportunity for companies to participate in student training and evaluate prospective employees. Provides practical experiences in field of biotechnology. Students who have completed most or all of their course work in biotechnology program are given opportunity to acquire work-related skills through cooperative effort with local biotechnology companies. Registration in this course requires that students purchase liability insurance through the college. Prerequisites: CH33, CH45, BY69 and BY72.
A / 3 cr. hrs.

BUSINESS ADMINISTRATION
Business: Law
BL40 / LAW101
INTRODUCTION TO LAW
Introduces an understanding of law through its forms, classifications and sources. Impact of law as
influenced by political, social and economic needs; legal rights and their enforcement; federal and state
court systems; and functions of administrative agencies. A study of the lawsuit, jurisdiction, pleadings,
preparation of forms and role of the paralegal. No prerequisite.
A-E-G / 3 cr. hrs.

BL41 / LAW103
INTRODUCTION TO
PARALEGAL STUDIES
Introduces roles that paralegals fill in the American legal system. Students examine ethical considerations of a paralegal and fundamental concepts a paralegal needs to understand. Includes materials designed to develop basic legal skills such as interviewing, investigation, research and writing as a foundation for the other courses in the paralegal program. No prerequisite.
A-G / 3 cr. hrs.

BL43 / LAW202
CIVIL LITIGATION
In-depth study of all tools and procedures available to an attorney in preparing for and conducting civil litigation. Emphasis placed on preparing motions, subpoenas, gathering evidence, documentation and witnesses. Prerequisites: BL40 and BL41 or approval of instructor.
A-G / 3 cr. hrs.

BL47 / LAW105
LAW OFFICE MANAGEMENT AND
PRACTICES
Serves as a basis for all types of law offices through a study of general management principles and practices applied to office operations. Includes billing practices, bookkeeping, filing, telephone techniques and correspondence. No prerequisite.
A-G / 3 cr. hrs.

BL50 / LAW260
PARALEgal INTERNSHIP
An internship program conducted in various Suffolk County government departments, private business
legal departments and private law offices. Students have opportunity to relate skills learned in the classroom to actual law office applications and to acquire experience in a law office setting. Registration in this course requires that students purchase liability insurance through the college. Internship hours: average of eight hours per week. Class meetings: a one-hour session per week. Prerequisites: BL47 and BL80. Students must also be Paralegal majors and receive permission of director of Paralegal program.
A-G / 3 cr. hrs.

BL51-54A / LAW251-254A
BL55-57G / LAW253-257G
BL58-60E / LAW258-260E
SPECIAL TOPICS IN BUSINESS LAW
Special and current topics in Business Law. Content varies from year to year.
A-E-G / 3 cr. hrs. each

BL70 / LAW111
LAW FOR BUSINESS
Introductory course exploring most significant activities in business law with emphasis on specific knowledge essential for managers in workplace. No prerequisite.
A-E-G / 3 cr. hrs.
NOTE: Credit given for BL70 or the combined sequence of BL71/BL72, but not both.

BL71 / LAW111
BUSINESS LAW I
Introduction to law: law as a social institution, its origin, development and administration; law of contracts, agency, employment, insurance, government regulations of business. Emphasis on personal property, bailments and real property. No prerequisite.
A-E-G / 3 cr. hrs.
NOTE: Credit given for the combined sequence of BL71/BL72 or for BL70, but not both.
BL72 / LAW212
BUSINESS LAW II
A-E-G / 3 cr. hrs.

NOTE: Credit given for the combined sequence of BL71/BL72 or for BL70, but not both.

BL75 / LAW215
LAW OF PROPERTY
Study of property ownership, closings, property management, property financing, and instruments pertaining thereto including development of consumer rights and usury statute analysis. Students trained to assist in investigation, preparation and maintenance of records necessary to perform the above services in a corporate law department or law office. Prerequisites: BL40 and BL41 or approval of instructor.
A-G / 3 cr. hrs.

BL78 / LAW218
DOMESTIC RELATIONS
Complete study of the substantive law of domestic relations. Includes law of marriage, adoption, divorce, annulment, separation, family obligations, etc. Also explores matrimonial actions and various procedures employed therein. Prerequisites: BL40 and BL41 or approval of instructor.
Enrollment open only to students in Paralegal curriculum.
A-G / 3 cr. hrs.

BL80 / LAW240
LEGAL RESEARCH
Provides an understanding of functions of the law library and develops research skills through use of digests, encyclopedias, reporter systems and practice manuals. Requires participation in drafting special research projects and preparation of pleadings. Prerequisites: BL40 and BL41 or approval of instructor.
A-G / 3 cr. hrs.

BL82 / LAW242
NEGLIGENCE AND INVESTIGATIONS
Study of fundamental principles of law of negligence and investigation techniques required in handling of negligence and insurance claims. Interviewing of witnesses, signed statements, photographs, diagrams and sketches, accumulating and collating accident reports, weather reports and other pertinent information from police, hospital and public records are studied. Prerequisites: BL40 and BL41 or BR32.
A-G / 3 cr. hrs.

BL84 / LAW244
PARTNERSHIP AND CORPORATION LAW
Review of legal aspects in formation of business entities, including sole proprietorship, partnership and corporation, with a survey of fundamental principles of law applicable to each and preparation of documents necessary to organization and operation of each. Prerequisites: BL40 and BL41 or approval of instructor.
A-G / 3 cr. hrs.

BL86 / LAW246
ESTATES, TRUSTS AND WILLS
Study of wills and trusts and survey of fundamental principles of law applicable to each. Also, a study of organization and jurisdiction of surrogates court, detailed analysis of administration of estates and review of estate and inheritance taxes applicable to such estates. Prerequisites: BL40 and BL41 or approval of instructor.
A-G / 3 cr. hrs.

BL87 / LAW250
ESTATE, TRUST AND GIFT TAXATION
Taxation of estates, gifts and trusts from point of view of the law practice. Problems frequently encountered in a law office in these areas are stressed, as is tax planning, maintenance of proper records and preparation of forms and returns which are required. Both federal and New York State law are covered, as are the new unified transfer tax and the new generation shipping transfer. Prerequisites: BL40 and BL41 or approval of instructor.
A-G / 3 cr. hrs.

Business: Management

BA11 / BUS101
INTRODUCTION TO BUSINESS
Delves into the most significant activities in business. Topics include ownership, organization, marketing, purchasing, production, business finance, personnel, labor relations and government regulation. Recommended as background for further studies in business. No prerequisite.
A-E-G / 3 cr. hrs.

BA12 / BUS103
MANAGEMENT OF INFORMATION TECHNOLOGY
Introduces processes of project definition, project planning, project implementation/control and project termination skills. Explores case studies utilizing Microsoft Project and introduces use of PERT and Gantt charts, flow diagrams, etc. Utilizes Microsoft Office components to produce project status reports and proposals. Explores skills such as collaboration, prioritization, scheduling, budgeting, cost control and contracts. Prerequisites: CS11, or IP12 and CS22 or permission of academic chair or area dean.
A-E-G / 4 cr. hrs.

BA15 / BUS105
PERSONAL FINANCIAL MANAGEMENT
Gives students basic knowledge of principles, practices and techniques in handling their own personal financial affairs in a businesslike manner. Relative advantages and disadvantages of savings accounts, checking accounts, charge accounts, credit cards, revolving credit, installment loans, life insurance, health insurance, casualty and automobile insurance, renting versus buying, amortized mortgages, investing in mutual funds, and stocks and bonds are discussed in detail. No prerequisite.
A-E-G / 3 cr. hrs.

‡ Course Fee
Business: Management

BA21 / BUS107
BUSINESS MATHEMATICS
Use of mathematics in various business applications. All problem solving is accomplished through arithmetic methods (no algebra is required.) Topics include percentages, simple and compound interest, discount interest, marketing computations, insurance, basic taxes and investment problems. Does not satisfy mathematics/science elective requirements.
A-E-G / 3 cr. hrs.

NOTE: Credit given for BA22 or CS11, but not both.

BA22 / BUS112
COMPUTING FOR BUSINESS
A-E-G / 4 cr. hrs.

BA25 / BUS117
BUSINESS COMMUNICATIONS
Principles of business communication as they relate to the contemporary business organization. Emphasis on management approaches and solutions to communication problems unique to the business community. Topics include word/information processing, employment communication, and effective preparation of business correspondence and reports. Resume writing and marketing oneself for the job search is explored. Prerequisite: EG11 or permission of instructor.
A-E-G / 3 cr. hrs.

BA29 / BUS109
SUPERVISION: CONCEPTS AND PRACTICES
Study of supervisory functions from viewpoint of the first-line supervisor. Emphasis on concepts of supervision and practices used by first-line supervisors in putting them into effect. Gives students actual practice through discussions of case problems arising from work situations. For students enrolled in certificate or A.A.S. business programs who plan to enter the business world immediately upon graduation. No prerequisite.
A-E-G / 3 cr. hrs.

BA37 / BUS113
MANAGEMENT FOR OPTICIANS
Provides practicing eye-care personnel and ophthalmic dispensing students with essential skills to operate an optical business. Covers organization and administration of optical office, management of personnel, relations with optical clients, and internal operations and procedures as they pertain to operating an eye-care office. Additionally, contact lens management and specialized areas of optical field are explored. Team-taught by faculty of Business Administration Department and Ophthalmic Dispensing Program. No prerequisite.
G / 3 cr. hrs.

BA42 / BUS114
PROFESSIONAL DEVELOPMENT
Integrates skills and attitudes necessary to succeed in the workplace. Recent business surveys indicate that the great majority of all job dismissals are due to personality difficulties and image problems. Students need to develop a “professional presence” to succeed in the work place. Students can apply what they have learned and are learning in their own current work situation. Emphasizes practical side of the theory of success on the job. No prerequisite.
A-E-G / 3 cr. hrs.

BA51 / BUS201
MANAGEMENT PRINCIPLES AND PRACTICES
Study of basic managerial functions of planning, organizing, staffing, direction and control. Emphasis on theory of management, organization and executive leadership. Case studies of actual business situations present problems requiring executive decisions for solution. Prerequisite: BA11 or HF11 for Travel and Tourism students only.
A-E-G / 3 cr. hrs.

BA52 / BUS121
OFFICE MANAGEMENT
Introduces scope and responsibilities of administrative office management. Topics include planning, organizing, operating and controlling office operations; leadership and human relations factors; and an overview of the effect office technology has had on the business world including telecommunications, reprographics, office systems, records management, data processing, word processing and voice processing.
A-E-G / 3 cr. hrs.

BA53 / BUS123
ENTREPRENEURSHIP
Study of environment of small business and functions and philosophy of entrepreneur. Topics include problems in initiating and achieving success in new small business, including financing, marketing, management and legal governmental relationships involved. No prerequisite. Recommended corequisite: BA54.
A-E-G / 3 cr. hrs.

BA54 / BUS125
THE BUSINESS PLAN
Teaches students how to write a business plan, which is a detailed analysis of a company. Provides an explanation of industry in which the company will compete, the company’s goals, objectives, and a plan to achieve these goals. Corequisite: BA53.
A-E-G / 3 cr. hrs.

BA55 / BUS127
ORGANIZATIONAL BEHAVIOR
Study of the nature of people in a business environment, significance of work, and the human resource. Topics include job satisfaction and motivation, formal and informal work groups, organization and authority, employee relations with the public, decision making and problem solving, the needs and goals of both people and the business environment. No prerequisite.
A-E-G / 3 cr. hrs.
BA56 / BUS129  
**HUMAN RESOURCES MANAGEMENT**

Study of purposes, objectives and techniques of personnel administration. The role of personnel administration, human relations, procurement, interviewing, selection and training of personnel, labor relations, research and control of the personnel functions. No prerequisite.  
A-E-G / 3 cr. hrs.

BA57 / BUS131  
**PRINCIPLES OF TRAINING AND DEVELOPMENT**

Creation, monitoring and evaluation of the training and development function. Specifically, course involves fundamentals of training needs assessment and establishing/developing/implementing a training program. Assessments and evaluation of these programs are reviewed. Ethics and social responsibility in the workplace also discussed. Prerequisite: BAT1 or BA56 or permission of instructor.  
A-E-G / 3 cr. hrs.

BA58 / BUS133  
**LABOR-MANAGEMENT RELATIONS**

Practical study of labor management relations with emphasis on collective bargaining practices and the law. Reviews Wagner Act, Taft-Hartley Act, Taylor Law, and related aspects of civil service law. Trends and current attitudes in labor-management relations in both public and private sector are examined and discussed. No prerequisite.  
A-E-G / 3 cr. hrs.

BA59 / BUS203  
**NEW VENTURE MANAGEMENT**

Expands on fundamentals taught in BA53 and BA54. Teaches students managerial and supervisory concepts necessary to succeed as entrepreneurs and/or entrepreneurial managers who have stake in new venture's success. Students gain practical experience by participating in multimedia computer simulation which allows students to experience owning a business for its first twelve months of operation. Prerequisites: BA53 and BA54.  
A-G / 3 cr. hrs.

BA61 / BUS135  
**INTRODUCTION TO E-COMMERCE**

Introduction to e-commerce and how it is conducted and managed. Explores opportunities, limitations, issues and risks involved with e-commerce. Interdisciplinary nature of topic should interest managers and professional people in a functional area of business world. No prerequisite.  
A-E-G / 3 cr. hrs.

BA62 / BUS141  
**FUNDAMENTALS OF INTERNATIONAL BUSINESS**

Familiarizes business students with international business concepts and practices. Special attention given to organizational structure of international business; letters of credit; bills of exchange; foreign drafts; technical procedures; documentation; foreign, consular, and domestic regulations; foreign credits; insuring and financing; and exports. No prerequisite.  
A-E-G / 3 cr. hrs.

BA63 / BUS143  
**FUNDAMENTALS OF EXPORTING AND IMPORTING**

Introduction to export/import practices of small- and medium-sized firms. Provides a practical, step by step, techniques-oriented guide in managing and marketing export/import business, from assessment of its feasibility to successful completion. Students develop understanding of international trade regulations and requirements, procedures and documentation, and intermediaries facilitating flow of goods and services. Prerequisite: BA62 or permission of instructor.  
A-G / 3 cr. hrs.

BA64 / BUS205  
**INTERNATIONAL FINANCIAL MANAGEMENT**

International finance in business. Topics include strategy and motivation for direct foreign investment, balance of payment accounts, international banking operations, lending and investment criteria, governmental programs to promote exports, trade restrictions, foreign currency markets and exchange controls, and import/export financing. Prerequisite: BA62 or permission of instructor.  
A-G / 3 cr. hrs.

BA65 / BUS207  
**TOTAL QUALITY MANAGEMENT**

Provides students with an understanding of principles of company-wide quality management, tools for planning a quality program, total quality management (TQM) philosophy, statistical process control techniques, and planning models for efficient problem analysis and solution implementation. Students introduced to theories of Deming, Ishikawa, Juran and Crosby. Careers in area of TQM are explored. Prerequisite: BA51; corequisite: MA23.  
A-G / 3 cr. hrs.

BA68 / BUS208  
**CASE STUDIES IN BUSINESS ADMINISTRATION**

Advanced capstone course for Business Administration (A.S., 207) majors taken final semester before graduation. Working individually and in teams, students integrate, strengthen, expand, apply and document business administration skills and competencies. Through solution of case studies, students demonstrate abilities to think critically, solve managerial, quantitative, and ethical business problems, and utilize contemporary business-related technology. Other active learning assignments may be included as students exercise effective business management and leadership skills and develop global business mindset. Prerequisites: completion of at least 45 credits in the Business Administration A.S. degree curriculum (207-1), including EG11, AC12, BA51, BD57 and BL71.  
A-E-G / 1 cr. hr.
BA70 / BUS 209

ISSUES IN CONTEMPORARY BUSINESS
Advanced capstone course for Business Administration (A.A.S., 315) majors taken final semester before graduation. Working individually and in teams, students demonstrate abilities to think critically, solve managerial, quantitative and ethical business problems, utilize business-related technology, and exhibit effective leadership in response to current business events and case studies. Through variety of learner-centered activities, students assemble portfolios documenting effective communication skills, understanding, and practical knowledge of business administration. Prerequisite: completion of at least 45 credits in 315 curriculum, including BA11, AC11, BD57, BL70 and a business elective.
A-E-G / 3 cr. hrs.

BA73 / BUS 211

INTERNATIONAL BUSINESS PRACTICE FIRM
Using international business model, students work as team members in simulated business firm in state-of-the-art facility. Students perform various business functions including strategic planning, human resource management, accounting, marketing and business communications as firm transacts business with students in other simulated companies in United States and around world. Students practice business principles and practices through participation in decision making, critical thinking and team building activities. Prerequisite: BA11 or BA62 or permission of area administrator.
A-E-G / 3 cr. hrs.

BA71-74A / BUS 271-274A
BA75-77G / BUS 275-277G
BA78-80E / BUS 278-280E

SPECIAL TOPICS IN BUSINESS MANAGEMENT
Special and current topics in business management. Content varies from year to year.
A-E-G / 3 cr. hrs. each

Business: Marketing

BD57 / MKT 101

MARKETING
Introduction to fundamental marketing management theories, practices and problems. Attention directed to marketing strategies including distribution, pricing, promotion and product. In addition, consumer behavior and government regulation are examined in a marketing context. Current events and case problems are integrated with standard course material for discussion. No prerequisite.
A-E-G / 3 cr. hrs.

BD58 / MKT 201

CASES IN MARKETING MANAGEMENT
Advanced course in marketing management which focuses on major types of decisions facing the marketing executive in attempts to harmonize objectives and resources of the firm with opportunities found in the marketplace. Strengthens student’s ability to analyze these complex marketing situations and to further define and select optimum alternatives through proper application of current marketing theory. Extensive use made of recently published marketing management case studies. Prerequisite: BD57.
G / 3 cr. hrs.

BD59 / MKT 1107

CONSUMER BEHAVIOR
Examination of theories and research findings relating to consumer motivation and behavior. Employs an interdisciplinary approach by utilizing disciplines of anthropology, psychology, economics and sociology to understand consumers, their preferences, their decisions and spending behavior, role of motivation, and use of such information as applied in marketing.
G / 3 cr. hrs.

BD63 / RET 111

RETAIL PRINCIPLES
Study of the retail organization, its structure, its personnel and merchandising policies, including introduction to various careers in retailing. Fundamental principles of locating, establishing and operating a retail store are developed. No prerequisite.
A-E-G / 3 cr. hrs.

BD64 / RET 112

RETAILING BUYING AND MERCHANDISING
Presents basic knowledge of the buyer’s role in department store and chain operation. Involves a study of resources, buying techniques, and relationships with resident buying offices. Attention given to such merchandising data as prices, markdowns, stock turnover, markups and planning of stocks and purchases. Prerequisite: BD63.
A / 3 cr. hrs.

BD65 / RET 115

INTRODUCTION TO THE FASHION BUSINESS
Surveys types of business enterprises, activities, operational processes, and their varied interrelationships in the fashion business. Concentration placed on developments and trends of major sectors of the marketing of fashion: primary market, secondary market and retailing. No prerequisite.
A / 3 cr. hrs.

‡ Course Fee
BD68 / RET201
RETAIL STORE OPERATIONS AND ADMINISTRATION
Study of day-to-day management of the store and its component departments. Emphasis given to functions commonly performed by retail managers during their first years following graduation from college. Major topics include management of personnel, inventory and equipment; store security; and administration of merchandising plans. Prerequisite: BD63. (offered fall semester only) A / 3 cr. hrs.

BD69 / RET211
CONTEMPORARY ISSUES IN RETAIL MANAGEMENT
Analysis of the retail manager’s operation including techniques employed in the vital areas of buying, pricing, selling and controlling of expenses. Actual case studies utilized to develop insight into problems confronting today’s retailer. Prerequisites: BD63, BD64 and BD68. (offered spring semester only) A / 3 cr. hrs.

BD70 / MKT213
ADVERTISING
Study of procedures and techniques of advertising. Special attention given to purposes of advertising, creating advertising ideas, writing copy, trademarks, fundamentals of advertising layout, selecting and using media, market research, and the advertising agency. No prerequisite. A-E-G / 3 cr. hrs.

BD73 / MKT216
PRINCIPLES OF SALES
Study of basic principles of successful selling. Consideration of place of the salesperson in our competitive economy, developing a sales-winning personality, and the “selling cycle” from prospecting through closing the sale. Films and practice sales presentations by students are included. No prerequisite. A-E-G / 3 cr. hrs.

BD79 / MKT218
MARKETING RESEARCH
Techniques of doing market research, its application, methods of gathering information, sampling methods, analysis and final report writing. Prerequisites: BD57 and MA23. G / 3 cr. hrs.

BD80 / MKT220
INTERNATIONAL MARKETING
Examines the marketing process and changing global environment. Focuses on problems, policies and strategies involved in marketing products in foreign markets. Prerequisite: BD57. A-G / 3 cr. hrs.

Business: Special Topics

BU15 / BUS115
COLLEGE/WORKPLACE SKILLS SEMINAR
Introduces business student to general skills needed for success in workplace. Connects the college experience and its impact on students’ skills necessary to compete in world of work. Fulfills Freshman Seminar requirement for students in accounting, business-related and paralegal curricula. A-E-G / 1.5 cr. hrs.

‡ Course Fee

BU80 / BUS150
COOPERATIVE EDUCATION IN BUSINESS
Cooperative Education is supervised on-the-job training directly related to a student’s academic major and career interest. Co-op students integrate classroom theory with practical work experience. Through a required weekly seminar, students receive instruction in employment communications and discuss work station learning experiences. Students must be available to work a minimum of 10 hours per week. Interested students should contact appropriate program coordinator on their campus for more information. Registration in this course requires that students purchase liability insurance through the college. Prerequisites: completion of a minimum of 24 credit hours (12 credits being in the business area, with the exception of CS students), a minimum overall grade point average of 2.5, and permission of appropriate co-op coordinator, area chairperson and/or area assistant dean. (At Eastern Campus offered only in spring semester.) A-E-G / 3 cr. hrs.

BU15 / BUS151
DISNEY COOPERATIVE
Offers entry-level and advanced internships to students from all over the world. Preference given to students having successfully completed 24 credits with at least a 2.5 grade point average, although consideration given on an individual basis. Students must speak to a co-op representative prior to interviewing for position with Disney recruiter. Students work and attend class(es) while living at Disney housing complex. Registration in this course requires that students purchase liability insurance through the college. A-E-G / 3 cr. hrs.

CHEMICAL DEPENDENCY COUNSELING

CD11 / CDC111
CHEMICAL DEPENDENCY IN AMERICAN SOCIETY
Comprehensive exploration of historical, pharmacological, social and psychological aspects of abuse of and addiction to substances by society. Explores society’s attitudes and misconceptions about substance use and reviews current theories of addiction treatment and prevention for both addicts and significant others. A-E-G / 3 cr. hrs.

CD15 / CDC115
DYNAMICS OF ADDICTION
In-depth exploration of biological, psychological and social theories of substance use, abuse and addiction with emphasis on their implications for prevention and treatment. Related addictive behaviors including concept of co-dependence are studied. Prerequisite: CD11 or permission of department. E-G / 3 cr. hrs.
Chemical Dependency Counseling

CD20 / CDC120
CHEMICALLY DEPENDENT
FAMILY SYSTEMS
Comprehensive exploration of effects of addiction and dysfunction on nuclear and extended family systems. Focuses on identification, education and treatment of “significant others” who may be affected by a person’s substance abuse or addiction. Prerequisite: CD11 or permission of department.
A-E-G / 3 cr. hrs.

CD25 / CDC225
CRIMINAL JUSTICE SYSTEM AND
CHEMICAL DEPENDENCY
Exploration of formal and informal responses of criminal justice system to crimes and social disorder related to alcohol/substance abuse. Includes analysis of effectiveness of both law enforcement and diversionary strategies to combat endemic problems of controlled substances and alcohol. Prerequisite: CD11 or permission of department. G / 3 cr. hrs.

Note: Courses designated CD30 and above are restricted to students who have been accepted into the Chemical Dependency Counseling curriculum.

CD30 / CDC230
PROFESSIONAL DOCUMENTATION:
DATA COLLECTION, ASSESSMENT,
TREATMENT PLANNING
Comprehensive examination of all documentation utilized in various health system agencies, with particular attention to those agencies specializing in alcohol/drug treatment. Includes actual preparation of various professional materials, i.e., psychosocial data and assessments, treatment plans, clinical reports, progress notes and other specialized material. Prerequisite: CD11 or permission of department. G / 3 cr. hrs.

CD35 / CDC235
TECHNIQUES FOR COUNSELING THE
CHEMICALLY DEPENDENT CLIENT
In-depth examination of basic precepts of helping relationships. The student studies and practices client interviewing, goal setting, development and implementation of a client action plan, and how to promote client motivation. Emphasizes working with the chemically dependent client. Prerequisites: HC44, CD15 and CD20 or permission of department. G / 3 cr. hrs.

CD40 / CDC240
CHEMICAL DEPENDENCY
EDUCATION AND PREVENTION
History of substance abuse prevention efforts with emphasis on various approaches to the problem and evaluation of their effectiveness. Includes evaluation of needs of special populations within the larger community. Current theory and practice are reviewed through a study of several actual prevention programs. Students expected to develop and present a prevention lesson in the class. Prerequisite: CD11 or permission of department. G / 3 cr. hrs.

CD46 / CDC246
ADVANCED TECHNIQUES FOR
COUNSELING THE CHEMICALLY
DEPENDENT CLIENT
Advanced counseling and therapy concepts and techniques that apply to assessment, diagnosis and treatment modalities for addictions and for psychosocial conditions that may coexist with the chemical dependency condition. Also addresses collateral treatment concerns for “significant other” persons involved with the chemically dependent client as well as appropriate uses of supervision, peer support, professional affiliations, and continuing professional education for the practitioner. Working with health professionals on the treatment team emphasized. Prerequisite: CD35.

CD50 / CDC250
HABILITATION AND REHABILITATION
OF THE CHEMICALLY
DEPENDENT CLIENT
Development and implementation of the Vocational and Educational Treatment Plan with the chemically dependent individual (alcohol/substance.) Prerequisite: CD11 or permission of department. G / 3 cr. hrs.

CD55‡ / CDC255
CD56‡ / CDC256
FIELD PRACTICUM OR COOPERATIVE
EDUCATION IN CHEMICAL
DEPENDENCY COUNSELING
Integrates theory with actual practice in a clinical setting. Students perform intake interviews and assessments, develop treatment plans, do counseling and present intervention and education approaches, all within the context of the legal, ethical and professional responsibilities of the chemical dependency counselor. Involves off-campus fieldwork: a minimum of 270 hours of clinical experience and 30 hours of supervision. Students attend two-hour, weekly on-campus supervision seminars. Internship placements must be in a licensed chemical dependency counseling center and be supervised by a qualified professional. Students should take CD55 or CD56 in their final semester of study. (18 hrs. clinical, 2 hrs. seminar.) Prerequisites: CD20, CD25 and CD35. Corequisite: CD46. G / 7 cr. hrs. each

NOTES: Registration in either of these courses requires that students contact program coordinator in the semester prior to enrollment in course to obtain permission and vital information.

Registrants in CD55/56 must:

- purchase liability insurance through the college;
- file a Physician’s Certificate;
- complete other requirements prior to the beginning of the class. Please contact program coordinator for information.

‡ Course Fee
CD61-64G / CDC161-164G
SPECIAL TOPICS IN CHEMICAL DEPENDENCY COUNSELING
Special and current topics in chemical dependency counseling. Content varies from year to year. G / 3 cr. hrs. each

CD61 / CDC161
ISSUES IN CHEMICAL DEPENDENCY COUNSELING
Special topics course presenting new developments in field of Chemical Dependency Counseling (CDC). Intended for advanced CDC students and professionals working in the field. Topics may include treatment issues, special concerns for female clients, multicultural issues, legal issues, as well as others. Students expected to be active participants and contribute to learning process. Prerequisites: CD11, CD15, CD30, CD35 or professional status. G / 3 cr. hrs.

CHEMISTRY
Note: Safety goggles must be worn in all chemistry laboratories.

CH19‡ / CHE100
GENERAL CHEMISTRY
One-semester course for students enrolled in health careers or other curricula. Lecture topics include atomic structure, bonding, chemical equations, energy and change, gas laws, acid-base chemistry, solutions, and chemical equilibria. Prepares students for enrollment in subsequent chemistry courses. Laboratory techniques are introduced and followed by experiments which illustrate basic principles presented in lecture. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: MA07 or High School Sequential Math I. A-E-G / 4 cr. hrs.

CH29‡ / CHE122
FOUNDATIONS OF COLLEGE CHEMISTRY
One-semester course presenting chemical principles, specifically designed for students enrolled in a science or engineering curriculum who plan to enroll in a one-year course in college chemistry (CH33-34). Lectures provide introduction to general principles, laws of chemical combination, thermochemistry, electrochemistry and chemical equilibrium. Laboratory work illustrates basic principles presented in lectures. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: MA07 or high school Sequential Math I. Corequisite: MA27 or permission of department. A / 4 cr. hrs.

NOTES:
1. When CH29 is not available, CH19 may be substituted with permission of department.
2. CH29 may not be used as a substitute for CH33.
3. Neither CH19 nor CH29 may be taken after a student has completed CH33 or its equivalent.
4. Credit given for CH29 or CH19, but not both.

CH33-34‡ / CHE133-134
COLLEGE CHEMISTRY I AND II
Two-semester sequence for students whose emphasis is chemistry, biology, engineering, medicine or dentistry. Includes study of general principles, laws of chemical combination, thermodynamics, electrochemistry and chemical equilibrium. Laboratory work is basically quantitative in nature and emphasizes experimental techniques and study through observation. Second semester places emphasis on equilibrium through study of inorganic qualitative analysis. (3 hrs. lecture, 1 hr. recitation, 3 hrs. laboratory.) Prerequisites: CH19 or CH29 or permission of Academic Chair/Area Dean and MA61. A-E-G / 4 cr. hrs. each

CH45‡ / CHE200
PRINCIPLES OF ORGANIC AND BIOCHEMISTRY II
Basic principles of organic chemistry and chemistry of physiologically significant compounds. Lecture topics include discussion of properties and preparations of major families of organic compounds with emphasis on biologically important compounds such as proteins, carbohydrates and vitamins. Laboratory reinforces basic techniques employed in general chemistry, illustrates representative mechanisms, and introduces techniques and procedures encountered in organic preparations and analysis. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: CH19, CH29 or CH33, or permission of department. A / 4 cr. hrs.

‡ Course Fee
CH55-56‡ / CHE250-251
ORGANIC CHEMISTRY I AND II
Two-semester sequence presenting theory, nomenclature, preparation, fundamental reactions and reaction mechanisms of both aliphatic and aromatic compounds, including behavior of the major functional groups. Both chemical and instrumental methods of organic analysis, including separation and structure elucidation techniques, are developed. Basic laboratory techniques are taught and representative compounds are prepared. Some products prepared in the laboratory are characterized utilizing chromatographic and instrumental techniques. (3 hrs. lecture, 1 hr. recitation, 4 hrs. laboratory.) Prerequisite: CH34 or permission of instructor. A / 5 cr. hrs. each

CH61-64A / CHE261-264A
CH65-67G / CHE265-267G
CH68-70E / CHE268-270E

SPECIAL TOPICS IN CHEMISTRY
Special and current topics in chemistry. Content varies from year to year. A-E-G / 4 cr. hrs. each

CINEMA STUDIES

CN17‡ / CIN111
CINEMA STUDIES I: FROM KINETOPOSCAPES TO KANE
Traces origin and development of motion pictures from early Lumiere films to pre-WWII era. Includes screenings, analysis and discussion of significant films representing such topics as evolution of film grammar, German Expressionism, Soviet montage and American studio system. No prerequisite.
A-E-G / 3 cr. hrs.

CN18‡ / CIN112
CINEMA STUDIES II: FROM NOIR TO NOW
Traces development of motion pictures from WWII era to present. Includes screenings, analysis and discussion of significant films representing such topics as Film Noir, Italian Neorealism, French New Wave, emergence of national cinema, and American independent film. No prerequisite.
A-E-G / 3 cr. hrs.

CN19‡ / CIN117
DIGITAL FILMMAKING I
Introduction to pre-production, production and post-production techniques of digital filmmaking with emphasis on principles of narrative film practices. Digital camcorders, computer-based non-linear editing and other equipment available. A / 3 cr. hrs.

CN20‡ / CIN118
DIGITAL FILMMAKING II
Provides opportunity to practice advanced production and editing techniques such as multiple-subject staging, split-editing of sound and picture, various montage styles, continuity and voice-over narration. Students develop production assignments in consultation with instructor. Prosumer digital video cameras, computer-based non-linear editing and other equipment available. Prerequisite: CN19 or permission of instructor. A / 3 cr. hrs.

CN21 / CIN113
AMERICAN CINEMA
Introductory telecourse in film studies that surveys American film industry as an art form, an industry and a system of representation and communication. Explores how Hollywood films work technically, aesthetically and culturally to reinforce and challenge America’s national self-image. No prerequisite.
A-E / 3 cr. hrs.

CN22 / CIN122
INTRODUCTION TO CINEMA SCREENWRITING

CN41-43A / CIN 241-243A
SPECIAL TOPICS IN CINEMA STUDIES,
Special and current topics in Cinema Studies. Content varies from year to year. A-E-G / 4 cr. hrs. each

CN56 / CIN56
THE DOCUMENTARY FILM
Traces development of documentary film through viewing films, reading critical essays, and discussing and writing about the films. Students analyze films focusing on cinematic elements such as point of view and narrative. Students examine films as statements by individuals living within a particular cultural framework, as instruments of propaganda, as entertainment, and as devices which expand our perspectives of world around us. Prerequisite: EG11. (Same as EG56.)
A-G / 3 cr. hrs.
Note: Credit given for CN56 or EG56, but not both.

COLLEGE SEMINARS

OS15 / COL101
FRESHMAN SEMINAR
Methods and techniques students can adopt to promote their perseverance and success at the college. Specific topics include college procedures and resources, academic advisement, time management, goal-setting, test and note taking, health issues and other areas related to student success in college. Students are expected to enroll in this class in their first semester. A-E-G / 1.5 cr. hrs.
Note: The OS15 requirement can also be satisfied by OS20: Personal Growth and College Life; LR11: Research Essentials: The Library and the Internet; LR15: Library Research Methods; WS12: Women's Seminar; BU15: College/Workplace Skills Seminar (for students in accounting and business-related curricula), and NR15: Seminar for Nursing Students (only for students in the A.A.S. degree Nursing curriculum).
OS20 / COL105
PERSONAL GROWTH AND COLLEGE LIFE
Intensified version of OS15 intended primarily for students in developmental programs. In addition to teaching specific techniques for student success such as study skills, library use, test taking strategies, goal setting, and time management, this seminar specifically addresses non-academic student needs upon which academic survival may depend. In addition, it provides regularly scheduled time for individual tutoring and counseling. A-E-G / 3 cr. hrs.

OS30 / COL120
PORTFOLIO PREPARATION
Provides adults with a vehicle for identifying and demonstrating college-level learning achieved outside the classroom. Students provided with necessary information and techniques for choosing a degree program and preparing a portfolio that describes and documents the learning. The portfolio may then be presented to the faculty for evaluation. A-E-G / 1 cr. hr.

OS40-42E / COL140-142E
OS43-46A / COL143-146A
OS47-49G / COL147-149G
SPECIAL COLLEGE SEMINAR TOPICS
Special and current College Seminars-related topics in personal and academic development. Content varies from year to year. A-E-G / 1-3 cr. hrs. each

OS40E / COL140E
LIFE PLANNING AND CAREER DEVELOPMENT
Special topics course providing systematic approach to making career-related and life decisions. Through a variety of assessments, inventories and exercises, students identify their values, motivation, interests, skills and personality styles and learn how to integrate their preferences with career opportunities. Students also learn how to research career options, assess academic and training needs and set goals while acquiring an understanding of rapidly changing employment trends. Fulfills an unrestricted elective in a liberal arts curriculum. Prerequisite: successful completion of 12 college credits including EG11. E / 3 cr. hrs.

COMMUNICATIONS
CO10 / COM110
SPEECH IMPROVEMENT
Imparts confidence and improved speaking style. Students work on individual and group activities to improve articulation, pronunciation, projection, rate, intonation and language usage. No prerequisite. A-E-G / 3 cr. hrs.

CO11 / COM101
INTRODUCTION TO HUMAN COMMUNICATION
Introduces field of communication studies. Through practice and lecture, students study areas such as public speaking, discussion, semantics, dyadic communication, critical listening and related areas. No prerequisite. A-E-G / 3 cr. hrs.

CO12 / COM102
INTERPERSONAL COMMUNICATION
Stresses development of interpersonal skills necessary for building and maintaining productive and positive relationships in a variety of work and social settings. Topics include interpersonal trust, self-disclosure, assertiveness, conflict and conflict management. Students study various theories of interpersonal communication and practice interpersonal skills in class. No prerequisite. A-E-G / 3 cr. hrs.

CO13 / COM111
VOICE AND DICTION
Studies nature of speech and voice mechanism in order to provide individualized training for improvement of voice quality and articulation. Emphasis placed on respiration, phonation, resonance, articulation and the phonetic basis of speech. Not designed to provide therapy for students with severe speech disorders. A-G / 3 cr. hrs.

CO14 / COM112
AMERICAN ENGLISH PRONUNCIATION AND DICTION
Intended to help those students who, as speakers of English as a second language, are self-conscious or fearful about how they sound to native speakers or worry that their accents will interfere with educational or employment opportunities. Not intended to make them lose their accents, a goal which is neither realistic nor desirable. The goal is to make speech in the new language clear and understandable so that the student can speak it with confidence in all situations. Prerequisite: ESL Level 5, or permission of instructor or director of ESL program. A-E-G / 3 cr. hrs.

CO15 / COM105
PUBLIC SPEAKING
Introduction to essential steps in preparing and presenting speeches. Structured exercises and presentations are used to help students master each phase, including topic selection, audience analysis, research content, organization, style and delivery. No prerequisite. A-E-G / 3 cr. hrs.

CO21 / COM131
THEORIES OF PERSUASION
Study of theories used to create verbal and visual strategies designed to influence thinking and behaviors of individuals and groups. Also examines application of these theories to advertising, marketing, community affairs, political campaigns and public relations. No prerequisite. A-E-G / 3 cr. hrs.
Courses - Communications — Computer Art

CO22 / COM133
FREEDOM OF SPEECH
Reviews thinking and events in Western culture that gave rise to freedoms of expression guaranteed by the First Amendment to the U.S. Constitution. In addition, the course examines key issues and court decisions concerning social, political, artistic and commercial communications. No prerequisite.
A-G / 3 cr. hrs.

CO23 / COM202
INTERCULTURAL COMMUNICATION
Explores how cultural differences influence communication. Emphasis on theories, concepts, research findings and practice in intercultural settings. Activities are designed to promote cultural sensitivity, enabling students to confront their own assumptions and cultural biases, and increase their intercultural communication competence. Prerequisite: CO11 or CO12.
A-G / 3 cr. hrs.

CO24 / COM113
COMMUNICATION DISORDERS IN CHILDREN
Introduction to common speech, hearing and language problems in children. Normal speech and language acquisition; etiology, diagnostic and therapeutic procedures; and role of parents, educators and speech clinicians is examined. No prerequisite.
A / 3 cr. hrs.

CO27 / COM107
SMALL GROUP COMMUNICATION
Application of communication skills to problem solving in small group context. Emphasis placed on dynamics, interaction, team building and related skills. Recommended for general studies and other non-nursing and health career-oriented students. No prerequisite.
A-E-G / 3 cr. hrs.

CO28 / COM204
ARGUMENTATION AND DEBATE
Introduces study of argument. Students learn to identify arguments in a variety of contexts, prepare and present written and oral arguments, and evaluate arguments through critical examination of their strengths and weaknesses. Both psychological and logical constructs examined. Students apply principles of argumentation in organized debates. Prerequisite: CO11 or CO15.
A / 3 cr. hrs.

CO41-45 / COM210-214
SPECIAL TOPICS IN COMMUNICATIONS
Special and current topics in communications. Content varies from year to year.
A / 3-4 cr. hrs. each

CO51 / COM121
ORAL INTERPRETATION
Beginning course in oral reading stressing development of understanding of the meaning of literature and the ability to communicate this meaning to others orally. Included is study of recorded readings, and analysis, adaptation and oral presentation of representative literary forms. No prerequisite.
A-E-G / 3 cr. hrs.

CO75 / COM109
FORENSICS WORKSHOP
Designed for students interested in intercollegiate competition and improving their communications skills. Students trained and coached in variety of forensic forms, including public speaking, drama, oral interpretation of literature and argumentation. (3 hrs. lecture, laboratory hrs. to be assigned.)
A / 3 cr. hrs.

COMPUTER ART
CA21‡ / ART121
INTRODUCTION TO ELECTRONIC PAGE DESIGN
Introduces students to Macintosh computer and desktop publishing software. Elements of electronic page design to be covered are type specification, typesetting, page layout, creation and digitizing of illustrations, and final printing. Students work with a Macintosh computer, laser printer and a scanner. No prerequisite.
A-E / 3 cr. hrs.

CA22‡ / ART122
ELECTRONIC ILLUSTRATION
Enables students to create and modify illustrations and scanned images. Students use Macintosh computer as electronic drawing tool with image enhancement techniques and technologies to create studies and illustrations. No prerequisite.
A-E / 3 cr. hrs.

CA23‡ / ART123
INTRODUCTION TO COMMERCIAL ART
Familiarizes students with several areas of commercial design and techniques used in those fields. Advertising design, fashion illustration, interior design and textile/surface design are explored. Students are made aware of the possibilities of expanding their art into a commercial field. Advice given about the student's continuing education and the preparation of a portfolio. (4 studio hrs. each week.) No prerequisite.
G / 3 cr. hrs.

CA44 / ART120
COLOR THEORY AND ELECTRONIC APPLICATION
Electronic foundation course in color theory designed to explore additive color theory and color mixing with light in electronic environment. Theories of color harmony, contrast and esthetic use of color are studied. Assignments stress mastery of color in design and problems of reproduction of an image on and off computer screen. (4 hrs. laboratory) (offered spring semester only)
E / 2 cr. hrs.

‡ Course Fee
CA45 / ART221
INTERACTIVE DIGITAL MEDIA
Explores fundamentals of electronically integrating text, drawings, photographs, animation, video and sound. Computer screen design, interactive animation and three-dimensional drawing are introduced using latest animation and three-dimensional drawing software packages. Individual short projects help students understand basis of sequential thought and finished product. Corequisite: VA96; Prerequisites: VA30, VA31, CA44 and CA60. (6 hrs. laboratory) (offered fall semester only)  E / 3 cr. hrs.

CA46 / ART222
ELECTRONIC MEDIA PRODUCTION
Producing electronic forms of media to communicate ideas, knowledge and artistic expression. The design process calls for research, creativity and skillful execution. Based on knowledge acquired in CA45: Interactive Digital Media, students plan electronic productions with emphasis on pre-production, production and post-production techniques. Prerequisite: CA45 and VA96. (6 hrs. laboratory) (offered spring semester only)  E / 3 cr. hrs.

CA60 / ART125
3D MODELING AND DESIGN
Electronic foundation course in three-dimensional design emphasizing fundamental esthetic principles of design and construction of three-dimensional models on computer. Basic concepts in model building such as assigning of surface attributes also covered. Prepares students for further study in sculpture, architecture, design and electronic media. Prerequisites: VA30 and GR31. (4 hrs. laboratory) (offered spring semester only)  E / 2 cr. hrs.

CA80 / ART229
PORTFOLIO PREPARATION AND ASSESSMENT
As part of a continual process as an artist, students are guided through preparation of a portfolio, which is presented and assessed as a graduation requirement. (offered spring semester only)  E / 1 cr. hr.

CA84‡ / ART126
INTRODUCTION TO COMPUTER ART
Explores computer as tool for generating two-dimensional graphic images. Includes overview of hardware components used to produce images including scanners, computers, monitors, printers and storage devices and their relationship to image quality. Basic software operations primarily using Adobe Photoshop are examined and explored in relationship to the art-making process. Provides framework in which to make comparisons between traditional and digital methods in commercial and fine art. Recommended prerequisite or corequisite: VA30.  G / 3 cr. hrs.

CA85‡ / ART127
COMPUTER ART II
Building upon CA84, students use computer as art-making tool to generate freehand images and manipulate scanned images using sophisticated digital imaging systems such as Adobe Photoshop and Illustrator. Explores color theory, design and composition as artistic problems that can be solved using the computer. Students investigate how best to input and output their images producing professional quality results for both hard copy or digital environments. Prerequisite: VA84.  G / 3 cr. hrs.

CA86 / ART128
ANIMATION ON THE MACINTOSH COMPUTER
Teaches fundamentals of computer-generated animation. Macintosh computer platform used to create real-time animation for presentation, computer video production and other computer applications. Design and creative animation projects are created first in storyboard format and applied to animation computer software packages. (4 studio hrs. each week.) No prerequisite.  A / 3 cr. hrs.

CA87 / ART129
ANIMATION ON THE MACINTOSH COMPUTER II
Builds upon CA86: Animation on the Macintosh Computer. Macintosh computer platform used to create real-time animation for presentation, advertisements, promotion campaigns and web pages. Design and creative animation with end product in mind stressed. State-of-the-art computer animation software used. (4 studio hrs. each week.) Prerequisite: CA86.  A / 3 cr. hrs.

COMPUTER SCIENCE/INFORMATION TECHNOLOGY
Note: The following courses can be used to satisfy Liberal Arts and Sciences elective requirements: CS11, CS12, CS16, CS17, CS18, CS26, CS28, CS35, CS38, CS44, CS60, CS66, CS68.

*These courses meet the descriptive criteria suggested by the Association for Computing Machinery:
CS16 Refer ACM-B1
CS17 Refer ACM-B2
CS60 Refer ACM-11

‡ Course Fee
Computer Science/Information Technology

CS11‡ / CST101
INTRODUCTION TO COMPUTING
Comprehensive introduction to use of personal computers for improving productivity and problem solving. Primarily for non-computer majors and liberal arts students (i.e., those majoring in areas such as humanities, arts, social and behavioral sciences.) Includes desktop configuration, word processing, spreadsheets, presentation graphics, basics of personal computer organization, directory structures and file management. Optional topics may include database concepts, Web page creation, Internet and IT resources, Web browsers and use of Internet for research. Course cannot be applied to satisfaction of graduation requirements in any computer-related degree program or certificate at SCCC. No prerequisite.
A-E-G / 4 cr. hrs.
Note: Credit given for CS11 or BA22, but not both.

CS12‡ / CST112
INTRODUCTION TO PROGRAMMING USING VISUAL BASIC
Emphasis on algorithm development, structured programming techniques, flowcharting, and coding and debugging simple programs using Visual Basic. Includes programming concepts such as procedures with parameters, decision, looping and arrays. Prerequisite: MA07 or equivalent. Recommended: prior computing experience or completion of CS11. CS12 and MA17 are corequisites for students in the Information Technology curriculum.
A-E-G / 4 cr. hrs.

CS13‡ / CST111
INTRODUCTION TO INFORMATION TECHNOLOGY
Survey of concepts and applications of information technology. Introduces role of information technology in solving business problems and supporting organizational functions. Explores organizational structure of modern enterprise and role of information technology within this structure. Introduces major components of information technology and its broad applications through various case studies. Explains need for information technology analyst to understand business-level objectives needed to provide appropriate technology solutions to achieve those goals. Course cannot be applied to satisfaction of a Liberal Arts and Science elective in any curriculum or of graduation requirements in Computer Science curriculum at SCCC. No prerequisite.
A-E-G / 4 cr. hrs.

CS14‡ / CST131
PROGRAMMING GRAPHICAL USER INTERFACES USING VISUAL BASIC
Covers concepts enabling programmers to write user interfaces for Windows environments. Advanced Visual Basic features presented and used. Designed for students who know basics of a programming language and have experience with Windows. Applications are built that rival professional Windows SDK (Software Development Kit) used by C++ programmers. Prerequisite: CS12 or CS16 or permission of department.
A-E-G / 4 cr. hrs.

CS16‡ / CST141
PRINCIPLES OF COMPUTING USING JAVA I*
Introduces concepts needed to lay solid foundation for understanding object-oriented software development via problem specification, analysis, design, implementation and testing. Topics include methods, decisions, looping, arrays, code reusability, top-down design and UML. With extensive laboratory exercises, course educates and trains students to develop programs that are easy to understand and maintain. Prerequisites: MA27 or Regents Sequential Math II (C or better) or equivalent and CS12 or equivalent, or permission of department.
A-E-G / 4 cr. hrs.

CS17‡ / CST121
COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE PROGRAMMING*
Introduces machine-oriented programming PC Assembly Language designed to familiarize students with basic structure and language of machines. Topics include data representation, addressing techniques and macros, among others. Several programming projects are assigned. Prerequisite: CS12; corequisite: CS16.
A-G / 4 cr. hrs.

CS18‡ / CST222
COMPUTER ARCHITECTURE
Introduces concepts needed to lay solid foundation for understanding computer architecture. Performance of software systems is dramatically affected by how well software designers understand basic hardware technologies at work in a system. Similarly, hardware designers must understand far-reaching effects design decisions have on software applications. Provides deep look into the computer, demonstrates relationship between software and hardware, and focuses on foundational concepts that are the basis for current computer design. Provides framework for thinking about computer organization and design that enables student to continue lifetime learning necessary to stay at forefront of ever-changing technology. Prerequisite: CS17.
A-E-G / 4 cr. hrs.

CS22‡ / CST102
SPREADSHEETS FOR WINDOWS
Explores integrated spreadsheet software in Windows environment. Topics include worksheet design and creation, spreadsheet functions, charts and graphs, database operations and macro development as well as integration of software components. Related laboratory projects assigned. Course cannot be applied to satisfaction of graduation requirements in Computer Science curriculum at SCCC. Prerequisites: MA07 or equivalent and prior computing experience or completion of CS11.
A-E-G / 4 cr. hrs.

‡ Course Fee
CS24‡ / CST104
PRESENTATION GRAPHICS AND WEB PUBLISHING
Comprehensive introduction to Web page creation and presentation graphics, using combination of lecture and lab sessions. Students learn aspects of Web authoring and associated Web graphics, various means of electronic office communication, and gain experience developing Web pages in a graphical user interface (GUI) editor. Explores various multimedia technologies and tools available for user interfaces. Course cannot be applied to satisfaction of graduation requirements in any computer-related degree program or certificate at SCCC. Prerequisite: prior computing experience or completion of CS11. A-E-G / 4 cr. hrs.

CS26‡ / CST242
ADVANCED PROGRAMMING AND PROBLEM SOLVING WITH JAVA
Advanced course presenting problem-solving methodologies and emphasizing object-oriented principles and designs using Java. Several medium-to-large programs using this paradigm are assigned. Focuses on how to write complete program using one or more object classes. Discusses objects in general with special consideration given to string processing, arrays and collections of objects. Swing graphical user interface library discussed and compared to techniques used in Visual Basic. Prerequisite: CS16 or permission of department. A-E-G / 4 cr. hrs.

CS28‡ / CST125
INSTALLING, CONFIGURING AND ADMINISTERING MICROSOFT® WINDOWS® XP PROFESSIONAL
Comprehensive introduction to implementing, administering and troubleshooting information systems that incorporate Microsoft Windows 2000/XP. Major topics include attended/unattended installation; upgrading from a previous version; deploying service packs; resource administration; installation and troubleshooting of device drivers; monitoring and optimizing system performance and reliability; configuring and troubleshooting the desktop environment; implementing, managing and troubleshooting network protocols and services; and implementing, monitoring and troubleshooting security. Prerequisite: any CS course or permission of department. A-E-G / 4 cr. hrs.

CS31‡ / CST262
CLIENT-SIDE AND SERVER-SIDE WEB PROGRAMMING
First part of course trains developers in using features of JavaScript language and designing client-side platform-independent solutions. Students learn how to write JavaScript programs and script for JavaScript object model, control program flow, validate forms, animate images, target frames and create cookies. Also teaches usage of most popular applications of JavaScript. Second part of course trains students how to work in server-side environment utilizing ActiveX Server Pages technology. Trains students to create dynamically generated Web pages from server side using scripting languages such as VBScript or JavaScript. If time permits, explores alternative technologies to ASP such as Common Gateway Interface (CGI), Server Side Includes (SSI) and Servlets (Java), along with other server-side scripting languages such as Perl and PHP. Also teaches key application standards such as source and revision control, coding standards, code optimization and data integrity. Prerequisites: CS16 and CS35. A-E-G / 4 cr. hrs.

CS32‡ / CST268
E-COMMERCE PROGRAMMING
Portfolio course instructing students in conducting business online and managing technological issues associated with constructing electronic commerce Web site. Students implement a genuine transaction-enabled business-to-consumer Web site, examine strategies and products available for building electronic commerce sites, including how such sites are managed, and explore how they can complement an existing business infrastructure. Provides hands-on experience implementing technology to engage cardholders, merchants, issuers, payment gateways and other parties in electronic transactions. Requires students to develop functional e-commerce site utilizing various technologies learned in this and prior courses. Prerequisites: CS31 and CS33. A-E-G / 4 cr. hrs.

CS33‡ / CST171
RELATIONAL DATABASE APPLICATIONS AND CONCEPTS
Use of a relational database model as problem-solving tool in business. Teaches techniques for adding, retrieving and modifying information within a database. Topics include files, records, query language, conversion-to-work processing format, indexes, sorting and customized reports. Prerequisite: any CS course or permission of department. A-E-G / 4 cr. hrs.

CS34‡ / CST272
PROGRAMMING FOR RELATIONAL DATABASE MANAGEMENT SYSTEMS
Capstone course training students to develop database applications. Implements full power of programming in database-oriented language. Emphasizes design, implementation and presentation of several large, real-time information system cases. Prerequisites: CS12 and CS33 with a grade of C or higher in both or permission of department. Corequisite: CS14 or CS26. A-E-G / 4 cr. hrs.
CS35‡ / CST161
WEB SITE DESIGN
Teaches Web page creation and other aspects of Web authoring, beginning with fundamentals of HTML tags by creating Web pages utilizing text editor. Explores various professional Web site development, deployment and management software suites and importance of Cascading Style Sheets (CSS). Focuses on theory, design and Web construction, along with information architecture concepts. Web project management, scenario development and performance evaluations. Enables students to create Web pages containing text, graphics, hyper-links, tables, forms and frames. Recommended prerequisite: prior computing experience or completion of CS11 or CS12 or permission of department. A-E-G / 4 cr. hrs.

CS38‡ / CST252
ADVANCED C++ PROGRAMMING
Teaches advanced techniques for designing, programming and implementing object-oriented programs using C++. Topics covered include C++ language and its standard library, program specification, effective program design, inheritance and polymorphism. Introduces object-oriented analysis and design concepts. Registrants should have prior programming background/experience with object-oriented programming concepts. Taught using combination of lecture and lab sessions. Prerequisite: CS26. A-E-G / 4 cr. hrs.

CS39‡ / CST1265
XML DOCUMENT DESIGN AND PROGRAMMING
Comprehensive introduction to Web-based application development with XML which focuses on various XML and related technologies such as construction of XML Document Type Definitions (DTDs) and XML schemas, manipulating parsed XML documents utilizing JavaScript and XML Document Object Model (DOM), and utilizing XLink and XPointers to extend XML document linking capabilities. Also teaches use of XML to create customized tags and to utilize standard custom markup languages in science, technology, multimedia, commerce and other fields. Requires familiarity with fundamentals of HTML, JavaScript, Active Server Pages and object-oriented concepts. Prerequisites: CS35 or permission of department. A-E-G / 4 cr. hrs.

CS44‡ / CST254
ADVANCED COBOL PROGRAMMING
For programmers seeking detailed knowledge of structured COBOL. Topics include sequential and random access, file processing, table handling and sort. Students learn techniques by writing, coding, compiling and debugging programs. Prerequisite: CS53 or permission of department. A-E-G / 4 cr. hrs.

CS60‡ / CST1246
DATA STRUCTURES*
Introduction to methods useful in representing data in storage. Discusses structures such as arrays, lists, stacks, queues and trees, as well as methods used in their implementation and manipulation. Related programming assignments required. Prerequisite: CS26. A-E-G / 4 cr. hrs.

CS63‡ / CST251
PROGRAMMING IN C
Techniques of programming in C language using Unix/Linux operating system. Topics include history of C and Unix/Linux, operators, data types, loops, arrays, functions, pointers and files. Students expected to be familiar with structured programming. Prerequisite: CS12 or CS16 or permission of department. A-E-G / 4 cr. hrs.

CS66‡ / CST126
OPERATING SYSTEMS: LINUX/UNIX
Familiarizes students with Unix operating system by using one of many versions of Unix, such as Linux, on personal computer in lab. Covers concepts as well as practical use of Unix. Topics include most commonly used Unix commands plus others. Also covers similarities and conceptual differences between Unix and Windows operating systems. Prerequisite: any CS course or permission of department. A-E-G / 4 cr. hrs.

CS68‡ / CST127
NETWORK OPERATING SYSTEMS AND NETWORK INFRASTRUCTURE
Introduces implementation of Network Operating Systems in medium to very large computing environments. Explores connectivity issues such as connecting individual offices and users at remote locations to the corporate network and connecting corporate networks to the Internet. Examines network services and applications such as file and print, database, messaging, proxy server or firewall, dial-in server, desktop management, and Web hosting. Also examines skills required to manage, monitor and troubleshoot Network Address Translation and Certificate Services. Utilizing case studies, students learn how to install, manage, monitor, configure and troubleshoot DNS, DHCP, Remote Access, Network Protocols, IP routing and WINS. Prerequisite: CS28. A-E-G / 4 cr. hrs.

‡ Course Fee
CS70‡ / CST283
BASIC ENTERPRISE ADMINISTRATION
WITH UNICENTER TNG I
First of two courses designed for students interested in learning about enterprise management in general and Unicenter TNG in specific. First course provides broad overview of Unicenter TNG and gives students beginning of basic understanding in managing and maintaining information technology enterprise systems. Prerequisites: CS70 and CST181. A-E-G / 3 cr. hrs.

CS71‡ / CST284
BASIC ENTERPRISE ADMINISTRATION
WITH UNICENTER TNG II
Second of two courses designed for students interested in learning about enterprise management in general and Unicenter TNG in specific. Second course provides more specific view of Unicenter TNG and gives students clearer and more detailed understanding in managing and maintaining information technology enterprise systems. Prerequisites: CS70 and CST182. A-E-G / 4 cr. hrs.

CS80‡ / CST288
COOPERATIVE EDUCATION/
INTERNSHIPS FOR INFORMATION
TECHNOLOGY
Field work in information technology. Student obligations agreed upon in an internship contract. Supervising faculty hold periodic meetings with student interns and their supervisors to evaluate intern performance. In addition to eight to ten hours per week of field work, students attend a 50-minute weekly seminar. Prerequisite: completion of eight or more CS credits (not including CS11) with an average of B or better in addition to requirements of the Office of Cooperative Education. A-E-G / 3 cr. hrs.

CS81‡ / CST181
HELP DESK I INTERNSHIP
Restricted to students enrolled in Help Desk I Information Technology certificate program. Students intern at Suffolk County Community College's ITU (Instructional Technology Unit) Help Desk and provide technical support to campus faculty and staff via phone and on-site visits. First semester of two-semester series. Prerequisite: permission of department. A-E-G / 3 cr. hrs.

CS82‡ / CST182
HELP DESK II INTERNSHIP
Continuation of CS81. Restricted to students enrolled in Help Desk II Information Technology certificate program. Students intern at Suffolk County Community College's ITU (Instructional Technology Unit) Help Desk and provide technical support to campus faculty and staff via phone and on-site visits. Prerequisite: CS81. A-E-G / 3 cr. hrs.

CS91-94 / CST191-194
SPECIAL TOPICS IN COMPUTER
SCIENCE/INFORMATION TECHNOLOGY
Special and current topics in computer science/information technology. Content varies from year to year. A-E-G / 3-4 cr. hrs.

CS91‡ / CST191
COMPUTERS AND NETWORK SECURITY:
ATTACK AND DEFENSE
Special topics course providing in-depth look at common Internet, network and host-based attack methodologies. Topics include common attack methods such as social engineering, spoofing, denial of service, traffic interception, session hijacking, password cracking, malicious code, and web hacking techniques. Enables students to generate anomalous network traffic, identify common network attack patterns, and perform penetration testing. No prerequisite. A-G / 4 cr. hrs.

CONSTRUCTION TECHNOLOGY

CT10‡ / COT110
SURVEYING I
Care and use of surveying instruments. Taping and taping corrections, differential leveling, traverse and area computation, stadia topography and construction surveys. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: MA27; corequisite: MA28. A / 3 cr. hrs.

CT14 / COT114
CONSTRUCTION METHODS
Methods of residential and commercial construction including site preparation, concrete placement, timber and steel framing techniques, moisture control and finishing. (3 hrs. lecture.) Prerequisite: MA27. A / 3 cr. hrs.

CT22‡ / COT222
SITE PLANNING
Basic principles of land surveying applied to site planning and design. Concepts of site design and engineering are presented from analysis to design drawings. Areas covered include zoning concepts, constraints of environmental considerations, roadways and land subdivision, parking, and site utilities and drainage. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: CT10 and MA28. A / 3 cr. hrs.
CT33‡ / COT233
STRENGTH OF MATERIALS
Study of relationships existing between externally applied forces and internally induced stresses and strains in various types of mechanical or structural components such as welds, bolts, rivets, shafts, pressure vessels, beams and columns. This is accomplished using principles of stress and strain, Poisson’s ratio and thermally introduced loading. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: CT66; corequisite: MA62. A / 3 cr. hrs.

CT38‡ / COT238
CONSTRUCTION ESTIMATING
Interpretations of plans and specifications, preparation of construction estimates, resource in building systems, including large-scale Civil Engineering works such as highways, bridges and utility projects. Estimating databases, labor pricing, cost analysis from small-scale projects to heavy civil infrastructure are developed. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisite: CT14; corequisite: CT39. A / 3 cr. hrs.

CT39 / COT239
CONSTRUCTION SCHEDULING
Introduces the most accepted methods for scheduling construction project from start to finish. Typical projects are heavy civil infrastructure type such as highways, bridges and utility projects. Students create and filter schedules based upon plans, manage schedules, compute critical path, and create reports and PERT charts. Students also work with various aspects of scheduling creation, with emphasis on maintenance of schedules. Corequisite: CT38. A / 3 cr. hrs.

CT43 / COT243
CODES AND CONTRACTS
Day-to-day operation of a construction contracting business is presented. Information presented includes practical matters such as business ownership, cost estimating and bidding, contract bonds, required types of insurance, construction business methods, labor law and labor relations. Codes and specification are presented as they apply to the previous subjects. (3 hrs. lecture.) A / 3 cr. hrs.

CT46‡ / COT246
STRUCTURAL STEEL AND REINFORCED CONCRETE DESIGN
Fundamental theory and principles necessary for design of simple steel and reinforced concrete structures are presented. In the structural steel portion, beams, columns, tension and compression members, composite structures and the connection for these types are presented. For the concrete portion, fundamental behavior of reinforced concrete (elastic and inelastic), beam construction, columns and footings are studied. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: MA62 and CT33. A / 3 cr. hrs.

CT51-54 / COT151-154
SPECIAL TOPICS IN CONSTRUCTION TECHNOLOGY
Special and current topics in construction technology. Content varies from year to year. A / 3 cr. hrs. each

CT66 / COT266
STATICS
One-semester course in statics. Includes vector concept of force, equilibrium, centroids, moments of inertia, analysis of structures, and fluid statics. (3 hrs. lecture.) Prerequisite: MA61; corequisite: MA62. A / 3 cr. hrs.

CRIMINAL JUSTICE
Note: Although Criminal Justice courses cannot be used to fulfill social science requirements at SCC, several are transferable as social science electives at various four-year SUNY colleges. See Criminal Justice Department for details.

CJ11 / CRJ101
INTRODUCTION TO CRIMINAL JUSTICE
Introductory survey of federal, state and local criminal justice systems including police, courts, prosecutor, Grand Jury, trial jury, probation, parole, and correctional system. Gives beginning students broad overview of role of criminal justice in a free society and provides foundation for all other courses in the program. Emphasizes importance of ethics in criminal justice system. No prerequisite. A-E-G / 3 cr. hrs.

CJ15 / CRJ105
POLICING: AN INTRODUCTION TO LAW ENFORCEMENT
Introduction to philosophy, role and operations of police and other law enforcement agencies in our society. Includes historical analysis of policing, its culture, and its relationship to law and community. Examines complex problems police face in their mission to enforce the law while providing services in democratic society. Impact of computer and other technological advances on policing also examined. Emphasis on police ethics throughout course. No prerequisite. A-E-G / 3 cr. hrs.

CJ21 / CRJ205
INTRODUCTION TO CRIMINAL INVESTIGATIONS
Introduction to procedures and techniques of criminal investigations. Provides overview of history of investigations, role of investigators and rules of evidence. Examines techniques for crime scene preservation, processing of evidence, surveillance, and undercover operations. Students identify and discuss information and research sources, write reports and learn case management skills. Role of computers and other advanced technology in criminal investigations also explored. No prerequisite. A-E-G / 3 cr. hrs.
CJ25 / CRJ111
**CRIMINALISTICS**
Applications of forensic science to investigation of crime. Studies in detail supportive role of the criminalist in assisting the investigator and proper collection and processing of a variety of physical evidence and its preparation for presentation at the criminal trial. Cases from federal, state and local police laboratories are used to illustrate basic principles. No prerequisite. A-E-G / 3 cr. hrs.

CJ31 / CRJ103
**SUBSTANTIVE CRIMINAL LAW**
Study of prescriptive and prescriptive substantive criminal law. Considers in detail role of law in a free society, provisions of Uniform Penal Code as well as other state and local substantive laws, case illustrations of these laws, and impact of federal and state court decisions on enforcement of substantive laws by police. No prerequisite. A-E-G / 3 cr. hrs.

CJ35 / CRJ107
**EVIDENCE AND PROCEDURAL LAW**
Study of rules of evidence and Uniform Criminal Procedure Law as they apply to criminal court cases. Considers relationship of rules of evidence and fair procedural laws to justice in a democratic society, effect of federal and state court decisions on procedural law, evidentiary and procedural requirements for proper presentation of cases in court, and role of the police officer as a witness in court. No prerequisite. A-E-G / 3 cr. hrs.

CJ41 / CRJ109
**INTRODUCTION TO CORRECTIONS**
Analysis of role of the correctional sub-system within the criminal justice system with an examination of the history and philosophy of corrections; nature and problems of the institutional system; probation, parole and other community-based alternatives to institutionalization; legal and ethical problems of the system; and an evaluation of the effectiveness of the system in reducing crime through deterrence and rehabilitation. No prerequisite. A-E-G / 3 cr. hrs.

CJ45 / CRJ203
**INTRODUCTION TO PRIVATE SECURITY**
Provides overview of private security in U.S. Examines principles, methods and techniques used by the industry. Also focuses on internal security, proprietary policy, civil liability, risk management and analysis, legal powers and limitations, loss prevention and security surveys. Special emphasis on ethics in private security throughout course. No prerequisite. A-E-G / 3 cr. hrs.

CJ51 / CRJ204
**INTRODUCTION TO COMPUTER CRIME**
Study of nature and extent of computer-related crime, laws affecting computer use, computer security and access, techniques used to uncover and prevent computer-related fraud, and current and future role of law enforcement in this area. Overview of emerging issues of privacy and Electronic Communications Privacy Act as it pertains to activities of law enforcement in area of evidence recovery. No prerequisite. A-E-G / 3 cr. hrs.

‡ Course Fee

CJ55 / CRJ201
**HUMAN RELATIONS AND CRIMINAL JUSTICE**
Study of complex relationship between criminal justice system and people in the community. Considers constitutional liberties of all citizens and role of agencies of criminal justice in respecting and protecting those liberties; behavioral manifestations of economic, social and political problems in the community and criminal justice response to such activities; and need for and methods of developing a constructive community relations program in the criminal justice agency. No prerequisite. A-E-G / 3 cr. hrs.

CJ71 / CRJ206
**ORGANIZED CRIME**
Overview of organized criminal activity in United States. Examines history of organized crime and various activities, both legal and illegal, in which organized criminal enterprises become involved. Analyzes role of law enforcement in combating organized crime as well as reciprocal influence organized crime has on politicians, media and public perception. No prerequisite. A-E-G / 3 cr. hrs.

CJ75 / CRJ207
**JUVENILE JUSTICE**
Study of nature and causes of juvenile delinquency and methods and techniques of police and other community agencies in dealing with juvenile misconduct. Also deals with role of substantive and procedural law and nature of the court and correctional system as they relate to the younger offender, as well as role of police in preventing and reducing crime through management of an effective juvenile aid program. No prerequisite. A-E-G / 3 cr. hrs.

CJ90-92A / CRJ240-242A
CJ93-95G / CRJ243-245G
CJ96-98E / CRJ246-248E
**SPECIAL TOPICS IN CRIMINAL JUSTICE**
Special and current topics in criminal justice. Content varies from year to year. One prior semester of a social science or criminal justice course is recommended as a prerequisite. A-E-G / 3 cr. hrs.

CJ99 / CRJ209
**CRIMINAL JUSTICE CAPSTONE COURSE**
Forum for graduating Criminal Justice majors to synthesize and display knowledge expected after completing all core courses in program. Limited to twelve to fifteen students, seminar focuses on discussion of individual research assignments. Students document research assignments with written and oral report. Includes multiple choice examination based on Criminal Justice program’s student learning outcomes. Prerequisites: CJ11, CJ15, CJ31, CJ35, CJ41 (15 credits). All Criminal Justice students enrolling in Suffolk County Community College beginning September 2004 must take the Capstone course prior to graduation. A-G / 1 cr. hr.
CULINARY ARTS

CU11 / CUL111
SANITATION
Latest developments and procedures for food safety and sanitation. Subjects include current governmental standards and emerging issues, contamination and foodborne illnesses, establishing food safety system, cleaning and sanitizing, accident prevention, sanitation regulations and food protection. Students also get training in implementing Hazard Analysis Critical Control Point (HACCP) system of food safety, the cutting edge system which is rapidly becoming industry’s system-of-choice. Students currently employed in food service who complete this course receive a Suffolk County Food Manager’s Certificate valid for three years. No prerequisite. E / 3 cr. hrs.

CU12 / CUL112
HOSPITALITY COST CONTROLS
For any restaurant the key to profits is control. Course presents accounting procedures necessary to maintain profitable business. Topics include control areas of purchasing, receiving, storing, production, serving and appropriate computer application. Upon completion students are able to use these procedures to produce faculty-instructed restaurant projects. Prerequisite: AC11. E / 4 cr. hrs.

CU13 / CUL113
WINE AND BEVERAGE MANAGEMENT
Provides complete understanding of setting up successful beverage operation, from layout and design to practical hands-on application and formulation of making wide selection of drink recipes. Examines differences among fermented beverages, distilled spirits, great wines and beers, and proper storage procedures. Culminates in development of successful beverage marketing program. E / 3 cr. hrs.

CU14 / CUL114
CULINARY ARTS I
Principles and practices necessary to effectively perform in management position in food service industry. Flow of food through commercial food service operation including purchasing, receiving, storing, fabrication, production and service is examined. Upon successful completion of course students are able to understand basic cooking principles and apply them through the standardized recipe and menu. Development of effective and efficient managerial skills for commercial or institutional kitchen presented and practiced. (3 hrs. lecture, 4 hrs. laboratory.) No prerequisite. E / 5 cr. hrs.

CU15 / CUL115
BAKING AND PAstry Arts I
Introduces techniques necessary to produce delicious pastries, yeast bread doughs, quick breads, doughnuts, specialty cookies and custards, and assembling and decorating cakes. Lecture combined with hands-on application enables students to develop necessary skills to produce specialty baked products that incorporate proper texture, flavor and presentation to be served in restaurant setting. E / 4 cr. hrs.

CU16 / CUL116
DINING ROOM MANAGEMENT
Service aspect of food service management. History and styles of service used in hotel and restaurant industry, determination of customer needs, and control and service of beverages are examined. E / 3 cr. hrs.

CU18 / CUL201
CAKE DECORATING
Hands-on course teaching art of cake decorating. Develops proper skills and techniques necessary to decorate wide variety of cakes from simple layer cakes to elegant wedding cakes. Includes instruction in proper use of pastry bag applications, preparation of various icings, and methods necessary to produce delicate flower and piping designs. Class lecture, discussion and hands-on preparation stressed. Prerequisite: CU15. E / 0.5 cr. hr.

CU19 / CUL202
CHOCOLATE AND PULLED SUGAR ARTISTRY
Presents proper methods of tempering, melting, molding and decorating with different chocolates. Topics include histories of chocolate making, pulled sugar techniques and production methods, correct use of confectionery tools and recipe development. Upon completion students are able to produce special instructor-directed projects made from chocolate and pulled sugar. Prerequisite: CU15. E / 0.5 cr. hr.

CU20 / CUL203
SPECIALTY BREAD MAKING
Hands-on course teaching different methods of bread preparation, proper use of yeasts, starters, mixing methods, proofing, and procedures necessary for production of fresh, quality baked bread. Topics include baking terminology, ingredient functions and methodology of specialty breads and rolls. Combines lecture, class discussion and lab work. Prerequisite: CU15. E / 0.5 cr. hr.

CU21 / CUL204
DESSERTS FOR PRESENTATION
Presenting a finished dessert for service is integral part of any great meal. Course focuses on importance of combining textures, flavors and colors in developing unique dessert presentations. Topics include preparation of purees, creams, coulis, specialty cookies, spun sugar, caramelized sugar decorations, and garnishing of hot and cold plates. Enables student to produce and understand steps necessary in producing visually taste-tempting desserts for restaurant service. Prerequisite: CU15. E / 0.5 cr. hr.

CU23 / CUL120
HOSPITALITY MARKETING
The hotel/restaurant/tourism business is marketing. It is essential to determine what customers want and provide it to them when they want it. Furthermore, it must be all wrapped up in a beautiful package at a reasonable price. Students learn intangible nature of hospitality products and importance of positioning, targeting and image development. E / 3 cr. hrs.

‡ Course Fee
CU24 / CUL211
AMERICAN REGIONAL CUISINE ARTISTRY
Explores development of traditional American cuisines which include melting pot of flavors, indigenous ingredients and multicultural influences. Teaches how to produce grand buffet arrangements, cold canapés, fresh fruit and vegetable decorations that are unique to specific regions of United States, including the southeast, southwest, mid-Atlantic, midwest, New England and northwest regions. Lecture, demonstrations and hands-on production techniques stressed. Prerequisite: CU14. E / 1 cr. hr.

CU25 / CUL212
SAVORY FRENCH CUISINE
Presents classic French preparation methods that have transformed world’s cuisines. Combines classical techniques with lighter, more simplistic and adaptable preparation methods needed for service in today’s restaurant. Hands-on course in which recipe production, menu review and French terminology are discussed. Prerequisite: CU14. E / 1 cr. hr.

CU26 / CUL213
EXOTIC ASIAN CUISINE
Presents overview of preparation techniques regarding Japanese, Chinese, Thai, Korean and Vietnamese cuisines. Emphasis placed on seasonings, special ingredients and technical use of preparation equipment. Through hands-on applications, class discussion and lecture, students gain working knowledge of this regional style. Prerequisite: CU14. E / 1 cr. hr.

CU27 / CUL214
MEDITERRANEAN CUISINE
Explores cuisine of Mediterranean regions of Egypt, Spain, Turkey, France, Italy, Liberia, Morocco and Algeria. Hands-on recipe preparation incorporates each region’s history, native ingredients and special cooking techniques. Through discussion, lecture and hands-on preparation students learn differences and similarities among various Mediterranean cooking styles. Prerequisite: CU14. E / 1 cr. hr.

CU29 / CUL240
CULINARY ARTS INTERNSHIP/COOPERATIVE EDUCATION
Supervised on-the-job training in establishment representative of hospitality industry. Students work 200 hours in their placement, attend on-campus weekly seminar and maintain journal. Taken during summer semester after completion of first and second semester program requirements. Registration in this course requires that students purchase liability insurance through the college. Prerequisites: CU11, CU12, CU13 and CU14. E / 4 cr. hrs.

CU30 / CUL250
CULINARY ARTS SEMINAR
Capstone course requiring students to apply theoretical and practical knowledge under an individualized faculty-supervised hospitality project. Project incorporates students’ specific areas of expertise, including culinary arts, recipe development, concept development, marketing strategies, beverage management and profitability analysis. Completed project to be thoroughly researched, written and presented orally both to faculty and students. Prerequisites: CU12, CU13, CU14, CU15 and CU16. E / 2 cr. hrs.

DIETETIC TECHNICIAN

FM20‡ / DTE101
INTRODUCTION TO NUTRITION
Introduction to basic nutrition in which study of nutrients and food is applied to making intelligent food choices. Lab allows students to apply math and reading skills to various areas of dietetics and nutrition practice. No prerequisite. Minimum grade of C required to advance to next course in FM sequence. (3 hrs. lecture, 4 hrs. laboratory.) E / 4 cr. hrs.

FM22 / DTE103
NUTRITION EDUCATION FOR DIETETIC PRACTITIONERS
In order to educate clients and facilitate change in their eating behavior, dietetic practitioners must be effective communicators. This course helps students improve their success as dietetic technicians by focusing on communication skills, education principles, interviewing, counseling, behavior modification, and evaluating group and individual instruction. Consideration given to effects of socioeconomic and cultural factors in relation to making food choices. No prerequisite. Minimum grade of C required to advance to next course in FM sequence. E / 3 cr. hrs.

FM24‡ / DTE121
INTRODUCTION TO CLINICAL NUTRITION
Review of nutrients from perspective of their absorption, digestion, metabolism and interaction. In clinical, students apply principles of nutrition including diet history, food intake studies, national nutrition guidelines, and menu planning and modification. Requires purchase of liability insurance through the college. (3 hrs. lecture, 90 hrs. clinical). Prerequisite: FM20 with grade of C or higher. Minimum grade of C required to advance to next course in FM sequence. Offered spring semester only. E / 5 cr. hrs.

‡ Course Fee
FM26 / DTE122
NUTRITION THROUGH THE LIFE CYCLE
As nutrition educators, dietetic technicians must be knowledgeable about nutritional needs of individuals of all ages, genders, cultural backgrounds and activity levels. Course conveys information to be used by students in their professional roles as nutrition educators. Consideration given to community programs which provide nutritional support to those in various age groups; special needs related to exercise, stress and energy balance; consumer concerns about foods; and issues of domestic and world hunger. Prerequisite: grade of C or higher in previous FM courses; FM20 recommended. Minimum grade of C required to advance to next course in FM sequence. Offered spring semester only. E / 3 cr. hrs.

FM28 / DTE201
INTRODUCTION TO FOOD SERVICE
Survey course introducing the variety of foods available, menu planning, purchasing and preparation. Consideration given to food measurement, legislation, safety and sanitation and preparation techniques for nutritional adequacy, and food acceptability. Food labs held in kitchen. Prerequisite: C or higher in previous FM courses or permission of instructor. Minimum grade of C required to advance to next course in FM sequence. Offered fall semester only. (Formerly FM11.) E / 3 cr. hrs.

FM30 / DTE203
DIETETICS SEMINAR
Orientation to dietetics, professional organizations, ethical issues related to dietetics practice and career and educational opportunities. Multicultural differences regarding nutritional needs and food choices are explored. Pre/corequisite: FM42 with grade of C or higher. Offered spring semester only. E / 2 cr. hrs.

FM40‡ / DTE205
ADVANCED CLINICAL NUTRITION
Considers rationale and characteristics of selected therapeutic diets, their application, planning, calculation and menu adjustment. (3 hrs. lecture, 132 hrs. clinical, 48 hrs. field work.) Purchase of liability insurance through the college is required. Prerequisite: FM24 with grade of C or higher. Minimum grade of C required to advance to next course in FM sequence. Offered fall semester only. E / 7 cr. hrs.

FM43 / DTE213
FOOD SERVICE MANAGEMENT FIELDWORK
Under direction of fieldwork instructor, student has hands-on experience in all aspects of food service management at a local health care facility (1 hr. lecture, 180 hrs. field experience). Requires purchase of liability insurance through the college. Prerequisite or corequisite: FM42 with grade of C or higher. Offered spring semester only. E / 5 cr. hrs.

DRAFTING (CAD)

DR11‡ / DRF111
MECHANICAL DRAFTING
Introductory course designed to develop basic skills and knowledge fundamental to all areas of engineering and architectural drafting. Included are orthographic projection, pictorial drawing, dimensioning and sectioning practices, as well as geometric construction, use of instruments, lettering and inking. Lab work includes examples from mechanical, architectural and electrical construction and engineering graphics. (2 hrs. lecture, 3 hrs. laboratory.) No prerequisite. A / 3 cr. hrs.

DR14‡ / DRF114
AUTOCAD I
Trains students in use of AUTOCAD system. Topics include edit and inquiry commands, display controls, system libraries, attribute utilization and customizing techniques. (2 hrs. lecture, 3 hrs. laboratory.) No prerequisite. A / 3 cr. hrs.

DR17‡ / DRF217
ARCHITECTURAL DRAFTING: RESIDENTIAL
Basic residential planning, including floor plans, elevations, sections and perspective drawings. Selected specific topics are produced using computer-assisted drafting system. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: DR14 or permission of department. A / 3 cr. hrs.

DR18‡ / DRF218
ARCHITECTURAL DRAFTING: PRESENTATIONS
Aesthetic design of simple structures. Topics include site plans, perspective, modeling and rendering techniques, and use of computer-assisted drafting system. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: DR14. A / 3 cr. hrs.

DR19‡ / DRF219
ARCHITECTURAL DRAFTING: STRUCTURAL
Design of industrial and commercial structures, including structural steel and reinforced concrete working drawings. Utilization of computer-assisted drafting system for preparation of drawings is included. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: DR17. A / 3 cr. hrs.
Drafting – Early Childhood Education/Education

ED22 / EDU111

EARLY CHILDHOOD ACTIVITIES

Concepts, objectives and instructional techniques for developmentally appropriate experiences for the young child. Learning activities for all curriculum areas including slide shows and walk-throughs. 10 hours of practicum visits to early childhood programs required as in ED11. Prerequisite or corequisite: ED11. A-E-G / 3 cr. hrs.

ED23 / EDU113

INFANTS AND TODDLERS: PROGRAMS AND CARE

Study of programs, curriculum and care of children ages 6 weeks through the second year who are in group care settings. Appropriate techniques for fostering emotional, physical, social and cognitive development of the very young are examined. Field visits to infant and toddler programs required as in ED11 and ED22. No prerequisite. A-E-G / 3 cr. hrs.

ED25‡ / EDU115

CREATIVE ACTIVITIES: ART

Study of developmental levels in children’s art. Means and appropriate techniques by which a child’s development is fostered through a variety of media are examined. Prerequisites or corequisites: ED11 and PC11, and enrollment in Early Childhood Education curriculum or permission of department or appropriate campus administrator. A-E-G / 3 cr. hrs. Note: Prior to enrolling in ED33, a student who wishes to continue in the Early Childhood Education program must make a formal application with the Admissions Office and submit all required health forms. Other than ED11, ED22 and ED23, all Early Childhood Education courses are restricted to students enrolled in the code 330 curriculum.

Students enrolled as Early Childhood Education (curriculum code 330) majors must achieve a minimum grade of C in each Early Childhood Education course in order to continue on to the next course in the Early Childhood Education sequence and to qualify for graduation. Students permitted to repeat a course only once.

ED33‡ / EDU211

INSTRUCTING THE YOUNG CHILD

Examination of role of early childhood worker in educational setting and in relationships with children, parents, staff and directors, and other program workers. Fosters development of observational skills and instructional techniques. Registration in course requires students to purchase liability insurance through the college. (2 hrs. lecture, 3 hrs. practicum.) Prerequisite: ED22. Recommended: concurrent enrollment in or completion of ED25, ED35 or ED45. (offered fall semester only) A-E-G / 3 cr. hrs.

EARLY CHILDHOOD EDUCATION/EDUCATION

ED11 / EDU101

FOUNDATIONS OF EARLY CHILDHOOD EDUCATION

Overview of early childhood education theory, history, philosophy and psychology. Current issues also examined and critiqued. Includes 10 hours of field visits to various early childhood programs. No prerequisite. A-E-G / 3 cr. hrs.

ED12 / EDU201

INTRODUCTION TO EDUCATION

Focuses on foundations of educational system in U.S. Students study the school in relation to historical and philosophical premises of education; analyze relationship among social and cultural influences on school and curriculum; examine role of teacher within cultural context; and study physical organization of schools and classrooms in relation to educational goals and curriculum. Guided observation in elementary school (10 hrs.) or secondary school (20 hrs.). Prerequisites: matriculation in Education (Child Study – curriculum code 112) or Adolescence Education (middle and secondary schools – curriculum codes 113, 114, 115, 116, 117, 118) programs and completion of 30 credits. A-E-G / 3 cr. hrs.

ED20‡ / DRF220

AUTOCAD II

Enhances or upgrades skills in application of AUTOCAD software. Covers advanced operations from polylines through 3D drawing to rendering. Students learn to create professional drawings and presentations including slide shows and walk-throughs. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: DR14 or permission of department. A / 3 cr. hrs.

DR51‡ / DRK223

INTRODUCTION TO 3D MODELING, RENDERING AND ANIMATION

Hands-on introduction to 3D design, presentation and animation potential of 3D Studio Max and AutoCAD. Students learn fundamental 3D CAD skills necessary to create basic 3D models, renderings and animations and gain broad understanding of software’s capabilities to see how they might take full advantage of these powerful design and communication tools. During class each student has exclusive use of a state-of-the-art computer and is guided through a series of short tutorial projects. Students learn how to create wire frame, surface and solid models; apply lighting and materials; create renderings and animations such as an architectural walk thru, forensic reenactment or artistic expression. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: DR14 or permission of instructor. A / 3 cr. hrs.
EDU215
CREATIVE ACTIVITIES: MUSIC
Study of musical needs of young children and appropriate instructional techniques. Emphasis on understanding rhythms and creating and using suitable materials. Prerequisites: ED11 and enrollment in Early Childhood Education curriculum or permission of department or appropriate campus administrator. A-E-G / 3 cr. hrs.

EDU221
THE CHILD AND HIS/HER WORLD
Study of the young child's development of self-image and his/her perception of life, death and family roles. Registration in this course requires students to purchase liability insurance through the college. (2 hrs. lecture, 6 hrs. field work.) Prerequisite: ED33. Recommended: concurrent enrollment in or completion of ED25, ED35 or ED45. (Offered spring semester only) A-E-G / 4 cr. hrs.

EDU202
CREATIVE ACTIVITIES: LITERATURE
Survey of all forms of children's literature and developmentally appropriate presentation techniques. Prerequisites: ED11 and enrollment in Early Childhood Education curriculum or permission of department or appropriate campus administrator. A-E-G / 3 cr. hrs.

ESCI101
INTRODUCTION TO GEOLOGY
Study of Planet Earth, its origin, structure, composition and the forces which shape its surface. Plate tectonics provides framework for understanding processes of volcanism, mountain building and earthquakes. External forces such as glaciers, streams and ocean waves are examined in order to interpret the landscape. Laboratories include studies of minerals, rocks, maps, photographs and other materials used by geologists to study the earth. Some field work required. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent. A-E-G / 4 cr. hrs.

ESCI102
EVOLUTION OF EARTH AND LIFE
Introduction to evolutionary aspects of geology, development of continents, mountains and basins through the ages, and the parallel evolution of plants and animals. Laboratory stresses fossil relationships and stratigraphic problems. Field trips include fossil collecting. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent. A-E-G / 4 cr. hrs.

MET101
INTRODUCTION TO WEATHER
Introduction to elements and energies that are basic processes described as weather. Basic principles such as temperature, pressure, density, humidity and air movement are studied to provide basis for understanding long- and short-range forecasting, including severe weather phenomena such as hurricanes, tornadoes and storms. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent. A-E-G / 4 cr. hrs.

AST101
ASTRONOMY OF THE SOLAR SYSTEM
Introduction to fundamental aspects of planetary science. Topics include historical development of astronomy; basic concepts of celestial coordinates and motions; properties and individual characteristics of planets and their moons, asteroids, comets and meteoroids; and origin and evolution of solar system. Students also learn to identify celestial objects (constellations, prominent stars, planets, etc.) utilizing planetarium, telescopes and unaided eye. Occasional evening observations required. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent. A-E / 4 cr. hrs.

AST102
ASTRONOMY OF STARS AND GALAXIES
Introduction to fundamental aspects of universe beyond our solar system. Topics include properties of electromagnetic radiation and its relation to study of celestial objects; structure, classification and evolution of stars, nebulae, star clusters, galaxies, and material between stars. Age, origin and evolution of universe studied in terms of modern cosmology. Occasional evening observations required. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or permission of instructor. A-E-G / 4 cr. hrs.

ESC124
ENVIRONMENTAL GEOLOGY
Topics include current environmental issues relating to geologic environment. Teaches geologic hazards, land use planning and development, surface and subsurface water systems, solid waste disposal and management, energy sources and consumption, and air quality. Requires attendance on field trip(s) and at town planning board meetings. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent. A / 4 cr. hrs.
SPECIAL TOPICS IN EARTH AND SPACE SCIENCE
Special and current topics in earth and space science. Content varies from year to year. Prerequisite: MA07 or equivalent. Note: ES courses not involving laboratory work do not satisfy laboratory science requirements for any curricula. A-E-G / 3-4 cr. hrs. each

ES50 / ESC250
MARINE GEOLOGY
Study of modern theories of ocean basins, their morphology, origin and evolution. Emphasis on processes and features of coastal ocean in vicinity of Long Island. Lectures and laboratory work integrated with field trips. Term research project required. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: ES15 or OC15. A / 4 cr. hrs.

ES51-54 / ESC251-254
GEOLOGICAL FIELD STUDIES
Familiarizes students interested in geology with field methods in various geologic environments. Topographic maps and aerial photos used in conjunction with study of stratigraphic sections and structural relationships. Fossil assemblages, weathering and erosional features are studied. Credits vary with duration of course. (Any travel expenses are responsibility of student.) Prerequisite: ES15.

ES55‡ / ESC202
GEOMORPHOLOGY
Descriptive and analytical study of land forms and landscape evolution. Use of topographic maps and stereo-aerial photographs emphasized. Cross-sections and geologic maps utilized in the laboratory and several field trips are included. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent. A / 4 cr. hrs.

ES57‡ / AST201
OBSERVATIONAL ASTRONOMY
One-semester course devoted to systematic observations of the sun, moon, transits, eclipses, occultations and meteor showers. Various telescopes used for this study and for further study of planets, deep sky objects, binary stars, variable stars and asteroids. To best complete the course work, irregular hours of observations, planetarium sessions and field trips are required. (2 hrs. lecture, 1 hr. recitation, 2 hrs. laboratory.) Prerequisite: ES21 or ES22. A-E / 4 cr. hrs.

ECO101
CURRENT ECONOMIC ISSUES
Introduces use of economic methods for understanding social and political events dominating news headlines. Crime, health care, poverty and taxes are issues important in our daily lives and may serve as topics in developing the course. No prerequisite. A-E-G / 3 cr. hrs.

MACROECONOMICS: THE NATIONAL ECONOMY
Course begins with simplified description of a complex matter: how and how well does a national economy work? Over short periods of time, production and employment are known to be volatile, while over longer periods of time production and employment grow. Why is each of these observations true and what is role of government (if any) in the process? No prerequisite. A-E-G / 3 cr. hrs.

MICROECONOMICS: PRICES AND MARKETS
Introduces structure and operation of markets for goods, resources and financial instruments. How does a market determine the price for a good? Within a market, how does the firm determine its profit-maximizing production level of a good and employment level of labor? How does competitiveness of the market affect behavior of the firm? Under what circumstances (if any) should government alter decisions of the marketplace? No prerequisite. A-E-G / 3 cr. hrs.

ECONOMICS OF NATURAL RESOURCE MANAGEMENT
Introduces theory and practice of natural resource management. Economic concepts of market system, marginal analysis and cost-benefit analysis are established as theoretical core of course. These conceptual tools are applied to resource management problems of air, water, energy, agriculture, forests and wildlife. A model for sustainable economic development provides overview for course and offers a management strategy for regional and global conflicts between economic growth and environmental quality. E / 3 cr. hrs.

ECO148-149
SPECIAL TOPICS IN ECONOMICS
Special and current topics in economics. Content varies from semester to semester. A-E / 3 cr. hrs.
ELECTRICAL ENGINEERING TECHNOLOGY

TE12‡ / ELT112
ELECTRICITY I
Fundamental laws of electricity as applied to solution of resistive circuits with any excitation. Laboratory portion enables students to gain practical experience in use of test equipment and procedures while verifying principles learned in the lecture. Credit not given for both TE12 and TE10 or TE11. (3 hrs. lecture, 2 hrs. laboratory.) Corequisite: MA27. A / 4 cr. hrs.

TE13‡ / ELT113
DIGITAL ELECTRONICS I
Introduction to digital electronics. Topics include number systems and codes, Boolean algebra, and combinatorial and synchronous circuits. Laboratory portion of course emphasizes implementation of concepts developed in the lecture and trouble-shooting techniques. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: admission to Electrical Technology program. Corequisites: MA27, TE12 and TE15. A / 4 cr. hrs.

TE15‡ / ELT115
TECHNICAL PROBLEM SOLVING
Practical methods of solving technical problems are explored. Flowcharting and computer programming skills are developed as tools in the problem solving process. (2 hrs. laboratory.) Prerequisite: admission to Electrical Technology program. Corequisites: MA27, TE12 and TE15. A / 4 cr. hrs.

TE21‡ / ELT221
ELECTRONIC APPLICATIONS OF MATHEMATICS
Explores mathematical theory applied to electronic circuits. Creation of sinusoidal functions through filtering, exponential waveforms in R-C and R-L circuits, phase shifting, wave-shaping and function analysis via diode and transistor circuits. Application of complex numbers in R-L-C circuits. (2 hrs. lecture.) A / 1 cr. hr.

TE22‡ / ELT222
ELECTRONICS I
Operation and application of diodes, bipolar and field effect transistors and thyristors. Laboratory portion illustrates use of electronic equipment to test ideas presented in the lecture. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisites: MA27, TE12 and TE15. Corequisites: MA61 and TE24. A / 4 cr. hrs.

TE24‡ / ELT224
ELECTRICITY II
The understanding of network analysis techniques learned in Electricity I is reinforced and extended to solution of networks with AC excitations. Topics emphasized include impedance, admittance, resonance and frequency response, transformers, power relations and 3-phase systems. Computers used as a problem-solving tool. Objective of the laboratory is to illustrate use of appropriate electronic equipment for testing of principles presented in the lecture. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisites: TE12, TE15 and MA27. Corequisite: MA61. A / 4 cr. hrs.

TE27‡ / ELT227
ELECTRICAL CONSTRUCTION
Introduction to general principles and practices of troubleshooting. Topics include design and construction of printed circuit boards. Construction of electronic circuits and systems. (2 hrs. laboratory.) Prerequisites: TE12, TE13 and TE15. Corequisites: TE22 and TE24. A / 1 cr. hr.

TE28‡ / ELT228
DIGITAL ELECTRONICS II
Microprocessors and associated circuitry are examined. Topics include architecture, peripheral devices and software. Laboratory portion deals with application of concepts learned in the lecture to practical working systems. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: TE12, TE13, TE15 and MA27. Corequisite: TE22. A / 3 cr. hrs.

TE31 / ELT231
ELECTRICITY III
Methods of applying mathematical techniques to electrical and electronic circuits. Topics include voltage and current in RLC circuits with various excitations, energy in electrical circuits, instantaneous and average power, etc. (4 hrs. lecture.) Prerequisites: MA61, TE24 and TE22. A / 4 cr. hrs.

TE36‡ / ELT236
ELECTRONICS II
Develops a thorough understanding of electronic circuit analysis techniques. Topics include study of circuits with the following emphases: multi-stage cascaded systems, frequency response, voltage comparators, Schmitt Trigger circuits and saturated and cutoff transistors. Integrated circuits are analyzed. Laboratory portion investigates practical aspects of topics covered in the lecture. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: TE22 and TE24. Corequisite: TE31. A / 3 cr. hrs.

TE38‡ / ELT238
DIGITAL ELECTRONICS III
Microprocessor and computer interfacing and introduction to 16 bit microcomputers. Included are computer-controlled test equipment techniques. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: TE22 and TE28. Corequisite: TE36. A / 3 cr. hrs.

TE41 / ELT241
ANALOGUE COMMUNICATIONS
Introduction to analogue communication techniques such as AM, FM and pulse code modulation. Public and private communication techniques examined in reference to ISDN, video, cellular, ATM and wireless techniques. Transmission mediums and techniques utilizing fiber, cable, RF, microwave and satellite studied in depth. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: TE31 and TE36. A / 3 cr. hrs.

† Course Fee
TE42‡ / ELT242
DATA COMMUNICATIONS
Examines data communication systems and techniques such as multiplexing, coding, PSK and others. Explores current technology as well as proposed technology in data communications. Covers how information is transmitted utilizing current digital techniques. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: TE31 and TE36. A / 3 cr. hrs.

TE43‡ / ELT243
ADVANCED ELECTRONICS
Capstone course where students are evaluated in equipment setup and usage, trouble-shooting skills, team building and communication skills. Students given projects to design, build and demonstrate, including amplifiers, wireless communication circuits/systems, and signal generation circuits. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: TE31, TE36 and TE38. A / 3 cr. hrs.

TE50‡ / ELT150
THE WORKINGS OF PERSONAL COMPUTERS
Teaches basics of personal computers, both software and hardware orientation. Hardware orientation taught through disassembly and assembly of personal computers in hands-on lab experience. Software taught in lecture format with some in-class computer work. Students also learn how to deal with upgrades in both hardware and software and problems encountered with them. (2 hrs. lecture, 2 hrs. laboratory.) No prerequisite. A / 3 cr. hrs.

TE51‡ / ELT151
CISCO COMPUTER NETWORKING I
Covers CISCO Program I and II in one semester. Introduces OSI layers and LAN implementation. First half of semester covers OSI seven-layer model. Second half of semester dedicated to router configuration and five router LAN implementation. Students acquire knowledge to set up and maintain a local network. (3 hrs. lecture, 3 hrs. laboratory.) A-G / 3 cr. hrs.

TE52‡ / ELT152
CISCO COMPUTER NETWORKING II
Second of two-semester sequence in Local and Wide area networking. Building on knowledge gained from TE51, course uses hands-on laboratory exercises and threaded case studies to train students in skills needed to design, build and maintain small to medium-size computer networks, enabling students to enter workforce and/or further their education and training in computer networking field. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: TE51. A-G / 3 cr. hrs.

TE61-69 / ELT161-169
SPECIAL TOPICS IN ELECTRICAL TECHNOLOGY
Special and current topics in Electrical Technology. Content varies from year to year. A / 3-4 cr. hrs. each

ENGINEERING

EN12‡ / EEE112
INTRODUCTION TO ELECTRONIC DESIGN
Explores basic electronic design principles and system design approaches through construction and measurement of a specific system. Projects incorporate analogue and digital circuits with learning analysis techniques utilizing circuit simulation software. Students learn basics of team building, problem solving, individual and group dynamic communication skills. Each project constructed, tested and presented by the group. (1 hr. lecture, 2 hrs. laboratory.) Corequisite: MA87. A / 2 cr. hrs.

EN17 / EEE117
ENGINEERING COMPUTATIONS
Introductory course in use of computers for solving engineering problems. Principle emphasis on formulation of problems and their solution within framework of the C programming language. (3 hrs. lecture.) Prerequisite: admission to Engineering program. A / 3 cr. hrs.

EN18 / EEE118
ENGINEERING MECHANICS: STATICS
Application of Newtonian mechanics to equilibrium of particles and rigid bodies, vector representation of forces in two and three dimensions, moment of a force about a point or axis; centroids and moment of inertia, laws of dry friction, and force analysis of simple structures. (3 hrs. lecture.) Prerequisites: PH71 and MA88. A / 3 cr. hrs.

EN19 / EEE119
ENGINEERING MECHANICS DYNAMICS
Continuation of application of Newtonian mechanics to particles and rigid bodies in motion; rectilinear and curvilinear motion of particles; time-rate of change of linear momentum; angular momentum work of a force and kinetic energy; kinematics and kinetics of rigid bodies; plane motion; rigid body dynamics; and mechanical vibrations. (3 hrs. lecture.) Prerequisite: EN18. A / 3 cr. hrs.

EN31‡ / EEE231
DIGITAL SYSTEMS
Analysis and design of both combination and sequential systems in digital circuits and systems. Topics include number systems and codes, logic gates, switching algebra, switching functions, k-maps, combinational and arithmetic circuits, latches and flip-flops, sequential logic and modules, semiconductor memory, PLDs and applications, introduction to design and implementation of controllers. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: PH71 or EN17. A / 4 cr. hrs.

‡ Course Fee
EN32 / EEE232
DETERMINISTIC SIGNALS AND SYSTEMS
Introduces signal analysis and system analysis with manipulation techniques for both analogue and digital signals. Sampling of analogue signals and relationships to actual analogue signal explored. Sampling theorem, concepts of linearity, time-invariance, causality in systems discussed. Convolution integral and summation as pertaining to FIR and IIR filters. Mathematical applications of differential equations, Laplace transforms, z-transforms, Fourier series and transform transforms. Provides foundation for control systems, communications, electronic and digital processing. (3 hrs. lecture.) Prerequisites: PH71 and MA88. Corequisites: MA90, EN33 and PH73. A / 3 cr. hrs.

EN33‡ / EEE233
ELECTRICAL ENGINEERING CIRCUIT ANALYSIS
Introduction to electrical networks and devices in both DC and AC systems. Introduces analysis techniques such as Kerchief’s current and voltage laws, Ohm’s law, superposition reciprocity, Mesh and Nodal analysis, and Thevenin and Norton theorems. Components and circuits include resistors, capacitors, inductors, R-L, R-C and R-L-C circuits. Topics include sinusoidal steady-state response, resonance, positive real functions, power calculations, Fourier analysis, and transient analysis using Laplace Transforms. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisites: MA88 and PH71. Corequisites: MA90 and PH73. A / 4 cr. hrs.

EN41‡ / EEE241
ELECTRONICS LAB
Development of measurement techniques and instrumentation implementation in verification of circuit operation. Laboratory exercises include diode circuits, amplifier construction, design and measurement of class A, B and C amplifiers, differential amplifiers, oscillators, power supplies, wave-shaping and analogue signal processing. (5 hrs. laboratory.) Corequisite: EN42. A / 2 cr. hrs.

EN42 / EEE242
ELECTRONIC CIRCUIT DESIGN
Study of electronic devices and circuits including diodes, wave shaping circuits, rectifiers, transistors, large and small signal amplifier design, amplifier frequency response, gate and electronic switches. (4 hrs. lecture.) Prerequisite: EN33. Corequisite: EN41. A / 4 cr. hrs.

EN43 / EEE243
RANDOM SIGNALS AND SYSTEMS
Random experiments and events; random variables, probability distribution and density functions, continuous and discrete random processes; Bernoulli, Poisson, and Gaussian processes; system reliability; Markov chains; elements of queuing theory; detection of signals in noise; estimation of signal parameters; properties and applications of auto-correlation and cross-correlation functions; power spectral density; response of linear systems and random inputs. (3 hrs. lecture.) Prerequisites: EN32 and MA90. A / 3 cr. hrs.

EN45 / EEE245
MECHANICS OF MATERIALS
Basic principles of analysis of elastic stresses and strains in structural members. Topics include direct stresses, torsion, bending and deflection of beams and column action as well as statically determinate and indeterminate structures. (3 hrs. lecture.) Prerequisite: EN18. A / 3 cr. hrs.

ENGLISH

I. Placement
Incoming students are initially placed in EG09, EG10 or EG11 on the basis of high school records and/or test scores. Some incoming students with superior English grades or test scores may be given advanced placement into EG35 or another appropriate course.

II. Course Selection after the First Semester
1. Those students initially placed in EG09 should take EG10 as their next course.
2. Those students initially placed in EG10 should take EG11 as their next course.
3. For courses after EG11, students should follow the degree requirements of their curriculum (as listed in the college catalog.)
4. Students who have additional questions about course selection should consult members of the English faculty.

III. Categories of English Courses
Note: Courses above EG11 are numbered on the basis of subject matter, not according to degree of difficulty.

EG09 ......... Basic English Skills (Developmental)
EG10 ......... Developmental Writing (Developmental)
EG11 ......... Standard Freshman Composition
EG13 ......... Introduction to Literature
EG20s and EG30s .... Specialized writing and language skills courses
EG41-EG91 ......... Special topics, content and survey courses
EG98-99  ............ English Honors
Special Programs  . . The campus writing centers offer students individual attention to their writing

IV. Emphasis and Degree Requirements
Note: The following are general guidelines. For specific degree requirements see the individual curriculum.

1. All students must take EG11. (The exception is students who receive advanced placement.)
2. All A.A., A.S., and A.A.S. degree programs require at least six credits of English.
3. EG09 and EG10 do not fulfill degree or certificate requirements.
4. EG13 is required for students in the following curricula:
   • all Associate in Arts (A.A.) degree curricula (numbered in the 100s)
   • all Associate in Science (A.S.) degree curricula (numbered in the 200s)
   • the following Associate in Applied Science (A.A.S.) degree curricula (numbered in the 300s):
     - Computer Art
     - Culinary Arts
     - Interior Design Assistant
     - Occupational Therapy Assistant
     - Photographic Imaging
     - Veterinary Science Technology
5. Any English course (EG designation only) beyond EG11 can be counted toward the six-credit-minimum English requirement except where a particular emphasis (e.g., Humanities or Social Science) requires specific courses (see the individual curriculum.)

EG09 / ENG009
BASIC ENGLISH SKILLS
Basic writing course for students who have difficulty organizing and expressing their thoughts clearly, who have problems with usage, or who simply lack much practice in writing. All students receive instruction in both developing and expressing ideas. Work on specific problems of spelling, punctuation and grammatical usage is drawn primarily from students’ own writings. Additional work on related exercises may be required. By placement. To be taken in the first semester. Graded on an S-W-U-R basis. Not applicable toward any degree or certificate.  A-E-G / 3 hrs.

EG10 / ENG10
DEVELOPMENTAL WRITING
Emphasizes basic writing skills, outlining, development of ideas and reading comprehension. Specific topics in grammar, punctuation, spelling, vocabulary and rhetoric are assigned according to needs of the students. To complete the course, students are expected to write short expository papers which show an understanding of fundamentals of organization and effective sentence structure and which avoid gross errors in grammar and mechanics. By placement. To be taken in the first semester unless placed in EG09. Graded on an S-W-U-R basis. Not applicable toward any degree or certificate. A-E-G / 3 hrs.

EG11 / ENG101
STANDARD FRESHMAN COMPOSITION
Explores principles of rhetoric and stresses effective expository writing. Primarily a course in organization of ideas and development of these ideas through use of specific information. Also deals with matters of style, sentence structure, paragraph development, punctuation and vocabulary. Also introduces students to close reading of appropriate materials. By placement. To be taken prior to higher-numbered courses. A-E-G / 3 cr. hrs.

EG13 / ENG102
INTRODUCTION TO LITERATURE
Introduction to imaginative works of literature: the short story, novel, poem and drama. Close and analytical study of this literature introduces students to major literary themes and forms. Continues training in effective prose writing and requires students to demonstrate maturity in thought and style. Recommended for those who plan to continue their studies at a four-year institution. Required for students in the following curricula: Liberal Arts and Sciences: General Studies, Humanities, Social Science; Accounting (A.S.), Business Administration (A.S.); Communications and Media Arts; and Engineering Science. Prerequisite: EG11. A-E-G / 3 cr. hrs.

EG18‡ / ENG107
THE RESEARCH PAPER
Offers students opportunity to learn sound and productive procedures for conducting research and to produce a well-organized and well-developed written report of that research. Prerequisite: EG11. LR11 recommended as pre- or corequisite. G / 1 cr. hr.

EG20 / ENG120
THE STORY OF WRITING
The computer window is the fifth great writing space that will take its place beside clay tablets of Sumerians, ancient Egyptian papyrus roll, medieval codex, and printed book. Using the computer, World Wide Web and the printed book, students independently trace and connect origins of writing from cave paintings to present use of hypertext (electronic writing). All course work done electronically (online) and requires building a Webfolio. Several workshops available throughout semester for assisting students in accessing college server. Prerequisite: EG11. A / 3 cr. hrs.
EG21 / ENG121
TECHNICAL WRITING
Orientation in field of technical writing and editing. Introduces various forms of technical writing: reports, manuals, publication specifications and standards, proposals, training materials, brochures and technical articles. Mechanics of manuscript preparation and preparation of reproduction-ready copy are discussed in detail, as are activities of various publications departments—editing, layout, printing, quality control, etc. Prerequisite or corequisite: EG11.
A-E-G / 3 cr. hrs.

EG22 / ENG122
WRITING TECHNICAL REPORTS
Prepares students for professional writing through focusing on the report development process and on specific proposal and report types. Students learn strategies for successfully producing reports—planning, analyzing purpose, devising research strategies, managing time, writing drafts, managing review cycles, revising and editing. Additional general topics include design elements of reports, integration of graphics and text, style and tone, and manuscript and online preparation. Most projects assigned on individual basis; at least one is collaborative. Prerequisites: EG11 and EG21.
E / 3 cr. hrs.

EG23 / ENG123
TECHNICAL DOCUMENTATION
Prepares students to write professional specifications and end-user documentation through applying effective document design and creating easy-to-use, task-oriented instructions for specific audiences. General topic areas include situational analysis for specifications and instructions, components of technical description and instructions, layout and design principles for user documentation, and the technical documentation process (analyzing purpose and audience, gathering data, writing drafts, troubleshooting, managing review cycles and document usability testing, revising, editing, and manuscript and online preparation). Most projects assigned on individual basis; at least one is collaborative. Prerequisite: EG11 and EG21.
E / 3 cr. hrs.

EG24 / ENG124
EDITING AND SPECIAL PROBLEMS
Develops skills in technical and scientific editing and prepares students for special demands in technical communication. Students gain skills in proofreading, copy editing, and manuscript or online document preparation; they also complete an editing project. The special problems portion concentrates on newly emerging areas in the discipline, which may focus on a variety of subjects such as aspects of graphics, animation or online documentation. Prerequisite: EG11 and EG21.
E / 3 cr. hrs.

EG33 / ENG119
THE STRUCTURE OF ENGLISH
Evolution of the English language and syntactical patterns from which English sentences are generated. Particular attention given to traditional, structuralist, and generative-transformational theories of grammar and to pedagogical and sociological assumptions underlying each. Prerequisite: EG11.
A-E-G / 3 cr. hrs.
Note: This course does not satisfy the English requirement in the Liberal Arts and Sciences: General Studies curriculum.

EG35 / ENG201
ADVANCED EXPOSITORY WRITING
Advanced course in writing, emphasizing good organization and forceful expression. Treats various forms of exposition: the personal essay of opinion, introspection, retrospection and experience, and the descriptive essay of observation and analysis. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG36 / ENG130
AUTOBIOGRAPHICAL WRITING
For readers and writers of autobiography. Reading select memoir and autobiographical literature, students analyze composing techniques and write their own autobiographical pieces. Substantial writing practice includes approaches to memoir writing such as portraiture, landscape and memory, travel and history. Prerequisite: EG11.
G / 3 cr. hrs.

EG37 / ENG131
CREATIVE WRITING
Develops control and style in creative writing, specifically of prose fiction, poetry and plays. Students pursue individual projects and assignments of established forms of creative writing. Discussions pay attention, as well, to development of stronger criteria for self-evaluation and particular needs of a creative writer to gauge his or her audience in order to market his or her work. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG39 / ENG203
ADVANCED CREATIVE WRITING/FICTION
Advanced workshop course devoted to writing fiction, with emphasis placed on development of craft, voice and editorial skills. Students submit short stories and/or novel excerpts for review and discussion. Prerequisite: EG37.
A-E-G / 3 cr. hrs.

EG40 / ENG204
ADVANCED CREATIVE WRITING/POETRY
Advanced workshop course devoted to writing poetry, with emphasis on development of craft, voice and editorial skills. Students submit poems for review and discussion. Prerequisite: EG37.
A-E-G / 3 cr. hrs.
EG41-44A / ENG151-154A
EG45-47G / ENG155-157G
EG48-50E / ENG158-160E

SPECIAL TOPICS IN LITERATURE
Deals with literary issues and topics whose specific content varies from year to year.
A-E-G / 3 cr. hrs. each

EG51 / ENG141
INTRODUCTION TO THE NOVEL
Through close reading of major works, students examine development of the novel from the 18th century to the present. Discussion covers techniques, themes and cultural-historical contexts of the works. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG52 / ENG142
INTRODUCTION TO DRAMATIC LITERATURE
Study of theme, structure, characterization and imagery in representative drama from the Greeks to the Moderns. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG53 / ENG205
CONTEMPORARY LITERATURE
Study of significant contemporary works which illustrate important themes in modern thought with emphasis on contemporary insights. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG54 / ENG206
THE SHORT STORY
Explores origins and historical development of the short story, its unique characteristics and its relationship to other literary forms. Students read wide variety of short stories from different historical periods. Some authors who may be included are Faulkner, O’Connor, Melville, Poe, O’Henry, Updike, Cheever, Joyce, Hemingway, Welty, de Maupassant, James, Kafka and others. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG55 / ENG207
MASS MEDIA
Study of communication techniques used by mass media in American society: newspapers, periodicals, television, radio, films. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

Note: This course does not satisfy the English requirement in the Liberal Arts and Sciences: General Studies curriculum.

EG56 / ENG208
THE DOCUMENTARY FILM
Traces development of documentary film through viewing films, reading critical essays, and discussing and writing about the films. Students analyze films focusing on cinematic elements such as point of view and narrative. Students examine films as statements by individuals living within a particular cultural framework, as instruments of propaganda, as entertainment, and as devices which expand our perspectives of world around us. Prerequisite: EG11.
(Same as CN56.)
A-G / 3 cr. hrs.

Note: Credit given for EG56 or CN56, but not both.

EG57 / ENG209
THE LITERATURE OF THE BIBLE
Survey of historical, prophetic and poetic literature in the Old and New Testaments with attention paid to historical and cultural context. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG58 / ENG210
SCIENCE FICTION
Deals with the future as seen through literature of science fiction. Among themes covered are the effect of science and technology on human beings in a futuristic landscape and the modern mythological journey of the heroine/hero. Among writers included are H.G. Wells, Robert Heinlein, Arthur C. Clarke, Isaac Asimov, Frederick Pohl and Ursula LeGuin. Prerequisite: EG11.
A / 3 cr. hrs.

EG59 / ENG211
AFRICAN-AMERICAN LITERATURE
Focuses on major works by black writers and social/historical contexts informing these works. The literature includes slave narratives, essays, autobiographies, poetry, plays and film. Among writers whose works are considered are F. Douglas, L. Brent, W.E.B. DuBois, B. T. Washington, R. Wright, J. Baldwin, G. Brooks, R. Hayden, T. Morrison, A. Walker, A. Wilson, I. Reed and T. McMillan. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG60 / ENG212
CONTEMPORARY GLOBAL LITERATURE
Focuses on contemporary literature from Caribbean, Latin America, North and Sub-Saharan Africa, Middle East, East Asia and Southeast Asia. Prerequisites: EG11 and EG13.
A-E-G / 3 cr. hrs.

EG61 / ENG213
ENGLISH LITERATURE I
Study of major themes and styles in Middle Ages, Renaissance and Age of Reason as they appear in the works of such authors as Chaucer, Marlowe, Shakespeare, Donne, Milton, Swift and Pope. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG62 / ENG214
ENGLISH LITERATURE II
Study of works of such Romantic poets as Blake, Wordsworth, Coleridge, Shelley, Keats and Byron; such major Victorian writers as Bronte and Tennyson; and such 20th century writers as Joyce, Thomas and Beckett. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG71 / ENG215
AMERICAN LITERATURE I
A study of primary trends and themes in literature of American writers from the Colonial Period through the Civil War. Works of such writers as Franklin, Irving, Cooper, Poe, Emerson, Thoreau, Hawthorne, Melville, Whitman and Dickinson are discussed. Prerequisite: EG11.
A-E-G / 3 cr. hrs.
EG72 / ENG216
AMERICAN LITERATURE II
Study of American literature from end of the Civil War to the present, highlighting such central figures as Twain, Crane, Fitzgerald, Hemingway, Faulkner, O’Neil and Frost. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG73 / ENG217
ENVIRONMENTAL LITERATURE
Focuses on literature that investigates humankind’s relationships with natural world. Among writers whose works are considered are H.D. Thoreau, R. Carson, E. Abbey, A. Dillard, W. Berry, H. Beston, W. Heyen, A. Leopold and R. Nelson. Prerequisite: EG11.
E / 3 cr. hrs.

EG74 / ENG218
THE HISPANIC VOICE IN AMERICAN LITERATURE
Focuses on works of modern Hispanic-American writers, including such authors as Pulitzer Prize winners Oscar Hijuelos and National Book Award nominee Cristina Garcia (Cuban-Americans), Piri Thomas and Judith Ortiz Cofer (Puerto Ricans), and Rudolfo Anaya and Sandra Cisneros (Mexican-Americans). As with all fine writers, their work deals with universal and timeless themes common to human condition. They present their fiction, poetry, drama and essays from a perspective that reflects their cultural heritage, history and experiences as a minority group living in U.S. Accordingly, their work revolves around such themes as language, alienation, identity, exile and assimilation, prejudice, cultural and ethnic pride, religion, and family. Theirs is an important and rising voice in literature of U.S. Prerequisite: EG11.
G / 3 cr. hrs.

EG81 / ENG219
MODERN LITERATURE
Study of British, European and American literature of the modern period (up to and including WW II) focusing on such literary developments as naturalism, impressionism, stream of consciousness and existentialism. An attempt is made to view the works in a psychological, historical and sociological context. Writers who may be included in discussion are Dostoevsky, Hesse, Conrad, Mann, Joyce, Kafka, Camus, Yeats, and Faulkner. Prerequisite: EG11.
A-E / 3 cr. hrs.

EG83 / ENG220
SHAKESPEARE
Critical study of representative Shakespearean comedies, tragedies and histories, including examination of the Elizabethan world picture. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG85, 86 / ENG143, 144
MASTERPIECES OF WORLD LITERATURE I AND II
Study of major works of world literature emphasizing mythological, social and philosophical backgrounds of Classical, Medieval, Renaissance and Modern periods. EG85 deals with such authors as Homer, Sophocles, Dante and Cervantes; EG86 with Moliere, Voltaire, Goethe and Tolstoy. Prerequisite: EG11.
A-G / 3 cr. hrs each

EG91 / ENG221
THE ART OF POETRY
Study of theme, form and imagery in traditional and contemporary poetry. Prerequisite: EG11.
A-E-G / 3 cr. hrs.

EG96H / ENG224H
THE EPIC
Honors course examining a number of significant epics with view toward understanding their origins and literary impact. Each epic studied in its historical and cultural context as well as in terms of literary themes and poetic expression. Individual epics examined closely to gain appreciation of their unique qualities. In addition, issues common to a number of epics are explored. General topics include nature of the epic as expression of heroic or religious ideals, the epic as expression of cultural attitudes, difference between oral and literary epics, the epic as a particular kind of poetic experience, and heroic nature of epic poetry. Prerequisite: EG11.
G / 3 cr. hrs.

EG98H,99H / ENG222H,223H
ENGLISH HONORS
Honors courses open to students with a 3.0 average or better in nine credit hours of English, including EG13. Specific content varies from semester to semester.
A / 3 cr. hrs each

ENGLISH AS A SECOND LANGUAGE
Note: No EF courses award credit toward a degree except EF20.

EF01-02‡ / ESL011-012
ESL: COLLEGE READING I AND II
EF01 provides self-paced and small group instruction in basic reading skills for ESL students. Instruction emphasizes word recognition, pronunciation and meanings. Also, the course focuses on interpretation of written material, including common English idiomatic expressions. Practice in the study skills of textbook reading and note taking are also important parts of this course. EF02 continues to build on skills developed in EFO1. EF01 and EF02 students are required to spend a minimum of two hours a week on selected assignments in the Reading Center/Academic Skills Center. Both courses graded on an S-W-U-R basis. Corequisite for EF01: RELA; prerequisite for EF02: EF01; corequisite for EF02: RELB.
A-E-G / 3 hrs each

‡ Course Fee
EF03-04‡ / ESL013-014
ESL: INTENSIVE GRAMMAR I AND II
EF03 teaches basic structures of the English language necessary for its full understanding and fluent usage. Grammar and syntax are practiced through exercises designed to increase language fluency and understanding. Students’ vocabulary and spelling skills are developed and enhanced. EF04 continues to build on skills developed in EF03. EF03 and EF04 students are required to spend a minimum of one hour a week on selected assignments in the Language Lab/Academic Skills Center. Both courses graded on an S-W-U-R basis. Prerequisite for EF04: EF03.
A-E-G / 3 hrs. each

EF05-06‡ / ESL015-016
ESL: COLLEGE LISTENING/ SPEAKING SKILLS I AND II
EF05 improves speaking and listening skills. Students learn to recognize and correct pronunciation problems. Speaking and listening skills are developed through exercises designed to involve the student in discussions on selected topics in American culture and college life. EF06 continues to build on skills developed in EF05. EF05 and EF06 students are required to spend a minimum of one hour a week on selected assignments in the Language Lab/Academic Skills Center. Both courses graded on an S-W-U-R basis. Prerequisite for EF06: EF05.
A-E-G / 3 hrs. each

EF07-08‡ / ESL017-018
ESL: COLLEGE COMPOSITION I AND II
EF07 helps students write better essays and reports. Students practice writing clear sentences and paragraphs in standard English. They also study spelling, vocabulary and idioms. EF08 continues to build on skills developed in EF07. EF07 and EF08 students are required to spend a minimum of one hour a week on selected assignments in the Writing Center/Academic Skills Center. Both courses graded on an S-W-U-R basis. Prerequisite for EF08: EF07.
A-E-G / 3 hrs. each

EF20 / ESL120
ESL: INTEGRATED WRITING/GRAMMAR
Special topics course teaching learning skills by applying techniques for developing an effective approach to solving writing problems that includes using fundamental rules of grammar. Teamwork, discovery learning, critical thinking, peer assessment and self-assessment are integral to the course. Students give presentations as means of teaching applications learned from collaborative work with other students. Objective is to produce self-directed writers with skills they can apply to continually improve their writing for use in college courses and throughout their careers. Prerequisites: EF03 and EF07. Can be used to fulfill a humanities, liberal arts or unrestricted elective.
G / 3 cr. hrs.

FIRE PROTECTION TECHNOLOGY

FS11 / FPT111
INTRODUCTION TO FIRE PROTECTION
Introductory survey of fire prevention, protection and suppression systems providing an overview of such elements as composition of fire, home fire safety, building construction, extinguishing agents, fire-fighting equipment, fire-fighting procedures, detection and protection systems, fire extinguishers and their utilization. Foundation for other courses in the program. A / 3 cr. hrs.

FS13 / FPT113
HAZARDOUS MATERIALS I
Chemical characteristics and behavior of various materials which burn and/or react violently when acted upon by various other substances or conditions. Emphasis on flammable liquids, solids, dusts and gases, and attendant fire extinguishment problems. Study includes matter and energy, chemical and physical changes, atoms, the nucleus and planetary electrons, nuclear reactions and isotopes, atomic weights, kinetic molecular theory of state, forms of energy, conservation of energy, conversion of units, Boyle’s Law, heat and its effects, halons and extinguishing agents. A / 3 cr. hrs.

FS24 / FPT114
HAZARDOUS MATERIALS II
Storage, handling, standards, explosives and fire-fighting techniques associated with chemicals, gases, flammable liquids, corrosives, poisons, rocket propellants and exotic fuel, and radioactive materials. Formation of toxic fumes and health hazards also stressed. Ignition and combustion characteristics of gases, liquids and solids related to free-burning fire, and explosion phenomena. Familiarization with radiological instruments, human exposure to radiation, decontamination procedures, common uses of radioactive materials and operational procedures. Prerequisite: FS13. A / 3 cr. hrs.

FS31 / FPT131
BUILDING CONSTRUCTION AND FACILITIES
Review of fire protection considerations in building construction and facilities, including the Building Exits Code, air conditioning and ventilating appliances, roof coverings, building construction operations and tests of building materials to determine their fire safety characteristics. A / 3 cr. hrs.

FS40 / FPT140
FIRE PROTECTION HYDRAULICS
Principles of hydraulics, suction and drafting water, velocity and discharge, friction loss calculations, engine and nozzle pressures, fire hydrants and mains, fire streams, sprinkler system calculations and pumps. A / 3 cr. hrs.

‡ Course Fee
FS48 / FPT148
FIRE SERVICE MANAGEMENT
AND LEADERSHIP
Principles of management as related to fire service. Includes management functions, the management cycle behavioral sciences, leadership, communications, public relations, records and reports. A/3 cr. hrs.

FS49 / FPT149
STRATEGIES AND TACTICS
Enables students to devise strategies and tactics needed to resolve problems at fires and emergency scenes. Students learn Incident Command System, fire company operations, firefighter safety and operational guidelines, and procedures for major building types. A/3 cr. hrs.

FS50 / FPT150
ARSON AND FIRE INVESTIGATION
History, development and philosophy of detection and prosecutorial steps with respect to the crime of arson. Discussion of socio/economic conditions behind alarming rise in number of incendiary fires. Examination of investigatory skills, interrogation, record keeping, reports, court procedure. Study of federal, state and local arson laws. Study of chemistry of fire and explosions. A/3 cr. hrs.

FS71 / FPT171
INDUSTRIAL SAFETY ENGINEERING
Fundamentals of industrial safety including history, safety inspections, safety organization and committees, accident investigation records and injury rates. A/3 cr. hrs.

FS72 / FPT172
INDUSTRIAL SAFETY ENGINEERING II
More detailed safety engineering considerations, such as principles of guarding and transmission guards, local exhaust systems, electrical hazards, industrial hygiene and chemical hazards. Prerequisite: FS71. A/3 cr. hrs.

FOREIGN LANGUAGES
(See listings for individual languages – Special Topics: Latin and Chinese, French, German, Italian, Spanish)

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FL41-46A / FLA141-146A
SPECIAL TOPICS IN FOREIGN LANGUAGES
Special topics in foreign languages and literatures. A/3 cr. hrs. each

‡ Course Fee
FL41-42A / FLA141-142A
ELEMENTARY LATIN I AND II
Special topics courses covering beginning sequences in Latin. Develop sentence structure including noun forms and verb usages of tense, mood and voice. Attention given to influence of Latin on English vocabulary. Readings of authentic cultural, literary and historical materials. Prerequisite for FL42: FL41. (See guidelines chart under “Foreign Languages.”) A/ 3 cr. hrs. each

FL43-44A / FLA143-144A
ELEMENTARY CHINESE I AND II
Special topics courses that develop ability to understand Chinese. Stress four language skills of listening, speaking, reading and writing with emphasis on communicative competence. Integrated teaching methodology combines best of grammatical and functional approaches to language acquisition. In addition, students begin to understand aspects of Chinese culture. Prerequisite for FL44: FL43. (See guidelines chart under “Foreign Languages.”) A/ 3 cr. hrs. each

FRENCH
†COURSE FEE FOR AMMERMAN AND GRANT CAMPUSES ONLY
FR11-12‡ / FRE101-102
ELEMENTARY FRENCH I and II
Introductory sequential courses in French which develop four language skills of listening, speaking, reading and writing with emphasis on communicative competence. Introduce basic concepts of French culture. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) FR11 is for students with little or no knowledge of French; it is not appropriate for native/ fluent speakers of French – FR51 is recommended or see advisor. Prerequisite for FR12: FR11 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs. each
Note: Credit given for 1) either or both courses in the FR11-12 sequence or 2) FR13, but not for both options.

FR13‡ / FRE113
INTENSIVE ELEMENTARY FRENCH I AND II
Accelerated course covering elementary French sequence (FR11 and FR12) in one semester. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) No prerequisite. E / 6 cr. hrs.
Notes: 1) This course is not appropriate for native/fluent speakers of French – FR51 recommended or see advisor. 2) May not be taken for credit after any other course in French.

FR51‡ / FRE201
INTERMEDIATE FRENCH I
Continues study of structures of French with more intensive oral and writing practice. Introduces cultural and literary selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: FR12 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

FR52‡ / FRE202
INTERMEDIATE FRENCH II
Structured review focusing on oral and written communication. Introduces social, political and cultural aspects of French world through analysis of wide range of authentic literary and cultural selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: FR51 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

GEOGRAPHY
GY15 / GEO101
WORLD REGIONAL GEOGRAPHY
General survey of fundamental geographic characteristics of principal world regions. Particular emphasis on how differences in environment and culture greatly influence lifestyle, economy and social well-being. Focuses on dynamic interplay between spatial variations in the landscape and ecologic processes, socioeconomic systems and philosophic beliefs. No prerequisite. A-E-G / 3 cr. hrs.

GY16 / GEO102
CULTURE AND THE ENVIRONMENT
Cultural geography focusing on variations among cultures as they differ, through time, from place to place. Deals with origins and diffusion of agriculture, race, religion, language, technology and settlement. No prerequisite. A-E-G / 3 cr. hrs.

GY17 / GEO103
POLITICAL GEOGRAPHY
Locational aspects of political characteristics. Emphasis directed toward geographic effects on political and territorial behavior of peoples of the world. Specific topics include changing frontiers and boundaries, territorial jurisdiction, population pressures, and colonialism and nationalism. No prerequisite. A-E-G / 3 cr. hrs.
### Geography – Graphic Design

**GY20 / GEO105**  
**INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS**
Introduces computer software that integrates computerized mapping technology with data bases linked through geographic coordinates. Geographic Information Systems (GIS) enhance data presentation and facilitate analysis of information tied to a geographic location. This mapping technology has applications to a broad range of academic disciplines and career fields, including environmental and community planning, political and sociological analysis, marketing and economic studies, law enforcement and health care services, and business and government management.  
A-E-G / 3 cr. hrs.

**GY41-44A / GEO240-243A**  
**GY45-47G / GEO244-246G**  
**GY48-50E / GEO247-249E**  
**SPECIAL TOPICS IN GEOGRAPHY**
Special and current topics in geography. Content varies from year to year.  
A-E-G / 3 cr. hrs. each.

### GERMAN

**GE11-12‡ / GER101-102**  
**ELEMENTARY GERMAN I and II**
Introductory sequential courses in German which develop four language skills of listening, speaking, reading and writing with emphasis on communicative competence. Introduce basic concepts of German culture. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) GE11 is for students with little or no knowledge of German; it is not appropriate for native/ fluent speakers of German — GE51 is recommended or see advisor. Prerequisite for GE12: GE11 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”)  
A-E / 3 cr. hrs.

**GE51‡ / GER201**  
**INTERMEDIATE GERMAN I**
Continues study of structures of German with more intensive oral and writing practice. Introduces cultural and literary selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: GE12 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”)  
A-E / 3 cr. hrs.

**GRS2‡ / GER202**  
**INTERMEDIATE GERMAN II**
Structured review focusing on oral and written communication. Introduces social, political and cultural aspects of German world through analysis of wide range of authentic literary and cultural selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: GE51 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”)  
A-E / 3 cr. hrs.

### GRAPHIC DESIGN

**GR20 / GRD104**  
**HISTORY OF GRAPHIC DESIGN**
Historical study of use of graphic design as a communications tool from cave drawings to present-day technology. Emphasis placed on graphic communication in the 20th century.  
(offer spring semester only)  
E / 3 cr. hrs.

**GR24‡ / GRD101**  
**BASIC GRAPHIC DESIGN**
Introduction to elements and principles of graphic design involving elementary exercises in page composition, letterform and grid systems. Emphasis on developing skills in handling of tools, materials and technical terms. Mastery of a visual language is developed from ideas to completed comprehensives. Computer software such as Quark Xpress will be used. (5 studio hrs. each week.) Corequisites: GR31 and VA30.  
(offer fall semester only)  
E / 3 cr. hrs.

**GR25‡ / GRD103**  
**TYPOGRAPHIC DESIGN**
Study of typography and its application in contemporary design. Students use letterforms in all assignments to demonstrate understanding typography in design. Format is a studio class with computer lab exercises and critiques using software such as Quark Xpress, Adobe Illustrator or Macromedia FreeHand. To be more familiar with a number of typefaces, students required to keep a type journal. (5 studio hrs. each week.) Prerequisites: GR24 and GR31 or permission of department.  
(offer spring semester only)  
E / 3 cr. hrs.

**GR26‡ / GRD201**  
**PRINT MEDIA I**
As a visual communicator, the graphic designer defines a problem by its audience, its message and its medium. The student, as an investigator of techniques and imagery within various formats of publications, develops contemporary graphic processes and techniques with typography, digital images and experimental media supplemented by using computer software such as Quark Xpress, Adobe Illustrator, Adobe Photoshop and Macromedia FreeHand. Mechanical procedures and the art of presentation for critiques is augmented by practical skills with research, budgets, schedules, layouts, mechanics, marker rendering, photography and color separations. (4 studio hrs. each week.) Prerequisites: VA30, GR31 and GR25, or permission of department.  
Corequisite: GR28.  
(offer fall semester only)  
E / 2 cr. hrs.

‡ Course Fee
GR27‡ / GRD202
PRINT MEDIA II
Emphasizes creative risk in graphic design problem-solving. Students are given issue-oriented assignments requiring research before creation of an integrated set of visual devices with the help of computer software such as Quark Xpress, Adobe Illustrator, Adobe Photoshop and Macromedia FreeHand. Personal interpretations, originality, and techniques for sequential organization of elements in problem-solving are stressed. (4 studio hrs. each week.) Prerequisite: GR26 or permission of department. Corequisite: GR29. (offered spring semester only)
E / 2 cr. hrs.

GR28‡ / GRD203
INTERACTIVE PRODUCTION
Team-taught course which expands computer techniques for mastery of electronic typography and imaging to create and communicate a visual message. All assignments require research, review of trends and styles, and encourage creative interpretation in various publication formats and interactive media. Students use software such as Macromedia FreeHand, Macromedia Director, Adobe Illustrator and Adobe Photoshop, along with supplementary packages that deal with Internet page construction. (6 studio hrs. each week.) Prerequisites: VA30, GR31 and GR25, or permission of department. Corequisite: GR26. (offered fall semester only)
E / 3 cr. hrs.

GR29‡ / GRD204
INTERACTIVE MEDIA PRESENTATIONS
Team-taught course which concentrates on training the graphic designer to develop effective electronic media. Students work on multimedia projects to communicate visual information in multiple situations. Students use software such as Macromedia FreeHand, Macromedia Director, Adobe Illustrator and Adobe Photoshop, along with supplementary packages that deal with Internet page construction. (6 studio hrs. each week.) Prerequisites: GR26 and GR28 or permission of department. Corequisite: GR27. (offered spring semester only)
E / 3 cr. hrs.

GR31‡ / GRD102
INTRODUCTION TO COMPUTER-BASED DESIGN
Introduces use of personal computers and Quark Xpress software for the visual artist. Students explore page layout and drawing software, learn to combine scanned and drawn images with typography; address issues of hard copy and problems with reproduction, and review history of computer in art. Through use of this technology, students expand possibilities of visual design. Graphic Design curriculum corequisites: GR24 and VA30. Required for all computer art, graphic design and photographic imaging students in their first semester.
E-G / 3 cr. hrs.

GR36 / GRD205
GRAPHIC DESIGN PORTFOLIO PREPARATION AND ASSESSMENT
Concentrates on completion of student’s portfolio of work suitable for entry into the graphic design profession. Instructors work with individual students as both mentor and advisor. Students must be in their final semester of Graphic Design curriculum. Prerequisites: GR26 and GR28. Corequisites: GR27 and GR29. Department permission required for admission into this class. (offered spring semester only)
E / 1 cr. hr.

HEALTH CAREERS

HC11 / HSC101
HEALTH CONCEPTS
Basic concepts, principles, attitudes and information regarding health for students within framework of their individual needs. Designed so that students can recognize and utilize those factors which contribute to creation and maintenance of a healthy lifestyle. No prerequisite.
A-E-G / 3 cr. hrs.

HC12 / HSC102
DYNAMICS OF HEALTH CARE
Provides basic knowledge of health services and comprehensive health care available in America today. Current and critical issues as well as problems and solutions are discussed. Roles of health care team are studied. No prerequisite.
E-G / 3 cr. hrs.

HC14 / HSC104
GERONTOLOGY
Overview of the aging process. Various concepts and approaches provide new perspectives on role and status of the elderly in American society. No prerequisite.
A-G / 3 cr. hrs.

HC15 / HSC104
NUTRITION CONCEPTS AND CONTROVERSIES
Ideal for persons confused about nutritional claims advertised in media. Covers identification of reliable sources of nutrition information and overview of basic nutrition principles. Discusses popular and controversial nutrition topics such as immunity, megavitamin therapy, sports nutrition, antioxidants, weight control diets and vegetarianism. No prerequisite. May be substituted for FM20 for students transferring into Dietetic Technician curriculum.
A-E-G / 3 cr. hrs.

HC17 / HSC110
HEALTH CHALLENGES CONFRONTING ETHNIC AMERICA
In-depth study of major health challenges confronting African Americans, Latin Americans and other populations in the United States. Medical, public health, community and individual responses to these problems are explored with emphasis on personal strategies for health maintenance. Suggested for all health science majors and all students who desire a clear understanding of health problems confronting these populations. No prerequisite.
G / 3 cr. hrs.

† Course Fee
Health Careers

HC21 / HSC111
HUMAN SEXUALITY
Interdisciplinary course offered by departments of Biology and Health Careers. Helps students understand human sexual functioning as an integrated phenomenon related to biology, emotions, motivation, personality and social interaction. A diversity of material is presented to assist students in understanding biopsychosocial aspects of sexuality. Satisfies a liberal arts and sciences or unrestricted elective requirement, but not a social science or mathematics/science elective requirement. No prerequisite. A-E / 3 cr. hrs.

HC22‡ / HSC112
SAFETY, FIRST AID AND CPR
Prevention and treatment of common emergency situations. Standard Red Cross techniques are utilized. Successful completion of this course qualifies the student for both the Red Cross Responding to Emergencies Certificate and a Professional Rescuer CPR Certificate. No prerequisite. A-E-G / 3 cr. hrs.

HC26‡ / HSC126
EMERGENCY MEDICAL CARE I
Covers all techniques of emergency medical care presently considered within the responsibilities of the Emergency Medical Technician. Emphasizes development of student skills in recognition of symptoms of illnesses and injuries and proper procedures of emergency care. Successful completion of this course leads to New York State certification as an Emergency Medical Technician–Defibrillation. Registration in HC26 requires students to purchase liability insurance through the college and complete a thorough physical examination with their own physician at their own cost (including laboratory work) as required by the college health service. (5 hrs. lecture, 5 hrs. laboratory, 24 hours clinical rotation.) No prerequisite. A-E-G / 7 cr. hrs.

HC28‡ / HSC128
CRASH VICTIM EXTRICATION
Examines range of activities that may occur, and for which rescuers need to be prepared for effective response, at the scene of a vehicle accident where emergency extrication is necessary. (3 hrs. lecture) A / 3 cr. hrs.

HC34-36‡ / HSC234-236
EMERGENCY MEDICAL TECHNICIAN CRITICAL CARE II-III
Emphasize skills necessary for provision of advanced life support. Successful completion of state examination results in New York State Certification, EMT-CC. Registration in HC34 and HC36 requires students to purchase liability insurance through the college and complete a thorough physical examination with their own physician at their own cost (including laboratory work) as required by the college health service. (5 hrs. lecture, 3 hrs. laboratory, 123 hrs. total clinical/field internship.) Prerequisite and corequisite for HC34-HC36: current certification as New York State Emergency Medical Technician. Prerequisite for HC36: HC34 with minimum grade of C. A-E / 7 cr. hrs. each

HC38 / HSC238
EMERGENCY CARE SEMINAR
Evaluation and study of emergency medical system through case presentation, clinical practice and topics of concern for Suffolk County. Prerequisite or corequisite: HC26. A-E / 3 cr. hrs.

HC41-43A / HSC141-143A
HC51-53G / HSC151-153G
HC54-59E / HSC154-159E
SPECIAL TOPICS IN HEALTH CAREERS
Special and current topics in health careers. Content varies from year to year. A-E-G / 1-4 cr. hrs each

HC43 / HSC243
SEMINAR AND FIELD EXPERIENCE IN HOSPICE CARE
Special topics course providing supervised experience in hospice setting. Students observe and assume duties and responsibilities relating to hospice care. Registration in this course requires students to purchase liability insurance through the college. Prerequisites: HC60, HC64 and HC66. (2 hrs. lecture, 8 hrs. fieldwork) A / 4 cr. hrs.

HC44 / HSC114
GROUP DYNAMICS
Introduction to concepts of behavior related to group activity and a study of sociometric techniques for the purpose of developing skill in interpersonal relationships within the health team. Recommended for students contemplating possibility of entering a health-oriented profession and/or students interested in health issues. (3 hrs. lecture.) No prerequisite. A-E-G / 3 cr. hrs.

HC50 / HSC125
INTRODUCTION TO ALCOHOLISM STUDIES
Traces social ambivalence toward “responsible” use of beverage alcohol. Topics include social drinking, addiction and treatment. This course is acceptable for partial fulfillment of academic requirements for the New York State Certified Alcoholism Counselor credential. No prerequisite. E-G / 3 cr. hrs.

HC51 / HSC151
SPORTS MEDICINE AND ATHLETIC TRAINING
Special topics course covering recognition of signs and symptoms of sports-related injuries, emphasizing importance of sports injury prevention and rehabilitation as well as pre-season screening process. Also includes familiarization with new medical terminology, introduction to supportive devices and braces associated with athletic-related injuries, hands-on assessment of athletic injuries, and analysis of skeletal, muscular and neurological systems as related to human body. G / 3 cr. hrs.
HC66 / HSC131
DEATH AND DYING
Termination of life is a complex experience and one which family, friends and caregivers must face. Introduces the area of death and dying as it relates to the older adult. Provides insight and sensitivity from an intellectual as well as a human perspective. No prerequisite. A / 3 cr. hrs.

HEALTH INFORMATION TECHNOLOGY/ MEDICAL RECORDS
HI14‡ / HIT114
INTRODUCTION TO HEALTH INFORMATION
The Health Information/Medical Records field and its relationship to health care. Students examine medical record content and format, procedures for collecting and processing health information, numbering and filing systems, retention of records, indexes, registers, and primary and secondary health records. (3 hrs. lecture.) Corequisites: MD11 and BY30. G / 3 cr. hrs.

HI16 / HIT116
HEALTH INFORMATION; DATA CONTENT AND STRUCTURE
Examines content and structure of medical record used by healthcare providers. Roles of technology, standards and regulations discussed as they relate to transition from paper-based medical record to computerized medical record. (3 hrs. lecture.) Prerequisite: HI14 with C grade or higher. Corequisite: CI21. G / 3 cr. hrs.

HI18 / HIT118
LEGAL ASPECTS OF HEALTH INFORMATION
Reviews policies and procedures for confidentiality, consents for treatment, and release of information. United States court structure, federal and state systems, and legal proceedings are presented. (3 hrs. lecture.) No prerequisite. G / 3 cr. hrs.

HI20 / HIT220
STUDY OF DISEASE
Provides students with knowledge of disease processes as documented by clinicians. Students study and interpret laboratory values and pharmaceutical information appearing in the medical record. (3 hrs. lecture.) Prerequisites: BY32, MD11. G / 3 cr. hrs.

HI22 / HIT222
QUALITY IMPROVEMENT
Presents history and present-day applications of hospital Performance Improvement Program. Covers clinical resource management; risk management; JCAHO compliance; patient safety; customer service/patient satisfaction; physician, department and hospital report cards; data collection and analysis; statistical process control theory, and medical staff credentialing. Students develop Performance Improvement outcome indicators and report cards; review medical records for clinical pertinence; and collect, analyze and present Performance Improvement data using computer software. Emphasizes role of HIM professional in facilitating Performance Improvement in HIM Department and relationship to hospital-wide Performance Improvement. (3 hrs. lecture.) Recommended prerequisite: HI25. G / 3 cr. hrs.

HI25 / HIT225
HEALTH INFORMATION STATISTICS
Enhances information acquired in HI14. Students retrieve and prepare health statistics, learn how to graphically display health data, and examine various computer applications (hardware and software for health information) that relate to various functions within health care setting. (3 hrs. lecture.) Prerequisites: HI14 with C grade or higher, BY32 and MA23. G / 3 cr. hrs.

HI27‡ / HI1227
DIRECTED CLINICAL PRACTICE I
Provides independent practical application of material presented in Health Information Statistics. Students gain experience in affiliated area hospitals. During clinical experience, students required to attend an on-campus seminar to discuss their assignments. Registration in this course requires that students purchase liability insurance through the college. (1 hr. seminar, 3 hrs. clinical.) Prerequisites: HI16 and HI18 with C grades or higher. G / 2 cr. hrs.

HI35 / HIT235
CODING AND CLASSIFICATION SYSTEMS
Introduction to medical nomenclatures and diagnostic classification systems and relationship of coding to reimbursement. Overview of International Classification of Diseases, 9th version, Clinical Modification (ICD 9 CM) and other coding systems is presented. Students code utilizing medical and practice exercises. (3 hrs. lecture.) Corequisite: HI20. G / 3 cr. hrs.

HI36 / HIT236
ADVANCED CODING/CPT-4 AND REIMBURSEMENT METHODOLOGIES
Focuses on applying advanced coding techniques. Students are taught CPT-4 coding. Present forms of reimbursement and importance of new legislation emphasized. (3 hrs. lecture.) Prerequisite: HI35 with C grade or higher. G / 3 cr. hrs.

‡ Course Fee
HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION (HVAC/R)

HV13 / HVA111
COMPUTER APPLICATIONS IN TECHNOLOGY
Comprehensive computer course designed for technology students. Interactive laboratory and lecture sessions provide students with skills needed to analyze and present solutions to engineering design challenges. Emphasizes how word processing, presentation and spreadsheet tools are used for engineering, statistical and numeric applications. (3 hrs. lecture, 3 hrs. laboratory.) G / 4 cr. hrs.

HV14 / HVA131
REFRIGERATION AND AIR CONDITIONING SYSTEMS
Teaches fundamental knowledge of air conditioning and refrigeration theory as well as basic electricity. Develops job-entry knowledge for installing, operating, troubleshooting and repairing refrigeration and air conditioning systems. Students construct operating refrigeration systems that serve as trainers as they learn to solder, braze, flare swage, leak test, evacuate, charge, service and evaluate both refrigeration and electrical circuits of HVAC/R systems. (3 hrs. lecture, 4 hrs. laboratory.) G / 5 cr. hrs.

HV16 / HVA141
HEATING SYSTEMS
Covers operation, installation, servicing and maintenance of oil, gas and electric heating equipment, including water heaters. Emphasis placed on theory of operation of fossil fuel systems as well as electric and reverse-cycle refrigeration systems (heat pumps). In lab, students disassemble and evaluate component parts of oil burners, ignition systems, fan centers and other devices instrumental in operation of heating equipment. (3 hrs. lecture, 4 hrs. laboratory.) Prerequisites: HV13 and HV14. G / 5 cr. hrs.

HV17 / HVA222
HVAC/R CONTROL SYSTEMS
Covers electrical and solid-state devices used to control operation of air conditioning, heating and refrigeration systems. Students construct and evaluate circuits and their components to gain solid understanding of how components function together to provide desired system operation. Students troubleshoot components and design control systems based on projects assigned in class. Projects include control systems for air conditioning, oil heating, gas heating, and reverse-cycle refrigeration systems. Emphasis also on motor controls as well as pneumatics. (3 hrs. lecture, 4 hrs. laboratory.) Prerequisites: HV14 and HV16. G / 4 cr. hrs.

HV18 / HVA232
HVAC/R COMMERCIAL SYSTEMS
Covers commercial air conditioning, heating and refrigeration systems. Emphasis on installation, service and troubleshooting, as well as air distribution systems, psychrometrics, water-cooled equipment, cooling towers and chillers. (3 hrs. lecture, 4 hrs. laboratory.) Prerequisites: HV14 and HV16. G / 5 cr. hrs.

HV19 / HVA242
DIAGNOSTICS AND SERVICING
Teaches skills needed to logically and accurately troubleshoot and diagnose HVAC/R systems as well as skills needed to perform successful service calls. Emphasis on customer service, professionalism and organization, while using prior HVAC/R knowledge to restore proper system operation. (3 hrs. lecture, 4 hrs. laboratory.) Prerequisite: HV16. G / 5 cr. hrs.

HV20 / HVA252
HVAC/R SYSTEM DESIGN
Students complete necessary calculations, drawings and proposals to execute three major design projects which may include, but are not limited to, gas-fired forced air systems with air conditioning, oil and/or gas-fired hydronic or radiant heat systems, heat pump systems, commercial and residential split-type air conditioning systems, and air distribution systems. Emphasis on use of manufacturer’s literature and design aids, which include computer programs designed to facilitate system selection and performance parameters. (2 hrs. lecture; 4 hrs. laboratory.) Prerequisites: HV18 and MA41. G / 4 cr. hrs.
HV30 / HVA260  
HVAC/R INTERNSHIP  
Provides supervised, real-world experience with carefully selected HVAC/R contractors. Through required weekly seminars, students receive instruction on topics related to employment environment while obtaining practical work experience. Students must perform minimum of 120 supervised, field-service hours. Prerequisites: completion of minimum of 24 credit hours in "HV" courses and minimum grade point average of 2.5, or written permission from Cooperative Education Coordinator and either Director of HVAC/R department or Campus Dean.  
G / 3 cr. hrs.

HISTORY  
Note: History courses may be taken in any order; there are no prerequisites, except for HS20. All history courses qualify as social science electives.

HS11 / HIS101  
WESTERN CIVILIZATION I  
Study of principal forces that have shaped European civilization from antiquity to 1715. Note: Credit given for HS11 or ID11, but not both. No prerequisite.  
A-E-G / 3 cr. hrs.

HS12 / HIS102  
WESTERN CIVILIZATION II  
Study of ideas, politics and economies that influenced European civilization since 1715. Note: Credit given for HS12 or ID12, but not both. No prerequisite.  
A-E-G / 3 cr. hrs.

HS20 / HIS201  
INTRODUCTION TO MEDIEVAL EUROPE  
Western Europe from breakup of the Roman Empire to the 15th century (476-1475), emphasizing political, social, economic and intellectual forces that shaped medieval civilization. Prerequisite: HS11 or permission of instructor.  
A-E / 3 cr. hrs.

HS22 / HIS107  
MODERN WORLD HISTORY  
Study of major developments in world history from World War II to the present. Issues of war, population, the environment and the international economy are analyzed. No prerequisite.  
A-E-G / 3 cr. hrs.

HS33 / HIS103  
FOUNDATIONS OF AMERICAN HISTORY  
Survey of American history from its colonial beginnings through the Civil War. Topics include origin and development of American ideals, American Revolution and constitution, westward expansion and Jacksonian Democracy, social and economic changes in the mid-19th century, slavery and the Civil War. No prerequisite.  
A-E-G / 3 cr. hrs.

HS34 / HIS104  
MODERN AMERICAN HISTORY  
Analysis of American history from mid-19th century to the present. Topics include impact of industrialism, development of America as a world power, increased role of federal government, and present state of American society. No prerequisite.  
A-E-G / 3 cr. hrs.

‡ Course Fee

HS38 / HIS105  
WOMEN’S ROLE IN AMERICAN HISTORY  
Analysis of the part that women played in American History from the Colonial period to the present. Emphasis on social, political and religious attitudes toward women; status of women; influence of specific women; female involvement in important movements and organizations, etc. No prerequisite.  
A-E / 3 cr. hrs.

HS39 / HIS106  
HISTORY OF LONG ISLAND  
Major events, personalities and factors shaping development of Long Island from pre-Colombian past to present. Covers historical highlights in Nassau and Suffolk Counties in general and examines local towns and their contributions. Also provides background for present and prospective teachers wishing to prepare themselves for state education department’s directive that elementary schools teach local history. No prerequisite.  
A-E / 3 cr. hrs.

HS41-44A / HIS240-243A  
HS45-47G / HIS244-246G  
HS48-50E / HIS247-249E  
SPECIAL TOPICS IN HISTORY  
Special and current topics in history. Content varies from year to year.  
A-E-G / 3 cr. hrs. each

HS51 / HIS118  
MAJOR WORLD CULTURES  
Major intellectual and cultural achievements of the world’s great non-European civilizations. Stresses global integration and the need to understand the unique beliefs and contributions of the many different human communities that have given shape to our present-day world civilization. No prerequisite.  
A-E / 3 cr. hrs.

HS57 / HIS119  
THE FAR EASTERN WORLD  
Survey of historical, geographic, cultural and economic forces and features influencing people and policies of China and Japan. Special emphasis on contemporary problems of Far East. No prerequisite.  
A-E-G / 3 cr. hrs.

HS90 / HIS120  
HISTORY OF RELIGION  
Origins, development and impact of major religions of the contemporary world: Hinduism, Buddhism, Confucianism, Taoism, Shinto, Judaism, Christianity and Islam. Main beliefs and practices of these religions are analyzed in relation to the social, economic, political and cultural background of each population. No prerequisite.  
A-E-G / 3 cr. hrs.
HONORS

EG96H / ENG224H
THE EPIC
Honors course examining a number of significant epics with view toward understanding their origins and literary impact. Each epic studied in its historical and cultural context as well as in terms of literary themes and poetic expression. Individual epics examined closely to gain appreciation of their unique qualities. In addition, issues common to a number of epics are explored. General topics include nature of the epic as expression of heroic or religious ideals, the epic as expression of cultural attitudes, difference between oral and literary epics, the epic as a particular kind of poetic experience, and heroic nature of epic poetry. Prerequisite: EG11. G / 3 cr. hrs.

EG98H, 99H / ENG222H, 223H
ENGLISH HONORS
Honors courses open to students with 3.0 average or better in nine credit hours of English, including EG13. Specific content varies from semester to semester.

HM28H / HUM115H
HUMANITIES HONORS CORE COURSE
Honors course offering students opportunity to engage in an interesting and intellectually challenging examination of works inspired by creative imaginations, past and present. Primary purpose of course is to promote knowledge, understanding, love of the creative process, and appreciation of contributions that great writers, artists and philosophers have made to humanity. While some topics might vary from one semester to the next, a core of themes in art, literature and philosophy explored from a global, interdisciplinary perspective remain constant. Prerequisite: admission to Honors Program.

HM77H / HUM120H
THE GREAT ROMANCE
Special topics Honors course offering voyage into beginnings and development of Western Romanticism. Interdisciplinary exploration of the composers, poets, writers and artists whose social, political and artistic views were formed in Europe during the 19th century. Relationship between composer, poet and painter is explored in depth. Among artists studied are Beethoven/Schiller, Schubert/Goethe and Debussy/Monet. Also includes study of poetry of Blake, Wordsworth, Coleridge, Keats, Byron and Shelley, as well as paintings of David, Goya, Delacroix, Gendault, Turner and Constable. Concert and museum attendance is required. Prerequisite: enrollment in Honors Program or permission of Campus Dean or Honors Program office.

HM81H / HUM125H
THE COMIC MUSE
Special topics Honors course providing serious look at comedy and exploring different methods and styles its creators have used to provoke laughter, including farce, satire, parody, comedy of manners and comedy of ideas. Classic and contemporary work ranging from Aristophanes to Monty Python is studied and compared to criticism which analyzes how and why comedy works.

HM87H / HUM130H
THE REVENGE THEME
Special topics Honors course demonstrating that human appetite for revenge is a persistent theme of story tellers from antiquity to contemporary popular culture. Examines past and present social, moral and legal attitudes toward revenge by analyzing revenge theme in drama, fiction, film, folk tale and song, including works which treat avenger as hero and those which probe destructive effects of obsessive revenge and moral dilemmas involved.

HM88H / HUM135H
SHAKESPEARE IN PERFORMANCE
Special topics Honors course comparing and contrasting production of Shakespeare’s plays by different artists to observe how the artistry of diverse directors, actors, designers, etc., can affect the finished product. Students read selected plays, examine what is known about staging in Shakespeare’s time, and view videotapes of various stage, film and television productions to assess the impact of these artists on the audience’s perception of the original texts. Adaptations of Shakespeare plays into ballet, foreign film, modern drama, musical and opera are also considered. Prerequisite: permission of Campus Dean or Honors Program coordinator.

HM92H / HUM140H
THE ORIGINS OF MODERNISM
Special topics Honors course which examines early decades of Modernist movement (1890-1920). Provides full and enriched understanding of idea of modernism by looking at works from many genres including painting, architecture, literature, philosophy, music and film. Also includes discussion of political, social, scientific and cultural trends that helped create Modernist ethos. Some key figures studied include artists: Monet, Picasso and Duchamp; writers: Pound, Eliot, Kafka, Mann and Rilke; and musicians: Debussy, Stravinsky and Schoenberg. Some of major movements that comprise Modernism such as Impressionism, Expressionism, Futurism and Surrealism are also addressed.

HM94H / HUM145H
THE BEAT GENERATION IN NEW YORK AND PARIS
Special topics Honors course dealing with modernist roots and development of a post-modernist aesthetic. Emphasis on individuals who were involved in this transition: the Beats in New York and San Francisco, and the New Wave in Paris. All areas of art, music and literature are examined.
IDHS / IND115H
HONORS SEMINAR – CIVILIZATION
Honors seminar providing further opportunity for discussion of the ideas, and particularly the literature, introduced in the basic course. Students are asked to explore themes important to each unit with further reading and discussion and write three short papers for the seminar. Corequisite for ID11H and ID12H.
A / 1 cr. hr.

ID45H / IND120H
MAKING MEANING: AN INTRODUCTION TO REASONING AND RESEARCH
Honors course introducing theoretical and practical aspects of reasoning and research employed in science, social science and humanities. In this course research is considered as one step within a process of analytical reasoning where students first develop inferences and formulate tentative explanations, then conduct research to obtain evidence to support or disprove these explanations, and finally integrate evidence and explanation to articulate new and original conclusions. Students examine logic and scientific method, explanations of unconscious motivation in psychology, and use of metaphor to convey meaning in the humanities. In addition to theoretical considerations of reasoning and research employed in these three intellectual disciplines, students prepare individual research papers on topics of their choice which formulate research questions and use evidence logically to support their arguments and conclusions.
E / 4 cr. hrs.

MA28H / MAT115H
MATHEMATICS: AN HISTORICAL PERSPECTIVE
Honors course showing how mathematical methods and thinking have changed through centuries and are evolving still. Emphasis placed on people and events that are understandable to students with ordinary mathematics backgrounds. Covers material from ancient to present times and attempts to trace impact that mathematics has had on modern culture. (Offered fall semester at Grant campus, spring semester at Ammerman campus.)
A-G / 4 cr. hrs.

SC28H / SOC115H
SOCIAL SCIENCE HONORS CORE COURSE
Honors core course focusing on multidisciplinary approach to study of the social sciences, which includes anthropology, economics, geography, history, political science, sociology and psychology. Courses designed in broad-based manner with intent of examining a topic relevant to a particular social scientist but one that includes more than a single discipline or a single methodology. Therefore, content and substance of each course varies with each instructor, but is inclusive of as many disciplines within social sciences as are appropriate and necessary. Students expected to be actively engaged in classroom discussions, as well as to complete written assignments that involve rigorous research and application of creative thinking. Ultimate goal of course is to engender a knowledge and love of social sciences while providing necessary insights into the human condition. Prerequisite: admission to Honors Program.
A / 4 cr. hrs.

SC49H / SOC121H
AMERICAN DREAMS
Honors course. In a sense, American Dreams is a romp, a cruise or, depending on one's perspective, a grand tour of American intellectual history. From War of Independence to war on poverty, Americans have demonstrated an unswerving faith in the power of reason and a passion to create a new Jerusalem from a wilderness continent. Although the nation has had shameful episodes of bigotry and intolerance, the historic thrust of the American people has been the search for a new horizon. No prerequisite.
A / 4 cr. hrs.

SC60H / SOC125H
THE ATOMIC AGE
Honors core course exploring many ways that power of the atom has affected modern world. History of atomic science discussed, including examination of discoveries of scientists such as Ernest Rutherford, Neils Bohr, Mme. Curie, Albert Einstein and others. Additional topics include Manhattan Project and bombing of Hiroshima and Nagasaki; threat of atomic weapons during Cold War; peaceful development and use of nuclear power to generate electricity; and application of atomic science in fields such as chemistry, medicine and astronomy. Controversial aspects of atomic energy discussed including opposition to nuclear arms testing and proliferation; dangers posed to environment by radioactive waste; accidents at Three Mile Island, Chernobyl and Tokaimura; and danger of “nuclear terrorism” in post-Cold War world.
E / 4 cr. hrs.
SC62H / SOC130H
CONCEPT OF FREEDOM IN AMERICAN SOCIETY
“...that all men are created equal, that they are endowed by their creator with certain inalienable rights, that among these are life, liberty and the pursuit of happiness.”

Thus, the Declaration of Independence describes the great American concept of individual rights. Throughout our history we have striven to interpret the ideals of rights and liberties into practical political and social behaviors. We have waged military battles to spread their “truths” to other countries and cultures. And we argue among ourselves as to the definition and privileges of these so-called universal rights.

This Honors course studies the background and path of history of these ideas and discusses their applications to try to make sense and action out of the Founding Fathers’ dreams. E/4 cr. hrs.

SC65H / SOC135H
INDIVIDUAL RIGHTS VERSUS SOCIETAL NEEDS
Since the advent of Western civilization, the rights and needs of the individual have been in tension with the safety and success of society. This Honors course takes students through an intensive study of the process to find a working balance between people and institutions they have used to fit themselves into society. By combining the disciplines of history, sociology, political science, economics and art history, students examine the tension of individuals trying to maintain their dignity and identity against the needs of order and organization to make society work together. E/4 cr. hrs.

SM27H / SCI127H
EVOLUTION AND SOCIETY
Honors course demonstrating that evolution is key to understanding biology and environment in which we live and also to understanding a number of issues that affect all citizens. Course introduces historical and mechanistic aspects of evolutionary biology. Implication of evolution for current social and political issues also considered. Intended to serve either as core course in Honors Program or as non-laboratory science elective in other programs. Open to all students in Honors Program and to others by permission of instructor or Honors coordinator. (3 hrs. lecture, 1 hr. recitation.) Prerequisite: MA07 or equivalent. Exposure to high school or college science useful. A/4 cr. hrs.

SM66H / MAR116H
LONG ISLAND’S MARINE ENVIRONMENT
Long Island’s marine enviornment is fragile. Honors core course examining what is being done to harm it and what can be done to protect it. Teaches how local, state and federal governments rate severe beach erosion problems on the south and north shores. E/4 cr. hrs.

SM68H / MAR118H
ENVIRONMENTAL ISSUES IN OCEANOGRAPHY
Honors core course introducing biological, geological, chemical and physical dynamics of the sea. Man’s dependence on and utilization of the sea as a resource is highlighted along with how this interaction impacts marine life, habitats and water quality. Political, social and economic factors influencing sea’s utilization given prominence during lecture sessions. Laboratory sessions permit students to experience quantitative side of oceanography by collecting, studying and culturing marine animals and plants; testing sea water for pollutants and essential compounds; computing biomass and population sizes; measuring beach elevations and erosion rates; quantifying water movements and flow volumes; and using oceanographic tools and equipment. E/4 cr. hrs.

HORTICULTURE
HO11† / HOR111
INTRODUCTION TO HORTICULTURE
Introduction to basic skills of horticulture. Techniques of digging and planting trees and shrubs, pruning plant materials, seasonal propagation of woody and non-woody plants, use of horticultural equipments, winterizing and landscape are presented. (2 hrs. lecture, 2 hrs. laboratory.) E/3 cr. hrs.

HO17 / HOR112
THE HORTICULTURE INDUSTRY
Survey course dealing with range of horticulture and its career offerings. Presents laws and regulations pertaining to horticulture along with specific information on starting horticultural business. Methods of presentation include lectures, field trips to various horticultural establishments, guest speakers and student reports. (1 hr. lecture, 3 hrs. field work.) E/3 cr. hrs.

HO21† / HOR113
SOIL TECHNOLOGY
Offers theoretical and practical knowledge of soils in terms of horticultural activity. Topics include soil identification, properties, analysis, fertilizers, sterilization and mixtures. (2 hrs. lecture, 2 hrs. laboratory.) E/3 cr. hrs.

HO25 / HOR114
LAWN CARE AND LANDSCAPE PLANTS
Deals with such lawn maintenance practices as fertilization, disease, weed and insect control, irrigation and lawn renovation. The selection, use and value of commonly used trees and shrubs also studied. Recommended prior courses: HO21 and BY21. E/3 cr. hrs.
HO34 / HOR121  
**PLANT PROPAGATION**
Teaches methods used to reproduce plants through techniques such as seeds, cuttings, grafting and layering. To accomplish this, course provides and relies on hands-on experiences gained through propagation of plants using greenhouse facilities and other available horticultural equipment and growing areas. Requires research paper on propagation of specific plant. (2 hrs. lecture, 2 hrs. laboratory.) E / 3 cr. hrs.

HO35‡ / HOR122  
**GREENHOUSE CROP PRODUCTION**
Commercial practices related to production of major floricultural crops. Consideration given to production requirements, environmental control and management, and cultural techniques affecting production of pot plants and cut flowers. (3 hrs. lecture, 3 hrs. laboratory.) E / 4 cr. hrs.

HO41 / HOR123  
**PLANT PROTECTION**
Common plant pests and current methods of pest control. Topics include life cycles, identification, pesticides and herbicides. Enables students to successfully pass licensing examination administered by Department of Environmental Conservation. Satisfies current classroom requirements for pesticide applicators license. E / 3 cr. hrs.

HO45 / HOR124  
**PLANT IDENTIFICATION**
Provides foundation in plant identification through use of taxonomic keys and study of individual plants. Categories of plants to be identified include annuals, perennials, trees, nursery plants, house plants and weeds. Recommended prior course: BY21. E / 3 cr. hrs.

HO47 / HOR125  
**ANNUALS AND PERENNIALS**
Identification, care and use of annuals and perennials in the landscape. How annuals and perennials can be effectively incorporated into landscape designs to provide color accents and sequences of bloom is emphasized. Overview of production principles for these plants is also presented. E / 3 cr. hrs.

HO50‡ / HOR131  
**HORTICULTURAL CROPS I**
Growing and care of greenhouse, nursery and other specialty crops in applied setting. Emphasizes application of proper cultural practices and development of integrated pest management strategies. Crops are grown and marketed each semester, with each semester producing different crops. (2 hrs. lecture, 2 hrs. laboratory.) E / 3 cr. hrs.

HO51‡ / HOR132  
**HORTICULTURAL CROPS II**
Continuation of cropping practices developed in Horticultural Crops I. Plant materials for spring production are grown. Production geared toward spring sales. (2 hrs. lecture, 2 hrs. laboratory.) E / 3 cr. hrs.

HO52‡ / HOR133  
**FLORAL DESIGN**
Design of floral pieces for special occasions and holidays is the goal of this course. Students learn basic floral design principles, commercially used floral designs, as well as nature of work in a retail florist shop. E / 3 cr. hrs.

HO54‡ / HOR134  
**HORTICULTURAL MANAGEMENT**
Discusses and applies strategies for successful care of plant materials in both indoor and outdoor landscapes. Emphasizes development of maintenance calendars for plant care as well as development of contracts for plant care programs. Focuses on care of all aspects of a given landscape. Appropriate materials, tools and equipment are presented and discussed. E / 3 cr. hrs.

HO55‡ / HOR135  
**LANDSCAPE DESIGN I**
How residential landscapes are planned using proper design principles and drafting techniques. A final project consisting of site analysis, landscape design, and presentation involving an actual residential location is part of this course. (2 hrs. lecture, 2 hrs. laboratory.) Recommended prior courses: HO45, HO47. E / 3 cr. hrs.

HO56‡ / HOR136  
**LANDSCAPE DESIGN II**
Design and construction of landscape features such as decks, walks and retaining walls. Pricing of these features and their incorporation into a landscape design also considered. (2 hrs. lecture, 2 hrs. laboratory.) Recommended prior course: HO55. E / 3 cr. hrs.

HO57‡ / HOR137  
**COMPUTERIZED LANDSCAPE DESIGN**
Presents techniques and skills necessary to develop and present landscape designs using plot plan and photo imaging computer programs. Drafting tables used for development of ideas and design. Students establish pricing for their designs and access plant database libraries using software. E / 3 cr. hrs.

HO58 / HOR138  
**WINES AND VINES**
The eastern end of Long Island is one of the finest and fastest-growing wine producing regions of the world. This special topics course provides overview of art and science of grape growing (viticulture), wine making (enology), wine tasting and wine marketing. Explores basic principles of wine production and fermentation and modern grape growing practices with local experts. Examines principles of sensory evaluation and market supply and demand from consumer’s viewpoint. E / 3 cr. hrs.

HO60-69 / HOR161-169  
**SPECIAL TOPICS IN HORTICULTURE**
Special and current topics in horticulture. Content varies from year to year. E / 3 cr. hrs. each.

‡ Course Fee
Horticulture — Humanities

HO68 / HOR141
THE HOME GARDENER
Special topics course teaching skills basic to successful gardening through a combination of televised programs and in-class instruction. From soils and planting techniques to proper use of plants in the garden you are guided through a series of topics designed to get your home gardening off to a good start. Learn how to grow better plants and add to your horticultural background. Weekly televised topics supplemented by hands-on classroom experience designed to help develop some of these skills and practices.

E / 3 cr. hrs.

HO91 / HOR151
HORTICULTURE INTERNSHIP/COOPERATIVE EDUCATION
Places horticulture students into businesses that provide work experience in student’s area of interest. Depending upon the student, placements are with retail or wholesale greenhouses, florists, garden centers, and landscape design and maintenance businesses. Scheduling of the course attempts to coincide with the industry’s seasonal work schedule. Registration in this course requires that students purchase liability insurance through the college.

E / 3 cr. hrs.

HUMANITIES

Note: See list on page 183 of other subjects which satisfy “Humanities Area” elective requirements.

HM28H / HUM115H
HUMANITIES HONORS CORE COURSE
Honors course offering students opportunity to engage in an interesting and intellectually challenging examination of works inspired by creative imaginations, past and present. Primary purpose of course is to promote knowledge, understanding, love of the creative process, and appreciation of contributions that great writers, artists and philosophers have made to humanity. While some topics might vary from one semester to the next, a core of themes in art, literature and philosophy explored from a global, interdisciplinary perspective remain constant. Prerequisite: admission to Honors Program.

A / 3 cr. hrs.

HM31 / HUM111
THE HOLOCAUST
Literature and film emerge from the most profound of human experiences. In the 20th century, perhaps the most profound of those experiences was the Holocaust. The scope of hatred, deadlines of purpose, and organization of mass murder raise questions which have become more and more disturbing even as we move away from the event. This course examines not only the roots and nature of the Holocaust, but also how internationally known writers and filmmakers have reacted to the event. No prerequisite.

A-E-G / 3 cr. hrs.

HM44 / HUM114
MYTHOLOGY
Analyzes nature of myth and explores dominant themes and archetypes in the myths of various cultures. These myths, studied in context of today’s world, help students develop an increased awareness of the influence of myth on contemporary life. No prerequisite.

A-E-G / 3 cr. hrs.

HM46 / HUM116
SEXISM AND THE HUMANITIES
Investigates philosophical, mythological and religious origins of sexism and develops the way these create a gendered perspective in all societies. Analyzes definitions of sexism and implications of biological differences. Investigates consequences of sexism and efforts to create alternatives through study of women and men in the arts (art, music, language, literature and popular media.) No prerequisite.

A-E-G / 3 cr. hrs.

HM48, 49 / HUM148, 149
WOMEN AND THE ARTS
Interdisciplinary rotating course with varying content from semester to semester.

A / 3 cr. hrs. each

HM50 / HUM120
EFFECTIVE THINKING: PROBLEM SOLVING, REASONING AND COMPREHENSION
Studies mental processes associated with sequential analytical thought. Focus of first part of course is thoughtful introspection. Classroom and text activities entailing verbal reasoning, analogical relationships, predicating patterns, and creative problem solving develop insight and understanding of one’s own thought processes. Second part of course encourages thoughtful involvement with current controversy. Students learn analytical skills necessary for evaluation of controversial ideas presented from various perspectives in contemporary writing using journal articles, newspaper and magazine articles, editorials and essays.

E / 3 cr. hrs.

HM51 / HUM121
DEVELOPING CREATIVE IMAGINATION IN THE ARTS
Theoretical foundation as well as practical experience in approaching problems of communication in literature and visual arts. Studies such areas as form, symbol and narrative meaning within selected historical contexts (e.g., romantic, modern, post-modern) to show how one interprets and gives meaning to creations of artists and writers. Also offers students opportunity to engage intensively in creative problem solving in the arts. Prerequisite: EG11.

E-G / 3 cr. hrs.

HM52 / HUM122
GENDER AND THE LAW
Examines place and image of women within American legal system. Investigates religious influences and philosophical origins of gender differences in the law, with emphasis on issues such as hate crimes, child custody and divorce. No prerequisite.

A / 3 cr. hrs.

‡ Course Fee
HM60 / HUM130
CAREER INTERNSHIPS: EQUITY, CHOICES AND PROFESSIONALISM IN THE WORKPLACE
Offers broad spectrum of work opportunities in private sector as well as governmental agencies, under supervision of selected sponsors. In addition to six hours per week of field work, students attend weekly seminar. In this way, they learn to integrate theory and practice and recognize their own potential for change. They examine legal, public and private forces operating in the professions, such as affirmative action, tokenism and harassment. In the process, students develop organizational skills, ability to analyze social structure of the workplace and, above all, to think creatively about their ultimate career goals. Course can fulfill a humanities, liberal arts and sciences or unrestricted elective. Registration in this course requires that students purchase liability insurance through the college. Prerequisite: EG11 or permission of instructor. Recommended: minimum of 12 credit hours. A / 3 cr. hrs.

HM71-79A / HUM240-246A
HM81-89G / HUM247-253G
HM91-99E / HUM254-259E
INTERDISCIPLINARY STUDIES IN THE HUMANITIES
Special topics in humanities from an interdisciplinary perspective. Content varies from semester to semester. A-E-G / 3 cr. hrs. each

HM77H / HUM120H
THE GREAT ROMANCE
Special topics Honors course offering voyage into beginnings and development of Western Romanticism. Interdisciplinary exploration of the composers, poets, writers and artists whose social, political and artistic views were formed in Europe during the 19th century. Relationship between composer, poet and painter is explored in depth. Among artists studied are Beethoven/Schiller, Schubert/Goethe and Debussy/Monet. Also includes study of poetry of Blake, Wordsworth, Coleridge, Keats, Byron and Shelley, as well as paintings of David, Goya, Delacroix, Gencault, Turner and Constable. Concert and museum attendance is required. Prerequisite: enrollment in Honors Program or permission of Campus Dean or Honors Program office. A / 3 cr. hrs.

HM81H / HUM125H
THE COMIC MUSE
Special topics Honors course providing serious look at comedy and exploring different methods and styles its creators have used to provoke laughter, including farce, satire, parody, comedy of manners and comedy of ideas. Classic and contemporary work ranging from Aristophanes to Monty Python is studied and compared to criticism which analyzes how and why comedy works. G / 4 cr. hrs.

HM83 / HUM249
AFRICAN ART AND CULTURE
Special topics course introducing African art and culture from non-Western perspective. Emphasis on context within which art is produced. Geographic and historical background to African society. Study of role and function of artist in traditional African culture. Topics include belief systems, concepts of duality, myth, ritual, ancestor worship, “living art” and art as function. G / 3 cr. hrs.

HM87H / HUM130H
THE REVENGE THEME
Special topics Honors course demonstrating that human appetite for revenge is a persistent theme of story tellers from antiquity to contemporary popular culture. Examines past and present social, moral and legal attitudes toward revenge by analyzing the revenge theme in drama, fiction, film, folk tale and song, including works which treat the avenger as hero and those which probe the destructive effects of obsessive revenge and the moral dilemmas involved. G / 4 cr. hrs.

HM88H / HUM135H
SHAKESPEARE IN PERFORMANCE
Special topics Honors course comparing and contrasting production of Shakespeare’s plays by different artists to observe how the artistry of diverse directors, actors, designers, etc., can affect the finished product. Students read selected plays, examine what is known about staging in Shakespeare’s time, and view video-tapes of various stage, film and television productions to assess the impact of these artists on the audience’s perception of the original texts. Adaptations of Shakespeare plays into ballet, foreign film, modern drama, musical and opera are also considered. Prerequisite: permission of Campus Dean or Honors Program coordinator. G / 4 cr. hrs.

HM89 / HUM253
FILM, LITERATURE AND THE HOLOCAUST
Special topics course demonstrating that from the British military documentary of Bergen-Belsen’s liberation to Life is Beautiful and The Pianist, film has transmitted the lessons of the Nazi Holocaust. In examining the sixty years since the beginning of World War II, students learn how film presentation of Nazi Holocaust emerged. Studies World War II documentary film footage and examines variations and stages of film and television production used to convey this critical historical event to the public. G / 4 cr. hrs.
HM92H / HUM140H
THE ORIGINS OF MODERNISM
Special topics Honors course which examines early decades of Modernist movement (1890-1920). Provides full and enriched understanding of idea of modernism by looking at works from many genres including painting, architecture, literature, philosophy, music and film. Also includes discussion of political, social, scientific and cultural trends that helped create Modernist ethos. Some key figures studied include artists: Monet, Picasso and Duchamp; writers: Pound, Eliot, Kafka, Mann and Rilke; and musicians: Debussy, Stravinsky and Schoenberg. Some of major movements that comprise Modernism such as Impressionism, Expressionism, Futurism and Surrealism are also addressed.
E / 4 cr. hrs.

HM94H / HUM145H
THE BEAT GENERATION IN NEW YORK AND PARIS
Special topics Honors course dealing with modernist roots and development of a post-modernist aesthetic. Emphasis on individuals who were involved in this transition: the Beats in New York and San Francisco, and the New Wave in Paris. All areas of art, music and literature are examined.
E / 4 cr. hrs.

HUMAN SERVICES
Note: Enrollment in SS22 and above is limited to students officially admitted to the Human Services Program.

SS11 / HUS101
INTRODUCTION TO SOCIAL WELFARE
Survey of historical, social, political and economic influences on social welfare system in United States. Includes examination of prevailing social problems of concern to human service professionals, descriptions of current public welfare programs and their predecessors, and overview of fields of practice in social welfare. Requires 25 hours of volunteer service in local social service agency. Open to all students. Serves as unrestricted, liberal arts or social science elective for students not enrolled in Human Services Program. Offered daytime in fall semester and evening in spring semester. (3 hrs. lecture/discussion.)
A / 3 cr. hrs.

SS12 / HUS103
INTERVIEWING IN SOCIAL WORK PRACTICE
Overview of theory and skills integral to the interview as part of the social work process of helping. Includes discussions and demonstrations of stages of the professional helping interview, impact of interviewer attitudes, cross-cultural interviewing, types of social work interviews and general principles of interviewing. Role-play and classroom experiential learning are significant course components. SS11 must be completed prior to or simultaneously with this course to proceed in the program courses. Offered day and evening only in spring semester. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisite or corequisite: SS11 with grade of C or better.
A / 3 cr. hrs.

SS22-23‡ / HUS201-211
HUMAN SERVICES SEMINAR AND FIELD PRACTICUM I AND II
Involve classroom study and 8 or 12 hours per week, respectively, of off-campus field work. Students are placed in social work agency where they receive intensive supervised experience in working with people. Classroom work emphasizes sharing of field experiences and development of student’s own use of him/herself in role of helping professional. Explores issues relating to professional ethics and responsibilities, process recording, confidentiality, termination, current professional issues and theories of helping. Enrollment requires students to purchase liability insurance through college. Offered online or daytime; fieldwork component completed primarily during day hours. Enrollment requires permission of instructor and completion of preplacement essay. SS22 offered only in fall semester. SS23 offered only in spring semester. (Fall semester: 3 hrs. seminar, 8 hrs. laboratory; spring semester: 3 hrs. seminar, 12 hrs. laboratory.) SS22 prerequisites: admission to Human Services curriculum and grade of C or better in SS11 and SS12, SS22 corequisite: SS30. SS23 prerequisites: grade of C or better in SS22 and SS30.
A / 5 cr. hrs. for SS22, 6 cr. hrs. for SS23

SS30 / HUS205
THEORY AND METHODS OF HELPING IN THE HUMAN SERVICES
Teaches process of assessment and helping as collaborative endeavor focusing on consideration of person’s strengths and ecosystem variables. Particular attention paid to professional ethics and cultural competence in empowerment-based practice. Offered days only in fall semester. (3 hrs. lecture.) Prerequisites: grade of C or better in SS11 and SS12. Corequisite: SS22.
A / 3 cr. hrs.

SS41-44 / HUS141-144
SPECIAL TOPICS IN HUMAN SERVICES
Special and current topics in human services. Content varies from year to year.
A / 3 cr. hrs. each

INFORMATION PROCESSING

IP1‡ / INP101
WORD
Provides lecture and hands-on experience in basic text editing and advanced word processing applications utilizing personal computer and Word software. Prerequisite: keyboarding skill of 25 wpm or permission of instructor.
A-E-G / 4 cr. hrs.

‡ Course Fee
IP20 / INP120  
**COMPUTER APPLICATIONS IN THE MEDICAL OFFICE**  
Introduction to computer software applications and word processing in the medical office. Students learning to become medical assistants develop computer skills using a word processing program and medical administrative software package. They learn to draft and edit documents, input patient information, schedule appointments, handle billing, produce lists and reports, and handle insurance claims both on forms and electronically. Prerequisite: OT25, keyboarding proficiency or permission of department. G / 4 cr. hrs.

IP30‡ / INP130  
**COMPUTER APPLICATIONS IN THE LAW OFFICE**  
Familiarizes students with uses of computer software applications in the law office. Students training to become paralegals learn to draft and edit documents, coordinate computer file and disk management, and access databases for litigation support, time accounting and billing, docket control, calendar management, forms generation and general ledger. A-G / 3 cr. hrs.

**INTERDISCIPLINARY STUDIES**

ID11 / IND101  
**CIVILIZATION: THE HUMAN EXPERIENCE I**  
Development of Western culture from beginning of recorded history through 15th century. Team teaching concentrates on artistic contributions such as literature, painting, sculpture, music and architecture, and experience of politics, religion, science and philosophy. The historical element serves as the synthesizing force in this integrative approach to study of Western culture. Satisfies either humanities or social science course requirements. Prerequisite or corequisite: EG11. A / 3 cr. hrs.

Note: Credit given for ID11 or HS11, but not both.

ID12 / IND102  
**CIVILIZATION: THE HUMAN EXPERIENCE II**  
Development of Western culture from 15th century to the present. Team teaching emphasizes impact of historical change (revolution, nationalism, industrialism, imperialism) upon the humanities (music, art, literature, philosophy.) The historical element serves as the synthesizing force in this integrative approach to study of Western culture. Satisfies either humanities or social science course requirements. Prerequisite or corequisite: EG11. A / 3 cr. hrs.

Note: Credit given for ID12 or HS12, but not both.

IDHS / IND115H  
**HONORS SEMINAR – CIVILIZATION**  
Honors seminar providing further opportunity for discussion of the ideas, and particularly the literature, introduced in the basic course. Students are asked to explore themes important to each unit with further reading and discussion and write three short papers for the seminar. Corequisite for ID11H and ID12H. A / 1 cr. hr.

ID15 / IND120  
**LEADERSHIP DEVELOPMENT STUDIES**  
Provides emerging and existing leaders opportunity to explore concept of leadership and to develop and improve their leadership skills. Integrates reading from the humanities, experiential exercises, films and contemporary readings on leadership. G / 3 cr. hrs.

ID33 / IND123  
**JEWISH THOUGHT AND CULTURE**  
Examines intellectual and cultural achievements of Jewish civilization. In particular, the central philosophical idea of Judaism is examined through writings of key Jewish philosophers such as Maimonides, Rosenzweig and Buber. Cultural achievements in such areas as literature, film, art, and music are discussed both for their intrinsic aesthetic value and for what they reveal about Jewish life. No special background or prerequisite is needed. A / 3 cr. hrs.

ID45H / IND120H  
**MAKING MEANING: AN INTRODUCTION TO REASONING AND RESEARCH**  
Honors course introducing theoretical and practical aspects of reasoning and research employed in science, social science and humanities. In this course research is considered as one step within a process of analytical reasoning where students first develop inferences and formulate tentative explanations, then conduct research to obtain evidence to support or disprove these explanations, and finally integrate evidence and explanation to articulate new and original conclusions. Students examine logic and scientific method, explanations of unconscious motivation in psychology, and use of metaphor to convey meaning in the humanities. In addition to theoretical considerations of reasoning and research employed in these three intellectual disciplines, students prepare individual research papers on topics of their choice which formulate research questions and use evidence logically to support their arguments and conclusions. Required for Eastern Campus students in the Honors Program Diploma Sequence who have previously completed at least two interdisciplinary core courses. E / 4 cr. hrs.

ID60-69 / IND160-169  
**SPECIAL TOPICS IN INTERDISCIPLINARY STUDIES**  
Uses team-teaching approach to the liberal arts. Subject varies from year to year. No prerequisite. A / 3 cr. hrs. each

‡ Course Fee
ID80 / IND140
INTERDISCIPLINARY COOPERATIVE EDUCATION AND INTERNSHIPS
Supervised work experience directly related to a student’s interest or major. For students pursuing a variety of career options, including those related to social sciences, humanities and liberal arts. Through required weekly seminar, students receive instruction on topics related to the employment environment and integrate classroom theory with practical work experience. Satisfies unrestricted or liberal arts credit except for students in career areas which offer a co-op/internship option. Students must complete a minimum total of 120 hours in their supervised work experience. Registration in this course requires that students purchase liability insurance through the college. Prerequisites: completion of minimum of 24 credit hours and minimum grade point average of 2.5, or permission of Cooperative Education coordinator and department or campus Office of Instruction. A-E / 3 cr. hrs.

SE15 / ENV115
ENVIRONMENTAL ISSUES
Focuses on cause and effect relationship of pollution and environmental degradation. Emphasis on current environmental issues threatening well-being of earth’s ecosystems, resources and populations. Special attention given to Long Island’s environmental problems. E / 3 cr. hrs.
Note: Credit given for SE15 or SE28, but not both. Does not fulfill a laboratory science requirement.

SE28 / ENV128
CONTEMPORARY ENVIRONMENTAL PROBLEMS
Identifies and examines current environmental problems from viewpoint of environmental, social, political and economic consequences. Solutions are formulated and their impacts examined. A / 3 cr. hrs.
Note: Credit given for SE28 or SE15, but not both. Does not fulfill a laboratory science requirement.

INTERIOR DESIGN
IN13† / INT101
INTERIOR DESIGN I
Introduction to aesthetic, cultural and functional considerations that shape the interior environment. Focus of lecture component is history of furniture, architecture and the decorative arts from ancient to Renaissance in both Western and Eastern cultures. Principles of design, color and textiles are explored as they relate to interior space. Studio sessions introduce design tools necessary for developing floor plans, scale drawings and elevations. Several major residential design projects are undertaken in which client and environmental considerations are addressed. (1 hr. lecture, 4 hrs. studio each week.) No prerequisite. (offered full semester only) E / 3 cr. hrs.

IN14‡ / INT103
INTERIOR DESIGN II
Continuation of Interior Design I in which more complex design problems are approached and drafting skills refined. Illustrated lectures give detailed history of our design heritage as we trace the development of English, American and modern architecture, furniture and aesthetic movements of the 20th century. Through studio sessions, a series of residential spaces are evaluated, client needs assessed, and trade sources explored so as to further develop the design process from an abstract to designed solution. Presentation, rendering techniques and oral skills are developed. An emphasis is placed on professionalism and oral communication skills. (1 hr. lecture, 4 hrs. studio each week.) Prerequisite: IN13 or permission of instructor. (offered spring semester only) E / 3 cr. hrs.

IN15‡ / INT201
INTERIOR DESIGN III
Introduction to conceptual and practical methods of designing non-residential interior spaces (contract design work.) Emphasis on interplay of programming, bubble schematics, flow charts, color, texture and lighting to emphasize the power of design in public spaces. Thumbnail sketches and color studies are supplemented by floor plans, perspectives and isometric drawings. Creative presentation techniques and refined oral skills emphasized. (6 hrs. studio each week.) Prerequisite: IN14 or permission of instructor. (offered full semester only) E / 3 cr. hrs.

IN16 / INT235
DESIGN SEMINAR
Capstone course which reviews information for the National Council of Interior Design Qualification Examination emphasizing NYS building codes and requirements of barrier-free design. Portfolio development is required. (2 hrs. lecture each week.) Prerequisite: IN15 or permission of instructor. E / 2 cr. hrs.

IN51‡ / INT1205
INTERIOR DESIGN GRAPHICS
Foundation course in process of visual communication for interior designers. One interior space of approximately 2,000 square feet is designed based on program and space analysis, building codes, and architectural and structural constraints. Two-dimensional working drawings such as floor, demolition, construction, furniture and lighting plans, and elevations are the graphic means for problem-solving. Three-dimensional drawings, axonometric and perspective, complete the design process. (6 hrs. studio each week.) Prerequisite: IN13. (offered fall semester only) E / 3 cr. hrs.
IN52‡ / INT220
MATERIALS AND CONSTRUCTION METHODS FOR INTERIOR DESIGNERS
Synthesizing of product knowledge and finishes. Proper application and details stressed. Students develop a complete set of schedules for windows, doors, wall finishes, plumbing fixtures and lighting. Modelmaking, code requirements, barrier-free design, estimating and cost analysis are integrated into the series of drawings. (2 hrs. lecture, 4 hrs. studio per week.) Prerequisite: IN51 or permission of instructor. (offered spring semester only) E / 4 cr. hrs.

IN53 / INT225
AUTOCAD FOR INTERIOR DESIGNERS
Introduction to AutoCAD. Develops skills in basic drafting and editing commands, adding text and dimensions to drawings, plotting techniques, floor plans, elevations and symbol libraries. Also explores use of layers, blocks and attributes. Corequisite: IN14, IN51. (offered spring semester only) E / 3 cr. hrs.

IN54 / INT208
PROFESSIONAL PRACTICE FOR INTERIOR DESIGNERS
Introductory course which examines practical, financial, legal and business considerations of the practicing interior designer. Case studies provide the basis for formulation of contracts, cost and materials estimating, pricing, project development and letters of agreement. Professional ethics and interpersonal communication skills as they relate to the field and to client relationships are emphasized. Students required to participate in field trips that may exceed scheduled classroom hours. Prerequisite: IN14 or permission of instructor. (offered spring semester only) E / 3 cr. hrs.

IN79 / INT230
COOPERATIVE EDUCATION AND INTERNSHIPS IN INTERIOR DESIGN
Supervised on-the-job training directly related to field of interior design. Integrates classroom theory with practical work experience. A weekly one-hour seminar held on campus and a minimum of 120 hours working in interior design field are required. Registration in this course requires that students purchase liability insurance through the college. Prerequisites: IN15, IN51, IN54 and a minimum overall cumulative grade point average of 2.80. (BU80 or ID80 may be substituted for IN79 with permission of department.) (offered spring semester only) E / 3 cr. hrs.

ITALIAN
(#COURSE FEE FOR AMMERMAN AND GRANT CAMPUSES ONLY)

IT11-12‡ / ITL101-102
ELEMENTARY ITALIAN I and II
Introductory sequential courses in Italian which develop four language skills of listening, speaking, reading and writing with emphasis on communicative competence. Introduce basic concepts of Italian culture. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) IT11 is for students with little or no knowledge of Italian; it is not appropriate for native/fluent speakers of Italian—IT51 is recommended or see advisor. Prerequisite for IT12: IT11 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”)
A-E-G / 6 cr. hrs.

Note: Credit given for 1) either or both courses in the IT11-12 sequence or 2) IT13, but not for both options.

IT13‡ / ITL113
INTENSIVE ELEMENTARY ITALIAN I AND II
Accelerated course covering elementary Italian sequence (IT11 and IT12) in one semester. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) No prerequisite.
A-E-G / 6 cr. hrs.

Notes: 1) This course is not appropriate for native/fluent speakers of Italian—IT51 recommended or see advisor. 2) May not be taken for credit after any other course in Italian.

IT51‡ / ITL1201
INTERMEDIATE ITALIAN I
Continues study of structures of Italian with more intensive oral and writing practice. Introduces cultural and literary selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: IT12 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”)
A-G / 3 cr. hrs.

IT52‡ / ITL1202
INTERMEDIATE ITALIAN II
Structured review focusing on oral and written communication. Introduces social, political and cultural aspects of Italian world through analysis of wide range of authentic literary and cultural selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: IT51 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”)
A-G / 3 cr. hrs.

‡ Course Fee
ITALIAN CONVERSATION AND COMPOSITION
Advanced-level Italian course focusing on development of oral and written communication skills within wide range of contexts and situations. Reviews specific grammatical structures, broadens general vocabulary and enhances correct pronunciation techniques to strengthen accuracy and precision in oral and written Italian. Prerequisite: IT52 or fulfillment of equivalent high school placement requirements. (See guidelines chart under “Foreign Languages.”)  
A-G / 3 cr. hrs.

CULTURE AND CIVILIZATION OF ITALY
Overview of culture and civilization of Italy through examination of literature, history and art forms, including film, music and mass media. Given in Italian. Prerequisite: IT52 or fulfillment of equivalent high school placement requirements. (See guidelines chart under “Foreign Languages.”)  
A-G / 3 cr. hrs.

SURVEY OF MODERN ITALIAN LITERATURE
Study of representative works of 20th and 21st century Italian literature. Selections from prose, poetry and theatre are read, analyzed and discussed. Given in Italian. Prerequisite: IT52 or fulfillment of equivalent high school placement requirements. (See guidelines chart under “Foreign Languages.”)  
A-G / 3 cr. hrs.

NOTE: Journalism courses satisfy English elective requirements.

INTRODUCTION TO JOURNALISM
Emphasis on various kinds of journalistic writing. Additional areas of concentration include graphics and design, photo journalism and broadcast journalism. Prerequisite or corequisite: EG 11.  
A-E-G / 3 cr. hrs.

INTERMEDIATE NEWS AND FEATURE WRITING
In-depth study of reporting news and writing features, with emphasis on developing sources of news, such as governmental bodies, police stations, courts and boards of education. Emphasis on covering events in municipalities in and around Suffolk County. Prerequisite: JN25 or permission of instructor. (offered spring semester only)  
A-E-G / 3 cr. hrs.

MAGAZINE WRITING AND PUBLIC RELATIONS
Prepares students for writing magazine articles and presents introduction to study of public relations. Students learn to write query letters. Includes material on interviewing and developing sources to prepare longer stories for the magazine market. Students learn how to prepare and market a story for publication. Also includes study of public relations. Students write press releases and work on developing publicity campaigns. Prerequisite: JN25 or permission of instructor. (offered fall semester only)  
A / 3 cr. hrs.

INVESTIGATIVE REPORTING
In-depth reporting of news stories, with emphasis on news investigation. Stories include investigation of workings of local political issues, police matters, courts, boards of education, and issues regarding the college. Investigative stories are written and prepared for the course with an eye to publication in the student newspaper or one of the local papers. Prerequisite: JN25 or permission of instructor. (offered spring semester only)  
A / 3 cr. hrs.

CONTEMPORARY NONFICTION JOURNALISM
Current books of nonfiction are read and discussed. Includes selections from books of “New Journalism” as well as nonfiction novels of a narrative and documentary type by such writers as Truman Capote, Joan Didion, Hunter Thompson, Betty Friedan, Jimmy Breslin, Tom Wolfe, Norman Mailer, Gay Talese and Theodore White. Prerequisite: EG 11.  
A / 3 cr. hrs.

JOURNALISM PRACTICUM
Offers three credits for students who work 30 contact hours per semester on the student newspaper. Includes working on all phases of the newspaper: editing, reporting, feature writing, photography, layout, advertising, editorial writing and sports writing. Students meet weekly with instructor for evaluation of their work. Registration priority given to students working on student newspaper. Registration in this course requires that students purchase liability insurance through the college. Prerequisites: JN25 and permission of instructor. Course restricted to journalism majors or newspaper staff members.  
A-E-G / 3 cr. hrs.

WRITING REVIEWS AND CRITICISM
Develops skills in writing critical articles. Techniques in writing reviews of literature, music, art, drama, film and other fields are analyzed. Current reviews from various media and scholarly journals are examined. Additionally, critical skills in news analysis and interpretive reporting are stressed. Prerequisite: EG 11.  
A / 3 cr. hrs.
LIBRARY RESEARCH
Note: Credit given for LR11 or LR15, but not both.
LR11 / LIB101
RESEARCH ESSENTIALS: THE LIBRARY AND THE INTERNET
Information literacy course that provides students with essential skills for finding and using information from traditional and Internet sources. Through demonstrations and hands-on activities, students gain techniques for defining research topics, creating search strategies, gathering relevant sources, and critically evaluating information. A-E-G / 1.5 cr. hrs.
Note: Can be used to fulfill Freshman Seminar requirement.
LR15 / LIB103
LIBRARY RESEARCH METHODS
Enhances basic concepts and skills needed to complete college-level research. Prepares individuals to make effective use of information sources and information systems. Instruction focuses on developing systematic method of research and gaining confidence in techniques of locating information, including electronic resources. A / 3 cr. hrs.
Note: Can be used to fulfill Freshman Seminar requirement.

MARINE BIOLOGY AND OCEANOGRAPHY
MB20‡ / MAR111
MARINE BIOLOGY
Populations of animals and plants inhabiting Long Island’s intertidal and nearshore environments are studied. Special attention given to the biology and natural history of these organisms. Community relationships and effects of abiotic environment on coastal populations also emphasized. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent.
A-E / 4 cr. hrs.
MB25‡ / MAR115
FIELD WORK IN MARINE BIOLOGY
Biological sampling and field techniques in collection and preservation of marine organisms form backbone of this course. Consideration given to classification, morphology and natural history of marine flora and fauna of the study area. (Study areas vary from year to year.) May be repeated for credit when study areas vary. Prerequisite: MA07 or equivalent. E / 3 cr. hrs.
OC15‡ / MAR105
INTRODUCTION TO OCEANOGRAPHY
Life in the oceans is studied against a background of its interaction with the physical, chemical and geological environment. Lectures, laboratory and field trips explore fundamental properties which underlie oceanic phenomena. For liberal arts and general studies students. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA07 or equivalent.
A-E-G / 4 cr. hrs.

SM66H / MAR116H
LONG ISLAND’S MARINE ENVIRONMENT
Long Island’s marine environment is fragile. Honors core course examining what is being done to harm it and what can be done to protect it. Teaches how local, state and federal governments rate severe beach erosion problems on the south and north shores. E / 4 cr. hrs.

SM68H / MAR118H
ENVIRONMENTAL ISSUES IN OCEANOGRAPHY
Honors core course introducing biological, geological, chemical and physical dynamics of the sea. Man’s dependence on and utilization of the sea as a resource is highlighted along with how this interaction impacts marine life, habitats and water quality. Political, social and economic factors influencing sea’s utilization given prominence during lecture sessions. Laboratory sessions permit students to experience quantitative side of oceanography by collecting, studying and culturing marine animals and plants; testing sea water for pollutants and essential compounds; computing biomass and population sizes; measuring beach elevations and erosion rates; quantifying water movements and flow volumes; and using oceanographic tools and equipment. E / 4 cr. hrs.

MATHEMATICS
Course Selection – A-E-G
1. Placement
Incoming students are initially placed into mathematics courses based on their mathematics background and SCCC placement test scores. It is recommended that students take a mathematics course that is challenging and not retake a course they have completed with a C grade or better in high school within the past two years. Those students who have not studied mathematics within the past two years should discuss their level of mathematics competency with the counseling center or department of mathematics.

It is expected that students who take MA01 will enroll in MA07 in order to complete the development sequence. Following the completion of MA07, refer to the “Guide to Mathematics Course Selection” and course descriptions listed below.

‡ Course Fee
II. The following diagram is presented to assist students in selecting mathematics courses based on their mathematics placement:

Guide to Mathematics Course Selection

MA01

MA06

MA07

MA18

MA23

MA27

MA17

MA28

MA21

MA24

MA36

MA17

MA28

MA22

MA61

MA70

MA62

MA64

MA87

MA88

MA89

MA92

MA90

MA91

III. Prerequisite Waiver Forms

These forms are student initiated and are completed by the campus Office of Instruction, the mathematics department or (on the Eastern Campus) the counseling center. This should be done prior to registering for courses. Prerequisite waivers must be obtained for students who have not completed the prerequisite course at SCCC.

IV. Tutoring

Mathematics tutoring services are provided through the Math Learning Center (Ammerman Campus, Riverhead 235) and Academic Skills Centers (Eastern Campus, Orient 213 and Western Campus, Sagtikos 100.)

MALA / MAL050

MATHEMATICS LABORATORY

Provides opportunity to receive recognition for MA01 and/or MA07 in computer-enhanced non-traditional setting. Through combination of computer-based lessons, collaborative learning and group instruction, students progress at own pace to learn required materials for course in which they are enrolled. Students beginning with MA01 can seamlessly move into MA07 and receive recognition for highest course completed during the semester. If objectives of course are not completed within the semester, students may register for MALA the following semester and continue from the level previously reached. As an alternative method of studying MA01 and MA07, MALA does not fulfill requirements for any degree or certificate.

A-E-G / 4 hrs.

MA01 / MAT001

DEVELOPMENTAL MATHEMATICS SKILLS

For the student who needs to learn or strengthen basic arithmetic skills, introductory plane geometry concepts, and to prepare for entry into beginning algebra. Grading in this course determined by mastery of completed topics. Graded on an S-R-U-W basis. Does not fulfill requirements for any degree or certificate. Students taking this course must also take MA07 before enrolling in a college-level mathematics course.

A-E-G / 3 hrs.

MA06 / MAT006

PRE-ALGEBRA AND ALGEBRA I

Review of arithmetic skills and introduction to the basic concepts of algebra. Topics include arithmetic skills, geometry, language of algebra, order of operations, signed numbers, linear equations, two equations in two unknowns, polynomials, solving quadratic equations by factoring, and selected verbal problems. Graded on an SA-SB-SC-R-U-W basis. Does not fulfill requirements for any degree or certificate. Serves as a prerequisite for any course for which MA07 is a prerequisite.

A-E-G / 5 hrs.

MA07 / MAT007

ALGEBRA I

Introduction to basic concepts of algebra. Equivalent to first-year high school algebra. Topics include language of algebra, order of operations, signed numbers, linear equations, simultaneous equations, factoring, solving quadratic equations by factoring, application of algebra to selected verbal problems. Graded on an SA-SB-SC-R-U-W basis. Does not fulfill requirements for any degree or certificate.

A-E-G / 4 hrs.

MA17‡ / MAT107

COMPUTER MATHEMATICS CONCEPTS

For students pursuing a Computer Technology degree program. Stresses problem-solving and computer mathematics concepts. Taught with a computer lab component. Topics include number systems, computer arithmetic, sets, logic, functions, vectors, matrices, sequence, selection and repetition, and problem solving. Prerequisite: MA07 or equivalent. MA17 and CS12 are corequisites for students in the Information Technology curriculum.

A-E-G / 4 cr. hrs.

Note: Credit given for MA17 or MA21, but not both.

‡ Course Fee
MA18 / MAT108
MATHMATICS AND THE LAW
For students pursuing Paralegal Studies degree program. Topics include statistics, logic, consumer mathematics, functions, linear systems of equations, graphing, geometry and linear programming. Topics applied to legal problems such as introduction of statistical evidence, computation of damage awards, child support, preparation of mortgage and closing documents, completion of bankruptcy petitions, distribution of decedent's estate, calculation of taxes during probate, preparation of graphs for prospectuses, valuation of professional practice, computation of child support and maximization of law firm's profit. Prerequisite: MA07 or equivalent.  A-E-G / 3 cr. hrs.
Note: Credit given for MA18 or MA22, but not both.

MA21 / MAT101
SURVEY OF MATHEMATICAL REASONING
Liberal arts mathematics course which provides insight into nature of mathematical reasoning by examining basic structures such as logic, sets, real numbers, number systems and inductive reasoning. Prerequisite: MA07 or equivalent.
A-E-G / 3 cr. hrs.
Note: Credit given for MA21 or MA17, but not both.

MA22 / MAT102
SURVEY OF CONTEMPORARY MATHEMATICAL TOPICS
Liberal arts mathematics course providing an appreciation of contemporary mathematics by examining nontraditional topics such as probability and statistics; theories of games, groups and numbers; and finite differences. Prerequisite: MA07 or equivalent.
A-E-G / 3 cr. hrs.
Note: Credit given for MA22 or MA18, but not both.

MA23 / MAT103
STATISTICS I
For students interested in social sciences, health sciences, business and industry. Theory of probability is used to develop methods of statistical inference, confidence intervals and decision theory. Topics include sample spaces, statistical models, binomial and normal distribution, t-distribution and chi-square distribution. Prerequisite: MA07 or equivalent.
A-E-G / 3 cr. hrs.

MA24 / MAT104
STATISTICS II
For students interested in social sciences, health sciences, business and industry. Expands on statistical concepts and methods treated in MA23 and provides opportunity to apply statistical methods to an actual survey. Teaches how to select a sample, interview respondents and analyze data. Additional topics include non-parametric statistics, correlation and regression, analysis of variance and decision making. Prerequisite: C or better in MA23.
A-E-G / 3 cr. hrs.

MA27 / MAT111
ALGEBRA II
Continuation of study of basic concepts of algebra. Topics include brief review of elementary algebra, solutions of second-degree equations, radicals, complex numbers, rational expressions, polynomial expressions, rational exponents and roots, systems of equations and inequalities. Prerequisite: MA07 or equivalent.
A-E-G / 3 cr. hrs.

MA28H / MAT115H
MATHEMATICS: AN HISTORICAL PERSPECTIVE
Honors course showing how mathematical methods and thinking have changed through centuries and are evolving still. Emphasis placed on people and events that are understandable to students with ordinary mathematics backgrounds. Covers material from ancient to present times and attempts to trace impact that mathematics has had on modern culture. (Offered fall semester at Grant Campus, spring semester at Ammerman campus.) A-G / 4 cr. hrs.

MA36 / MAT121
FINITE MATHEMATICS
For students interested in business, social and managerial sciences. Introduction to basic concepts and techniques of those areas in mathematics which deal with finite sets. Topics include linear programming, probability theory, matrix manipulations, Markov Chains, game theory and optimization problems. Prerequisite: MA27 or equivalent.
A-E-G / 3 cr. hrs.

MA41 / MAT112
TECHNICAL MATHEMATICS I
Restricted to students in certain technical curricula. Includes review of elementary algebra, scientific notation, use of calculator, linear functions, trigonometric functions, system of linear equations, solution of oblique triangles and vector addition, properties of exponents and radicals. Prerequisite: MA07 or equivalent.
A-G / 4 cr. hrs.

MA42 / MAT113
TECHNICAL MATHEMATICS II
Restricted to students in certain technical curricula. Covers use of calculator, complex numbers, theory and use of logarithms, basic theory of equations, trigonometric identities, inequalities and basic analytical geometry. Prerequisite: C or better in MA41.
A / 4 cr. hrs.

MA50-53A / MAT151-153A, 251-253A
MA54-56G / MAT154-156G, 254-256G
MA57-59E / MAT157-159E, 257-259E
SPECIAL TOPICS IN MATHEMATICS
Special and current topics in mathematics. Content varies from year to year. A-E-G / 3-4 cr. hrs. each

‡ Course Fee
MA61 / MAT124
FUNDAMENTALS OF PRECALCULUS I
Concept of function introduced early and used throughout course. Topics include zeros and graphs of polynomial functions, graphs and asymptotes of rational functions, exponential and logarithmic functions, systemsth of linear equations, partial fractions and the conics. Prerequisite: C or better in MA27 or successful completion of three years of college preparatory mathematics.
A-E-G / 4 cr. hrs.
Note: Credit given for MA61 or MA70, but not both. Successful completion of both MA61 and MA62 is equivalent to MA70 completion.

MA62 / MAT125
FUNDAMENTALS OF PRECALCULUS II
Concept of function used throughout course. Topics include trigonometric functions and inverses, identities and equations, laws of sines and cosines, De Moivre's Theorem and complex numbers, polar and parametric equations, systems of linear equations and inequalities, partial fractions and the conics. Prerequisite: MA61 (C or better) or equivalent.
A-E-G / 4 cr. hrs.
Note: Credit given for MA62 or MA70, but not both. Successful completion of both MA61 and MA62 is equivalent to MA70 completion.

MA64 / MAT131
CALCULUS FOR NON-SCIENCE MAJORS
For students of accounting, business, economics, social sciences and general studies. Involves study of functions, derivatives and integrals. Strong emphasis placed on application of these concepts to problems from fields of business, social sciences and some life sciences. Prerequisite: MA61 or equivalent.
A-E-G / 4 cr. hrs.
Note: Credit given for MA64 or MA87, but not both.

MA70 / MAT126
PRECALCULUS MATHEMATICS
For students with strong mathematics backgrounds planning to enter calculus sequence. Topics include polynomial, rational, trigonometric, exponential and logarithmic functions; conic sections; translation of axes; linear and nonlinear systems; trigonometric laws and formulas, and applications; De Moivre's Theorem and complex numbers; polar and parametric equations; and partial fractions. Prerequisite: successful completion of three years of college preparatory mathematics (80 or better on the Sequential III or Math B Regents).
A-E-G / 4 cr. hrs.
Note: Credit given for MA61 or MA70, but not both. Credit given for MA62 or MA70, but not both. Successful completion of both MA61 and MA62 is equivalent to MA70 completion.

MA87‡ / MAT141
CALCULUS WITH ANALYTIC GEOMETRY I
Study of limits, continuity, theory and application of the derivative; related rate problems; maxima and minima; definite and indefinite integrals; areas under curves and volumes of revolution. (5 contact hrs.) Prerequisite: C or better in MA62 or MA70.
A-E-G / 4 cr. hrs.
Note: Credit given for MA87 or MA64, but not both.

MA88‡ / MAT142
CALCULUS WITH ANALYTIC GEOMETRY II
Study of logarithmic, exponential and trigonometric functions; techniques of integration; trapezoidal rule and Simpson's rule; polar coordinates; indeterminate forms; L'Hopital's rule; improper integrals; Taylor's formula and infinite series. (5 contact hrs.) Prerequisite: C or better in MA87.
A-E-G / 4 cr. hrs.

MA90 / MAT204
DIFFERENTIAL EQUATIONS
Introduction to differential equations and their applications. Topics include separable equations, autonomous equations, direction fields, mathematical modeling, homogeneous and nonhomogeneous linear equations, linear systems of differential equations, power series solution of differential equations, non-linear systems of equations and numerical methods. Prerequisite: C or better in MA88.
A-E-G / 4 cr. hrs.

MA92 / MAT205
DISCRETE MATHEMATICS
Of special interest to students majoring in computer science and engineering as well as mathematics. Topics chosen from mathematical logic, set theory—an introduction to combinatorics, Boolean algebras with applications to circuit minimization, graph theory, differential equations, and algebraic structures with applications to coding theory. Prerequisite: C or better in MA87.
A-G / 4 cr. hrs.

MA93 / MAT206
LINEAR ALGEBRA
Study of vector spaces, subspaces, linear independence, bases, dimension, linear transformations, matrices, diagonalization processes, determinants, Euclidean spaces and orthonormal bases. Prerequisite: C or better in MA88.
A-G / 3 cr. hrs.
MEDICAL ASSISTING

MD11 / MED111
MEDICAL TERMINOLOGY
Comprehensive knowledge of medical terminology increases students’ knowledge of anatomy, physiology and disease. The principal method of building medical vocabulary is to identify prefixes, suffixes and roots. Students learn to recognize Greek and Latin derivatives. (3 hrs. lecture.) G / 3 cr. hrs.

MUSIC

MU11 / MUS101
UNDERSTANDING MUSIC
Introductory course which develops ability to listen to and understand music. Recorded and visual materials utilized in studying specific styles, forms and idioms, from Baroque to early 20th century. Required listening and required concerts. No prerequisite.
A-E-G / 3 cr. hrs.

MU16 / MUS106
MUSIC HISTORY I
Examination of styles and genres of Western music from antiquity through 1750. Emphasis on style analysis, contributions of major composers, and relationship to social and cultural background. Required listening and score analysis. No prerequisite.
A-G / 3 cr. hrs.

MU17 / MUS107
MUSIC HISTORY II
Examination of styles and genres of Western music from 1750 to the present. Emphasis on style analysis, contributions of major composers, and relationship to social and cultural background. Required listening and score analysis. No prerequisite.
A-G / 3 cr. hrs.

MU23 / MUS113
THE AMERICAN MUSICAL
Covers broad range of American musical theater forms including operetta, musical drama and musical comedy. Also pursues study of melody, orchestra, chorus, and development of musical composition in conjunction with drama. No prerequisite.
A-G / 3 cr. hrs.

MU24 / MUS114
OPERA
Covers various periods of opera, including Baroque, Classical, Romantic and Contemporary. Portrays composers within related historical settings. Topics include operatic musical form in relation to its dramatic content, orchestration, harmonies, use of voice, choir, corps de ballet, and roles of singers, musical director, choreographer and cast. No prerequisite.
A-G / 3 cr. hrs.

MU26 / MUS126
AURAL SKILLS I
Introduction to basic skills of eartraining and sightsinging necessary for competent musicianship. Students learn to sing at sight and transcribe by ear all intervals, simple rhythms, and modal and diatonic melodies in simple and compound meters and in any mode or key. Harmonic dictation covers all diatonic harmonies in a key and their inversions in four voices, as well as introduction to non-harmonic tones in a chorale context. Sight-singing component conducted using the moveable “DO” system of solfège. Parallels theoretical concepts covered in MU41: Music Theory I. Corequisites: MU41 and MU87.
A / 3 cr. hrs.

MU27 / MUS127
AURAL SKILLS II
Continuation of eartraining and sightsinging skills developed in MU26: Aural Skills I. Students proceed with more diverse and challenging exercises in rhythm and meter, melody and four-voice harmony, including additional non-harmonic tones, dominant seventh chord and seventh chords on all diatonic scale degrees of a key and their inversions. Basic chromatic alterations of tones within a key—those associated with secondary dominants—are covered, and modulation to closely related keys is introduced. Chromatic solfège used in sightsinging. Parallels theoretical concepts covered in MU42: Music Theory II. Prerequisites: MU26, MU41, MU87. Corequisites: MU42 and MU88.
A / 3 cr. hrs.

MU28 / MUS228
AURAL SKILLS III
Continuation of eartraining and sightsinging skills developed in MU27: Aural Skills II, moving on to more complex rhythms, chromatic melodies and modulations to more distantly-related keys. Chromatic and borrowed harmonies in progressions are introduced, such as chords of the Neapolitan sixth, augmented sixth, and altered dominants, mediants and submediants. Parallels theoretical concepts covered in MU43: Music Theory III. Prerequisites: MU27, MU42, MU88. Corequisite: MU43.
A / 3 cr. hrs.

MU29 / MUS229
AURAL SKILLS IV
Continuation of eartraining and sightsinging skills developed in MU28: Aural Skills III, including complex rhythms, advanced chromatic melodies, ninth, eleventh and thirteenth chords, and non-triad harmonies. Emphasis placed on part-singing of vocal, chamber and orchestral works in open score. Aural skills sequence concludes with sightsinging and dictation of atonal melodies, and with atonal harmonies utilizing pitch-sets. Parallels theoretical concepts covered in MU44: Music Theory IV, as well as MU45: Music Theory V. Prerequisites: MU28 and MU43. Corequisite: MU44.
A / 3 cr. hrs.

‡ Course Fee
**MU40 / MUS109**
**MUSIC FUNDAMENTALS**
For students with little or no previous theoretical music training. Provides understanding of basic music reading, notation, scales, keys, rhythm and meter. Recommended for non-music major who would like to learn rudiments of music theory. Cannot be taken by music majors as a music elective. No prerequisite.  
A-G / 3 cr. hrs.

**MU41 / MUS121**
**MUSIC THEORY I (DIATONICISM)**
For students seeking a thorough understanding of music theory. Emphasis on all scales, meters, intervals, chords, and their inversion. Study of species counterpoint. Introduction to four-part writing with figured bass. Prerequisite: MU40 or equivalent knowledge determined by placement exam. Corequisites: MU26 and MU87.  
A / 3 cr. hrs.

**MU42 / MUS122**
**MUSIC THEORY II (DIATONICISM)**
In-depth study of four-part writing utilizing seventh chords, secondary dominants, leading tone dominants and their resolutions. Also includes modulation, non-harmonic tones and cadences. Creation of a four-part musical phrase from a given melody or bass line. Analysis of examples from repertoire. Prerequisites: MU26, MU41, MU87. Corequisites: MU27 and MU88.  
A / 3 cr. hrs.

**MU43 / MUS242**
**MUSIC THEORY III**
Introduction to 16th century polyphony and 18th century counterpoint to include the motet, invention and fugue. In-depth study of modulation, secondary dominants and chromatic harmony, including borrowed chords, 9th, 11th and 13th chords, the Neapolitan 6th and augmented 6th chords. Analysis of examples from repertoire. Prerequisites: MU26, MU42, MU88. Corequisite: MU28.  
A / 3 cr. hrs.

**MU44 / MUS244**
**MUSIC THEORY IV**
Continuation of chromatic harmony from Theory III (MU43). Analysis of strophic, binary, ternary, compound ternary, fugal, sonata allegro, rondo forms and variation techniques. Analysis of examples from repertoire. Prerequisites: MU28 and MU43. Corequisite: MU29.  
A / 3 cr. hrs.

**MU45 / MUS245**
**MUSIC THEORY V: POST-TONAL THEORY AND ANALYSIS**
Begins with chromatic harmony of Wagner and the progressive dissolution of tonality at end of the 19th century, and continues with analysis of the musical languages of such significant composers as Mahler, Debussy, Stravinsky, Schoenberg, Webern and others. Especially focuses on basic atonal set theory and 12-tone technique. Prerequisite: MU43 or permission of instructor.  
A / 3 cr. hrs.

**MU51 / MUS116**
**HISTORY OF JAZZ**
Surveys evolution of jazz from its African and West Indian origins to major contemporary styles. Emphasis on harmonic, melodic and rhythmic development; techniques of improvisation and style analysis of major performers. No prerequisite.  
A-E-G / 3 cr. hrs.

**MU52 / MUS231**
**JAZZ IMPROVISATION/HARMONY**
Focuses on improvisational techniques and jazz harmony. Emphasis placed on melody and harmony relationships to instruments and vocal performance. Major techniques include pacing, rhythmic density, melodic and rhythmic embellishment, chord/melody analysis, tensions and chord scales. Prerequisite: MU42 or permission of instructor.  
A / 3 cr. hrs.

**MU53 / MUS133**
**FRET-BORD THEORY/HARMONY**
Enhances basic skills in entry-level guitar students. Emphasis on melodic and chordal sight-reading, rhythms, position playing, modes and music theory as applied to guitar. Prerequisite for participation in Guitar Ensemble (MU99).  
A / 3 cr. hrs.

**MU54 / MUS134**
**HISTORY OF ROCK AND ROLL MUSIC**
Provides a broader experience in listening, analyzing and describing specific nomenclature of rock music. Covers aesthetic, political and social impact of rock music from its origins in ‘Rhythm and Blues’ to the rise of Elvis Presley and rockabilly, Chuck Berry and teenage rock, Bob Dylan and protest rock, British rock, psychedelic rock, art rock, soul and country rock. No prerequisite.  
A-E / 3 cr. hrs.

**MU55 / MUS141**
**TWENTIETH CENTURY MUSIC**
Survey of modern art music from late 19th century to present. Emphasis on style analysis, contributions of major composers, and relationship to social and cultural background. Does not cover jazz or popular music. Required listening and score analysis. Prerequisite: MU11 or equivalent.  
A-G / 3 cr. hrs.

**MU56‡ / MUS142**
**SYNTHESIS**
Basic concepts in synthesis of music are explored. Emphasis on generation and treatment of sound, as well as use of sound modules, digital keyboards, computers and appropriate sound manipulating software. Students develop compositional projects utilizing both musical and sound effect materials. Prerequisite: MU40 or permission of instructor.  
G / 3 cr. hrs.

**MU57‡ / MUS152**
**MIDI (Musical Instrument Digital Interface)**
Students become familiar with musical potential of MIDI. Emphasis on principles of interconnectivity between various MIDI devices including synthesizers, recorders and digital processors. Additional topics include instruction in use of computerized sequencers. Prerequisite: MU40. Corequisite: MU87 (or equivalent.)  
G / 3 cr. hrs.

‡ Course Fee
MU58‡ / MUS153
RECORDING TECHNOLOGY I
Introduction to basic techniques of sound and recording equipment and techniques. Students become familiar with principles of audio physics as well as with studio equipment, layout and practices. Recording projects using analog recording systems required.  
G / 3 cr. hrs.

MU59‡ / MUS154
RECORDING TECHNOLOGY II
Continuation of basics of studio recording begun in Recording Technology I. Attention paid to microphone design and placement, console operation and effects processing. Recording projects with live musicians simulate the recording studio. Prerequisite: MU58.  
G / 3 cr. hrs.

MU61-69A / MUS240-243A
MU76-79G / MUS244-246G
MU81-85E / MUS247-249E
SPECIAL TOPICS IN MUSIC
Special topics in field of music which vary from year to year. Content involves material not covered in regular music course offerings.  
A-E-G / 1-3 cr. hrs. each

MU62 / MUS168
GOSPEL CHOIR
Special topics course covering listening, vocal production, articulation, interpretation, stage presence, improvisation, technique and styles of gospel music. Provides participants opportunity to study and perform gospel literature for soloist(s) and mixed voices. May be taken for credit for more than two semesters. Prerequisite: ability to match pitch; corequisite: MU92.  
A / 2 cr. hrs.

MU72 / MUS136
VOICE CLASS
Considers development of singing voice. Concepts include principles of posture, breathing, vocalization, projection, selection of repertoire, diction, notation, interpretation, meaning and expression in singing, musicianship, stage presence and artistry. Skills acquired in class serve as foundation for more in-depth vocal study on private level. Permission of instructor required.  
A-G / 3 cr. hrs.

MU87‡ / MUS127
PIANO I
Class instruction in fundamentals of piano playing, designed to enable those who have no piano background to play simple compositions and scales. Pianos available for additional practice. Required for Music Theory I students. Prerequisite: MU40. Corequisites: MU26 and MU41.  
A-G / 2 cr. hrs.

MU88‡ / MUS128
PIANO II
Continuation of MU87 which concentrates on performance of easy, well-known selections and piano techniques. Pianos available for additional practice. Prerequisites: MU26, MU41 and MU87 or permission of instructor. Corequisites: MU27 and MU42.  
A-G / 2 cr. hrs.

Note: This course restricted to music majors at the Ammerman Campus. It cannot be used as a humanities or liberal arts elective in any degree program.

MU91‡ / MUS161
SYMPHONIC BAND
Open to all instrumentalists. Performances are part of class and attendance is obligatory. May be taken without credit with permission of instructor. May be taken for credit for more than two semesters.  
A / 2 cr. hrs.

MU92‡ / MUS162
COLLEGE CHOIR
Provides participants with opportunity to study and perform standard choral literature for mixed voices. Ability to match pitch is obligatory. Open to all students. Performances are part of class and attendance is mandatory. May be taken for credit for more than two semesters.  
A-E-G / 2 cr. hrs.

MU93‡ / MUS163
SUFFOLK SINGERS
Structured study and performance of music with emphasis upon ensemble and analysis of stylistic practices. Some reading ability preferred. This ensemble is for experienced vocal musicians. Performances are part of class and attendance is mandatory. Prerequisite: audition. Corequisite: MU92. May be taken for credit for more than two semesters.  
A-E-G / 2 cr. hrs.

MU94‡ / MUS164
CONTEMPORARY MUSIC ENSEMBLE
Focuses on study, rehearsal and performance of music composed during 20th century, with emphasis on works composed during last half of the century. In addition to the standard repertoire, new works are premiered by the ensemble. During preparation of these new compositions, ensemble works closely with composer in discussing compositional processes utilized. Enables students to gain knowledge and understanding of 20th century repertoire, compositional procedures, theoretical practices, historical movements and performance techniques. Prerequisites: MU41 and audition, or permission of instructor.  
A / 2 cr. hrs.

MU95‡ / MUS165
JAZZ ENSEMBLE
Available to student instrumentalists and singers who wish to broaden their performing experience in the jazz and pop music idiom. Emphasis placed on technical and musical skills for sectional and improvisational playing. Participation may include off-campus performances. Prerequisite: audition; corequisite: MU91. May be taken for credit for more than two semesters.  
A / 2 cr. hrs.

‡ Course Fee
MU98‡ / MUS166
COLLEGE ORCHESTRA
Open to student and community instrumentalists who wish to perform masterworks from the orchestral repertoire from Baroque through 20th Century. Emphasis on developing technical and musical skills in ensemble and solo playing. Note: Since some musical works require specific instrumentation, certain instruments may not be needed in a particular term. Prerequisite: informal individual audition for seating purposes only. May be taken for credit for more than two semesters. May also be taken without credit (audit basis) with permission of director. A / 2 cr. hrs.

MU99‡ / MUS167
GUITAR ENSEMBLE
Open to all music-reading guitarists. Classical, jazz, rock, country and folk music are played. Technical guitar skills and musical skills are improved through ensemble participation. Emphasis on those who wish to compose and hear their music performed. May be taken for credit for more than two semesters. Prerequisite: MU53 and audition. A / 2 cr. hrs.

NURSING
Note: Nursing courses require that students travel to a wide variety of hospitals and community agencies throughout Suffolk County. Only students formally admitted into a nursing curriculum can enroll in NR courses.

NA10‡ / NRA101
NURSING ASSISTANT
Teaches skills necessary to assist nurses in care of patients in a variety of health care settings. Upon successful completion of program, students are eligible to take the National Certification Examination and become certified nurse's aides. Course can be completed in one semester and is composed of lecture, laboratory on campus and laboratory in a local long-term care facility. Registration in program requires that students purchase liability insurance through the college. (4 hrs. lecture, 6 hrs. college/laboratory.) Prerequisite: open only to students formally accepted into the advanced placement program. A / 2 cr. hrs.

NR19 / NUR103
DOSSAGE CALCULATION FOR NURSES
Computations and measurements essential for safe administration of medications by nurses. Includes measurements, ratios, solutions and dosages for adults and children. Also includes conversions from metric to apothecary and household measurements, interpretation of physician's orders for appropriate system of calculation, and advanced intravenous calculations. Not a required course for nursing majors, but recommended for all nursing students who may have difficulty applying mathematical concepts to principles of medication administration. Prerequisite: admission to Nursing Program or permission of instructor. A-G / 7 cr. hrs.

NR20‡ / NUR101
FUNDAMENTALS OF NURSING
Study of basic nursing concepts as well as stress and adaptation. Nursing process forms framework for nursing practice. Through this process, health and fulfillment of basic human needs is assessed. Dysfunctional adaptation caused by stress is assessed with emphasis on health promotion and maintenance. College laboratory and clinical experience in health care settings utilized to develop and apply nursing theories and skills. Registration requires that students purchase liability insurance through the college. (4 hrs. lecture, 2 hrs. college laboratory, 6 hrs. clinical laboratory.) Corequisites or prerequisites: BY30 and PC11. A / 2 cr. hrs.

NR23‡ / NUR123
HEALTH ASSESSMENT
Focuses on health assessment as integral part of assessment portion of nursing process. Includes skillful collection of subjective data during the interview, analysis of objective data by inspection, palpation, percussion and auscultation of each body system, and synthesis of combined information to formulate nursing diagnoses and determine priorities and therapeutic interventions. (2 hrs. lecture, 2 hrs. college laboratory.) A / 3 cr. hrs.

NR29‡ / NUR129
NURSING (Advanced Placement Program)
Summer-only course presenting nursing process as structure for nursing practice. Study of adult physical and mental health incorporating responses and adaptation to stress. Adaptation and stress management promoted for adults who manifest their stress with physical and mental illness. Experiences include laboratory on campus and clinical experiences in health care settings to integrate nursing theory and skills. Registration requires that students purchase liability insurance through the college. (8-week summer session: 5 hrs. lecture, 2 hrs. college laboratory, 12 hrs. clinical laboratory.) Prerequisite: open only to licensed practical nurses who have been formally accepted into the advanced placement program. A / 9 cr. hrs.

‡ Course Fee
NR33 / NUR133
ADULT HEALTH NURSING I
Nursing process utilized in study of adult health when response to stressors has resulted in illness. Adaptation and stress management promoted for adults who manifest their response to stress with physical illness. Experiences to develop and apply nursing theory and skills include laboratory on campus and clinical experiences in health care settings. Registration requires that students purchase liability insurance through the college. (2.5 hrs. lecture, 5 hrs. college laboratory, 5 hrs. clinical laboratory.) Prerequisite: NR20; corequisite or prerequisite: BY32.
A-G / 5 cr. hrs.

NR36 / NUR136
ADULT MENTAL HEALTH NURSING
Nursing process utilized in study of adult mental health when response to stressors has resulted in illness. Adaptation and stress management promoted for adults who manifest their response to stress with mental illness. Experiences to develop and apply nursing theory and skills include clinical experiences in health care settings. Registration requires that students purchase liability insurance through the college. (2.5 hrs. lecture, 5 hrs. clinical laboratory.) Prerequisite: NR20; corequisite or prerequisite: BY32.
A-G / 4 cr. hrs.

NR40‡ / NUR240
ADULT HEALTH NURSING II
Nursing process utilized in continued study of adult health incorporating responses and adaptation to stress. Adaptation and stress management promoted for adults who manifest their stress in acute and chronic physical illnesses and clients with multiple health problems. Experiences to integrate nursing theory and skills include clinical experiences in health care settings. Registration requires that students purchase liability insurance through the college. (5 hrs. lecture, 10 hrs. clinical laboratory.) Prerequisites: NR33 and NR36, or NR29; corequisite or prerequisite: BY44.
A-G / 8 cr. hrs.

NR46‡ / NUR246
CHILD HEALTH NURSING
Nursing process utilized in study of family health incorporating responses and adaptation to stress. Adaptation and stress management promoted with families during childrearing. Experiences to integrate nursing theory and skills include clinical experiences in health care settings and community agencies. Registration requires that students purchase liability insurance through the college. (2.5 hrs. lecture, 5 hrs. clinical laboratory.) Prerequisites: NR33 and NR36, or NR29.
A-G / 4 cr. hrs.

NR48‡ / NUR248
MATERNAL/CHILD HEALTH NURSING
Nursing process utilized in study of family health incorporating responses and adaptation to stress. Adaptation and stress management promoted with families during childbearing. Experiences to integrate nursing theory and skills include clinical experiences in health care settings and community agencies. Registration requires that students purchase liability insurance through the college. (2.5 hrs. lecture, 5 hrs. clinical laboratory.) Prerequisites: NR33 and NR36, or NR29.
A-G / 4 cr. hrs.

NR71-73A / NUR171-173A
NR74-76G / NUR174-176G
SPECIAL TOPICS IN NURSING
Special and current topics in nursing. Content varies from year to year.
A-G / 1-3 cr. hrs each

NR75 / NUR121
NURSING: PAST, PRESENT AND FUTURE
Study of nursing history and contemporary issues that affect health care. Nurses must have knowledge and understanding of legal, ethical and political issues, leadership roles and their implications for nursing. Changes in health care delivery system necessitate long-range career planning and professional activism as investment in future. (1 hr. lecture.)
A-G / 1 cr. hr.

OCCUPATIONAL THERAPY ASSISTANT
Note: Enrollment in OA courses is limited to students formally admitted to the Occupational Therapy Assistant program.

OA11‡ / OTA101
INTRODUCTION TO OCCUPATIONAL THERAPY
Studies history, philosophy, ethics and function of occupational therapy profession and its place in contemporary health care service delivery. Discusses other allied health disciplines and agencies providing care for disabled. Introduces concept of occupation, communication skills, and beginning occupational therapy media in laboratory. Also introduces crafts, activity analysis, and principles of occupation-based intervention. One or more field visits, accomplished through out-of-class assignments made to observe occupational therapy services. Registration in this course requires that students purchase liability insurance as specified by OTA program. (2 hrs. lecture, 3 hrs. laboratory.) No prerequisite. Offered fall semester only.
G / 3 cr. hrs.
**OA14 / OTA102**

**CLINICAL CONDITIONS AND TERMINOLOGY**

Studies etiology, pathology and clinical manifestations of conditions commonly referred for occupational therapy treatment. Examines effects of disease and illness with respect to occupational performance. Medical terminology introduced, as well as safety procedures and precautions. (2 hrs. lecture.) Corequisites: OA11 and OA15. Offered fall semester only.

G / 2 cr. hr.

**OA15 / OTA105**

**HUMAN OCCUPATION ACROSS THE LIFE SPAN**

Introductory course presenting normal developmental processes throughout life as they pertain to occupation. Teaches application of human development principles to occupational performance, performance areas, components and context. Occupation stressed throughout each developmental stage as integral aspect of skill and role acquisition, as well as socio-cultural identification. (2 hrs. lecture.) Corequisites: OA11 and OA14. Offered fall semester only.

G / 2 cr. hr.

**OA18‡ / OTA118**

**OCCUPATIONAL THERAPY MEDIA AND APPLICATIONS I**

Examines occupational therapy process of physical, psychosocial and developmental conditions commonly referred for occupational therapy for individuals from birth to adolescence. Teaches frames of reference, assessment/evaluation tools and intervention strategies specific to this period of development. Includes Level I fieldwork experience. Registration in this course requires that students purchase liability insurance as specified by OTA program. (2 hrs. lecture, 3 hrs. laboratory, 3 hrs. fieldwork.) Prerequisites: OA11, OA14 and OA15 with C grades or higher. Corequisite: OA21. Offered spring semester only.

G / 4 cr. hrs.

**OA21 / OTA121**

**OCCUPATIONAL THERAPY FOR PHYSICAL DYSFUNCTIONS**

Surveys occupational therapy theory and approaches specific to physically disabling conditions. Teaches assessment skills using observation, historical data and interviews within appropriate role delineation. Explores occupational therapy process, including effective documentation. Emphasizes collaboration strategies to work effectively as part of rehabilitation team. Registration in this course requires that students purchase liability insurance as specified by OTA program. (2 hrs. lecture.) Prerequisites: OA11, OA14 and OA15 with C grades or higher. Corequisite: OA18. Offered spring semester only.

G / 2 cr. hr.

**OA23‡ / OTA131**

**OCCUPATIONAL THERAPY MEDIA AND APPLICATIONS II**

Examines occupational therapy process of physical, psychosocial and developmental conditions commonly referred for occupational therapy for individuals from late adolescence to middle adulthood. Teaches frames of reference, assessment/evaluation tools and intervention strategies specific to this period of development. Includes Level I fieldwork experience. Registration in this course requires that students purchase liability insurance as specified by OTA program. (2 hrs. lecture, 3 hrs. laboratory, 3 hrs. fieldwork.) Prerequisites: OA18 and OA21 with C grades or higher. Offered summer semester only.

G / 4 cr. hrs.

**OA28‡ / OTA201**

**OCCUPATIONAL THERAPY MEDIA AND APPLICATIONS III**

Examines occupational therapy process of physical, psychosocial and developmental conditions commonly referred for occupational therapy for individuals from middle to older adulthood. Teaches frames of reference, assessment/evaluation tools and intervention strategies specific to this period of development. Includes Level I fieldwork experience. Registration in this course requires that students purchase liability insurance as specified by OTA program. (2 hrs. lecture, 3 hrs. laboratory, 3 hrs. fieldwork.) Prerequisite: OA23 with C grade or higher. Corequisite: OA29. Offered fall semester only.

G / 4 cr. hrs.

**OA29 / OTA202**

**THE MANAGEMENT ROLE OF THE OCCUPATIONAL THERAPY ASSISTANT**

Application of principles of management and systems in provision of occupational therapy services. Addresses role and responsibilities of occupational therapy assistant as a whole, emphasizing service delivery models, profession and consumer advocacy, clinical management, supervision, program evaluation, professional responsibility, reimbursement mechanisms, time management, scheduling, inventory, and other skills required for management responsibilities in this field. Students integrate professional ethics, values and responsibilities with need to be autonomous while maintaining correct role delineation. (2 hrs. lecture.) Prerequisite: OA23 with C grade or higher. Corequisite: OA28. Offered fall semester only.

G / 2 cr. hr.
OA35‡ / OTA211
CLINICAL PRACTICE I
First of two supervised clinical experiences in occupational therapy practice setting for persons with disabilities. During practicum, students expected to apply knowledge from course work to carry out treatment plans with assigned clients. Students work under supervision of a qualified occupational therapy practitioner at field site. Seminar component integrates clinical experience with course work. Clinical rotation may require full-time live-away situation. There may be some variation in time sequences of clinical placements. Registration in this course requires that students purchase liability insurance as specified by OTA program. (1 hr seminar; 20 hrs. fieldwork.) Prerequisites: OA28 and OA29 with C grades or higher. Corequisite: OA45 or permission of department. Offered spring semester only. G / 6 cr. hrs.

OA45‡ / OTA212
CLINICAL PRACTICE II
Second and final supervised fieldwork assignment in clinical setting dealing with practice environment different from students’ experience in OA35. Working under supervision of a qualified occupational therapy practitioner at field site, students expected to apply knowledge from course work and previous clinical practicum while implementing treatment programs. Seminar provides opportunities for students to meet and discuss their clinical experience. Clinical rotation may require full-time live-away situation. There may be some variation in time sequences of clinical placements. Registration in this course requires that students purchase liability insurance as specified by OTA program. (1 hr seminar, 20 hrs. fieldwork.) Prerequisites: OA28 and OA29 with C grades or higher. Corequisite: OA35 or permission of department. Offered spring semester only. G / 6 cr. hrs.

OFFICE TECHNOLOGIES

OT24‡ / OFT101
BASIC KEYBOARDING
Introduces and develops basic keyboarding skills. Especially useful for students who desire keyboarding skills for use with microcomputers. (2 hrs. laboratory.) Credit given for OT24 only if credit is not received for the following courses: OT25, OT29 or equivalents. A-E-G / 1 cr. hr.

OT25‡ / OFT102
KEYBOARDING AND DOCUMENT PREPARATION I
Presents features of electronic keyboard. Students receive practice in keying straight copy materials, rough drafts, reports, memos and letters. Keyboarding drills administered on daily basis to increase speed and accuracy. (2 hrs. lecture, 2 hrs. laboratory.) A-E-G / 3 cr. hrs.

OT29‡ / OFT103
KEYBOARDING AND DOCUMENT PREPARATION II
For the student who can type but needs additional training to develop a marketable skill. Course content includes training in preparation of business correspondence, documents, forms and reports. Registration requires keyboarding speed of 30 wpm. (2 hrs. lecture, 2 hrs. laboratory.) A-E-G / 3 cr. hrs.

OT62‡ / OFT107
MEDICAL MACHINE TRANSCRIPTION
Reviews medical terminology and develops skill in transcribing medical correspondence and reports from prerecorded material. Includes operational techniques involved in machine transcription utilizing personal computer. Also includes review of correct usage of principles of grammar, spelling, punctuation, capitalization and word division. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisites: OT25 or equivalent and MD11. Recommended: IP12. G / 2 cr. hrs.

OPHTHALMIC DISPENSING

OD11 / OPD101
OPHTHALMIC DISPENSING I
General overview of ophthalmic industry and professions intended to provide basis for more advanced study. Areas discussed include organization of the industry, history of glass making, spectacle lens forms and materials, manufacturing processes for lenses and frames, an understanding of the written prescription, basic geometric optics, lens theory, normal and abnormal vision, and structure of the eye. (2 hrs. lecture.) Prerequisite: MA07 or equivalent. G / 2 cr. hrs.

OD13‡ / OPD103
OPHTHALMIC MATERIALS I
Introduces the ophthalmic laboratory, its machinery, equipment and instruments, their application and use. Stresses importance of following laboratory safety rules. History of ophthalmic lenses and frames discussed. Also covers lens materials, their properties and characteristics, and the form they take from rough blank to finished uncut lens. Introduction to light theory included. With the written prescription as a starting point, lens blanks are selected, computations made, layout determined, lenses marked and blocked, and finished product verified. Hand edging is developed as the first skill in fabrication of eyeglasses. (2 hrs. lecture, 3 hrs. laboratory.) G / 3 cr. hrs.

‡ Course Fee
Ophthalmic Dispensing

**OD14‡ / OPD104**  
**INTRODUCTION TO CONTACT LENSES**  
Non-degree course in ophthalmic dispensing, consisting of fundamental components of OD15: Contact Lenses I and BY37: Anatomy and Physiology of the Eye. Students are introduced to structure and function of anterior segment of the eye, become familiar with potential problems and learn how contact lenses interact with ocular health and visual function. Discusses contact lens design and manufacturing techniques and covers fundamental optics of contact lenses in detail. Does not fulfill degree requirements in the Ophthalmic Dispensing curriculum. (2 hrs. lecture, 3 hrs. laboratory.)  
**G / 3 cr. hrs.**

**OD15‡ / OPD110**  
**CONTACT LENSES I**  
First of three courses which develop skills and knowledge necessary for successful contact lens fitting. History of contact lenses and development of each material are considered, as well as indications and contraindications to contact lens wear. Infection control is introduced. Emphasis on instrumentation associated with contact lens fitting and diagnostic skills. Proficiency is developed in contact lens verification and evaluation of fit. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: OD11 with C grade or higher and BY37.  
**G / 3 cr. hrs.**

**OD20‡ / OPD102**  
**OPHTHALMIC DISPENSING II**  
Builds upon knowledge base established in Ophthalmic Dispensing I. Students analyze a prescription and learn about many different lens and frame options and styles. Bifocal and progressive lens design and fitting emphasized. Law of refraction is presented. In addition to taking proper measurements necessary for making a pair of glasses optically correct, students become well-versed in tool use and basic frame adjusting. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: OD11 with C grade or higher.  
**G / 3 cr. hrs.**

**OD23‡ / OPD105**  
**OPHTHALMIC MATERIALS II**  
Second of three courses which provide experience in fabrication of a pair of eyeglasses. Emphasis on surfacing and power calculations, construction of multifocal lenses (including progressive), management of high-powered prescriptions, and prism. Occupational safety requirements discussed in detail. Tempering of glass lenses also included. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: OD13 with C grade or higher; corequisite: OD20 or permission of department head.  
**G / 3 cr. hrs.**

**OD25‡ / OPD211**  
**CONTACT LENSES II**  
Second of three courses which develop skills and knowledge necessary to succeed in contact lens fitting. Rigid gas-permeable and soft contact lenses, including philosophies of fitting, are studied in detail for non-astigmatic eyes. Emphasis on patient case histories, pre-fit diagnostic evaluations, and insertion, removal and fitting of gas-permeable and soft contact lenses. Skill refinement is developed with all instrumentation, including biomicroscope and keratometer. Patient communication and lens care systems are covered. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. lecture, 3 hrs. laboratory) Prerequisite: OD15 with C grade or higher.  
**G / 3 cr. hrs.**

**OD30‡ / OPD201**  
**OPHTHALMIC DISPENSING III**  
Builds on principles discussed in Ophthalmic Dispensing I and II. Students introduced to more complex dispensing decisions and procedures. Determination and use of wanted and unwanted prism, lens aberration and reflection are analyzed in detail. Techniques for fitting bifocals in specialized prescriptions are discussed and demonstrated. Dispensing the aphake and high myope studied in particular. Lens magnification and vertex compensation also analyzed in detail. Advanced frame adjusting and use of ophthalmic tools reinforced. Students gain experience in campus clinic by completing a fifteen-hour internship. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. lecture, 2 hrs. laboratory, 1 hr. clinic.) Prerequisites: OD13 and OD20 with C grade or higher and PH37, or permission of department head.  
**G / 3 cr. hrs.**

**OD33‡ / OPD203**  
**OPHTHALMIC MATERIALS III**  
Final course in series designed to give students experience in fabrication of a pair of glasses. Stresses more complex lenses, frames and mounting procedures. Emphasis on finishing of high-index materials, rimless and semi-rimless mountings, frame repairs, optional lens treatments, sport glasses and other specialty lenses and frames. Absorptive lenses covered in detail. Additionally, students become proficient at prescription problem solving and finishing laboratory practice management. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: OD23 with C grade or higher; corequisite: OD30 or permission of department head.  
**G / 3 cr. hrs.**

† Course Fee
OD35‡ / OPD212
CONTACT LENSES III
Last of three courses which develop skills and knowledge necessary to succeed in contact lens fitting. Gas-permeable lens fitting is reviewed. Fitting the astigmatic patient with toric lenses is explored. Advanced contact lens fitting procedures emphasized. Extended wear, bandage, bifocal, aspheric, specialty and keratoconic lens fitting studied in detail. Also stresses contact lens practice management skills. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: OD25 with C grade or higher. G / 3 cr. hrs.

OD37‡ / OPD221
PRINCIPLES OF REFRACtion I
Introduction to study of clinical refraction of eye. Topics include etiology, types, causes, symptoms, testing and treatment of eye abnormalities; accommodation and presbyopia; versions and vergences; anisometropia and aniseikonia; external examination, preliminary and subjective tests; retinoscopy, low vision aids; twenty-one point refraction examination. Students must be either licensed ophthalmic dispensers or registered in an opticianry program. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: OD15 and OD20 with C grades or higher. G / 3 cr. hrs.

Note: Completion of this course does not authorize students or licensed opticians to perform refraction in New York State. Please refer to New York State regulations relating to ophthalmic dispensing.

OD40‡ / OPD202
OPHTHALMIC DISPENSING IV
Builds on material covered in Ophthalmic Dispensing II and III. Students introduced to specialized dispensing situations. Needs of athletes and sports vision devices are presented. Additionally, safety lenses for children and various occupational demands are discussed in detail. Pediatric dispensing covered. Prescription analysis and lifestyle dispensing presented. Students learn about requirements of low vision patients and aids that can assist them. Marketing and business aspects of ophthalmic practice also addressed. Students gain experience in campus clinic by completing a fifteen-hour internship. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. lecture, 2 hrs. laboratory, 1 hr. clinic.) Prerequisite: OD23 and OD30 with C grade or higher, or permission of department head. G / 3 cr. hrs.

OD47‡ / OPD222
PRINCIPLES OF REFRACtion II
Second of two courses which assist students in study and application of clinical refraction of the eye. For ophthalmic dispensers and ophthalmic dispensing students. Students must be either licensed ophthalmic dispensers or registered in an opticianry program. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: OD37 with C grade or better. G / 3 cr. hrs.

OD48‡ / OPD231
OPHTHALMIC EXTERNSHIP
Excerting at an off-campus site offers students opportunity to apply and use knowledge and skills acquired in the program in an ophthalmic dispensing setting. Supervision provided by designated licensed ophthalmic dispenser, optometrist or ophthalmologist. Experience gained in all aspects of both “front” and “back” office procedures. Weekly seminar led by faculty allows exchange of experiences and review of specific topics. Permission to take course during summer must be obtained from faculty. Registration in this course requires that students purchase liability insurance through the college. (1 hr. seminar, 8 hrs. externship.) Prerequisites: OD13, OD15 and OD30 with C grade or higher. G / 3 cr. hrs.

PHILOSOPHY

PL11 / PHL101
ISSUES IN PHILOSOPHY
Investigates traditional and contemporary philosophical issues such as problem of knowledge, nature of reality, question of freewill versus determinism, and existence of mind, soul and God. No prerequisite. A-E-G / 3 cr. hrs.

PL14 / PHL104
CRITICAL THINKING
Develops methods of inquiry and analysis as core of a strategy of critical thinking. Students examine hypotheses according to evidence, role of necessary and sufficient conditions, concept of cause and effect, and treatment of alternative hypotheses. Includes use of these structures to formulate, evaluate, criticize and improve argument, judgment and interpretation. No prerequisite. A-E-G / 3 cr. hrs.

PL15 / PHL105
LOGIC
Nature and structure of the reasoning process as found in basic fields of thought. Emphasis on both formal and informal logic, including fallacies in reasoning. No prerequisite. A-E-G / 3 cr. hrs.

PL17 / PHL201
HISTORY OF PHILOSOPHY
Surveys contributions of principal figures in history of Western philosophy from early Greeks to modern thinkers. Emphasis on works of Plato and Aristotle as setting foundation of Western thought. Prior background in philosophy not necessary. No prerequisite. A-E-G / 3 cr. hrs.

PL18 / PHL111
WORLD PHILOSOPHIES
Addresses, across cultural boundaries, the great questions of philosophy. Can we integrate into Western philosophic heritage the wisdom of ancient China and insights of Japan? What can we learn from the Vedic tradition of pain and suffering, from Arab and Jewish traditions of God and the evil we find in the world, from African traditions of mysteries of the universe, and from our own native peoples of human vision? A-G / 3 cr. hrs.

‡ Course Fee
Philosophy – Physical Education

PL20 / PHL293
PHILOSOPHY OF THE ARTS
Philosophical perspective on art, literature, music and popular culture. Classical and contemporary theories on aesthetics used to analyze examples from various artistic areas. Addresses problem of defining art, special character of aesthetic judgment, and distinction between art and non-art. Also investigates role of art in society, its function and purpose, relationship between art and morality, quality of aesthetic experience and process of artistic creation. Special emphasis on distinction between high and low art. Some field trips may be required. No prerequisite.
A / 3 cr. hrs.

PL23 / PHL107
ETHICS
Study of traditional and contemporary moral theories, along with consideration of some contemporary moral problems, designed to help develop student's ability to assess moral judgments. No prerequisite.
A-E-G / 3 cr. hrs.

PL24 / PHL211
BIO MEDICAL ETHICS
In-depth exploration of abortion, euthanasia, genetic engineering, cloning, human experimentation, allocation of scarce life-saving resources and other related ethical issues of current vital concern. No prerequisite.
A-E-G / 3 cr. hrs.

PL25 / PHL212
ETHICAL ISSUES IN BUSINESS
Within context of traditional and contemporary moral theory, investigates whether idea of business ethics makes sense, whether modern democratic social-welfare state – or any proposed alternative – is grounded in moral principle, whether corporations should have ‘social conscience,’ whether principle of caveat emptor (‘let the buyer beware’) takes precedence in consumer society, and (among other issues) whether ‘globalization’ or ‘protectionism’ is wave of future. No prerequisite.
A-G / 3 cr. hrs.

PL30 / PHL215
PHILOSOPHY OF RELIGION
Critical analysis of nature of religion and major conclusions of religious thought. Class discussion concerns readings taken from works of traditional and contemporary philosophers, including Aquinas, Anselm, Hume, Kant, Russell, Ayer, Flew and Munitz. No prerequisite.
A-E-G / 3 cr. hrs.

PL32 / PHL113
PHILOSOPHY OF HUMAN LIBERATION
Exploration of philosophical concepts of freedom, determinism, forms of oppression and models of liberation (with respect to race, class, gender, age, religion, etc.) Consulting texts by contemporary feminist philosophers, the primary example for discussing oppression/liberation is the situation of women as well as the concept of the feminine. Required in Women’s Studies program. No prerequisite.
A / 3 cr. hrs.

PL40-43A / PHL240-243A
PL44-46G / PHL244-246G
PL47-49E / PHL247-249E
SPECIAL TOPICS IN PHILOSOPHY
Critical analysis of special philosophical topics where specific content varies from year to year.
A-E-G / 3 cr. hrs. each

PHYSICAL EDUCATION

PE Service Fee

The physical education program is designed to provide students with a variety of fitness, lifetime sport and outdoor adventure activities. Two credit hours of activity courses are required for all students enrolled in a degree program of study. Students with a documented medical waiver are required to take PE96: Wellness: A Lifestyle Approach in lieu of two credits of activity courses. Students may take additional physical education courses, but these credits cannot be applied toward fulfillment of graduation requirements. The same physical education class cannot be repeated for credit toward graduation. Students may take Fitness Specialist (PF) courses as unrestricted electives only on a seat-available basis.

PE12G / PED112
GOLF
Places heavy emphasis on basic fundamentals of grip, stance and swing as well as providing thorough understanding of the game, which is necessary for enjoyable participation.
A-E-G / 1 cr. hrs.

PE13G / PED113
WEIGHT TRAINING
Develops and maintains physical fitness through proper technique and progressions of weight training with use of supplementary apparatus.
A-G / 1 cr. hr.

PE14G / PED114
BEGINNING TENNIS
Basic instruction includes forehand stroke, backhand stroke and serve. Provides basic understanding of game and rules.
A-E-G / 1 cr. hr.

PE16G / PED116
SOCCER
Covers basic fundamentals of soccer as well as provides opportunity to develop high level of aerobic fitness through vigorous participation.
A-E-G / 1 cr. hr.

PE17 / PED117
RACQUETBALL
Covers basic fundamentals of lifetime sport of racquetball essential for full participation and enjoyment. Fee paid directly to racquetball court for all games played. Transportation required.
A-G / 1 cr. hr.

PE19G / PED118
BASKETBALL/SOFTBALL
Team sports in which students receive instruction in basic fundamentals as well as principles of team work essential for enjoyable competition.
A-G / 1 cr. hr.

PE Service Fee
PE19G / PED119
FITNESS WALKING
Develops aerobic fitness in students through analysis and practice of three levels of walking intensity. Pre- and post-fitness levels assessed. Self-monitoring of appropriate individualized intensity, frequency and duration of walking stressed utilizing a training journal in conjunction with class participation. A-E-G / 1 cr. hr.

PE20G / PED120
BICYCLING
Uses cycling as means toward improving cardiovascular fitness and endurance, regulating weight and enhancing recreational time. Roads and scenery of Suffolk County serve as backdrop to practice safe cycling and learn benefits of this type of activity. May be geared to moderate or intense workouts, based upon class duration. Registrants must have their own bicycles and helmets and be able to bicycle safely prior to enrolling. Does not teach how to bicycle. A-E-G / 1 cr. hr.

PE21G / PED121
JOGGING AND FITNESS
Promotes full body fitness through jogging and other related exercises. Techniques of running style stressed along with discussion of physiological aspects of total body fitness. Students encouraged to design a sound individualized jogging program based on proper training techniques. A-E-G / 1 cr. hr.

PE22G / PED122
BADMINTON
Covers basic fundamentals of lifetime sport of badminton. Stance, strokes, scoring and strategies demonstrated by instructor and practiced by students in teams. G / 1 cr. hr.

PE23G / PED123
BASKETBALL
Offers instruction in basic skills of basketball, including dribbling, passing, rebounding, shooting and defense. Discusses offensive and defensive schemes to develop appreciation for cognitive aspects of game. A-E-G / 1 cr. hr.

PE27 / PED127
BOWLING/BADMINTON
Fundamentals of bowling, history of courtesies, scoring, approach and delivery. Fee paid directly to bowling lanes for all games bowled. Badminton introduces racquet skills and strategy to play and enjoy both singles and doubles competition. Transportation required. A-E-G / 1 cr. hr.

PE28 / PED128
BOWLING
Fundamentals of bowling; history of courtesies, scoring, approach and delivery. Also covers advanced techniques including reading lanes, types of balls, drill patterns, advanced releases and bowling drills. Fee paid directly to bowling lanes for all games bowled. Transportation required. A-E-G / 1 cr. hr.

PE29G / PED129
VOLLEYBALL
Develops basic skills of volleyball. Students learn correct method of passing, spiking and serving as well as rules, scoring and teamwork. A-E-G / 1 cr. hr.

PE33G / PED133
SOCIAL DANCE
Instruction in basic steps of modern ballroom dancing. Dances taught might include cha cha, swing, fox trot, merengue, etc. A-G / 1 cr. hr.

PE35-40E / PED135-140E
PE41-43, 70-76A / PED141-143, 170-176A
PE52-54, 81-85G / PED152-154, 181-185G
SPECIAL TOPICS IN PHYSICAL EDUCATION
Special and current topics in physical education. Content varies from year to year. A-E-G / 1-2 cr. hrs. each

PE36G / PED136
LATIN DANCE
Special topics course in which students learn and use basic step patterns, body movements and rhythmic structures of variety of Latin dances (examples: cha-cha, mambo, tango, conga, samba, bossa nova, merengue, etc.) that can be used in social settings. E / 1 cr. hr.

PE37G / PED137
SWING DANCE
Special topics course introducing basic elements of swing dance from its origins to modern practice. E / 1 cr. hr.

PE40G / PED140
LIFEGUARDING
Special topics course in which students expected to master skills of lifeguarding. Requires that students achieve level of aerobic and muscle strength and endurance necessary to perform duties of ocean and pool lifeguard. Pre- and post-fitness levels assessed. Self-monitoring of appropriate individualized intensity, frequency and duration of swimming is stressed utilizing a training journal in conjunction with class participation. Prerequisite or corequisite: HC22 or equivalent and swim 440 yards in 8 minutes at first class session. Transportation required. E / 1 cr. hr.

PE42G / PED142
LONG ISLAND HIKING
Special topics course covering basic skills needed for trail hiking at local parks. Emphasis on improving cardiovascular endurance and learning orienteering skills such as map reading, compass use, safety, etiquette and environmental awareness. Transportation to local parks and applicable fees provided by students as needed. A / 1 cr. hr.
Physical Education

PE43 / PEDI43
SPORTS CONDITIONING
Special topics course in which each athlete's session consists of a cardiovascular, muscle and flexibility workout program designed according to his/her assessment results and sport interest. Enhancement of one's fitness for athletic participation in either a selected team or individual sport is focus of program. A / 1 cr. hr.

PE44 / PEDI44
BODY TONING
Improves overall fitness through use of exercises, resistance work and movement techniques which provide emphasis on toning, muscular endurance and flexibility. Nutrition and weight control activities included. A-E-G / 1 cr. hr.

PE45 / PEDI45
TEAM SPORTS AND CONDITIONING
For students who wish to improve their physical stamina through exercises, physical fitness testing, and participation in variety of team sports such as speedball, flag football, basketball, team handball and more. A / 1 cr. hr.

PE47 / PEDI47
YOGA
Develops total physical awareness through Hatha Yoga. Lectures and demonstrations on nutrition, meditation and relaxation included. A-G / 1 cr. hr.

PE48 / PEDI48
SELF-DEFENSE
Basic techniques of self defense. Instruction concentrated on teaching fundamentals of judo. A-G / 1 cr. hr.

PE49 / PEDI49
MODERN DANCE AND COMPOSITION
Techniques and principles of modern dance composition applying spatial, temporal, dynamic and dramatic elements of choreography. A-G / 1 cr. hr.

PE51 / PEDI51
BACKPACKING
Techniques and fundamentals of backpack camping. Included are one-day field trip and weekend campout. Transportation required. A-E-G / 1 cr. hr.

PE52 / PEDI52
COUNTRY WESTERN LINE DANCING
Special topics course teaching basic steps of country western line dancing. G / 1 cr. hr.

PE53 / PEDI53
WATER AEROBICS
Special topics course providing overview of scope of fitness attainable from regulated program of exercising in water. Stresses development of muscular strength, flexibility and increased aerobic capacity (endurance) in aqua aerobics and water exercise. Ability to swim not necessary. G / 1 cr. hr.

PE54 / PEDI54
INTRODUCTION TO EQUITATION
Special topics course introducing basics of equitation. Includes emphasis on controlling the horse, understanding use of aids, movements of the horse, rider's position and safely working with horses. G / 1 cr. hr.

PE55 / PEDI55
INTRODUCTION TO SWIMMING
Introduces fundamentals of water safety, swimming and swimming for conditioning. Pre- and post-fitness levels assessed. Self-monitoring of appropriate individualized intensity, frequency and duration of swimming stressed utilizing training journal in conjunction with class participation. E-G / 1 cr. hr.

PE56 / PEDI56
FITNESS SWIMMING
Uses swimming as activity to enhance cardiovascular fitness and muscle endurance. Pre- and post-fitness levels assessed. Self-monitoring of appropriate individualized intensity, frequency and duration of swimming stressed utilizing training journal in conjunction with class participation. Students need to swim 400 yards continuously at first session or have permission of instructor. E-G / 1 cr. hr.

PE59 / PEDI59
MODERN JAZZ DANCE
Techniques of jazz dancing from its origins to contemporary stage dancing. A-G / 1 cr. hr.

PE60 / PEDI60
AEROBICS
Emphasizes improvement in cardiovascular endurance combining low- and high-impact moves and intensities through use of dance/locomotive patterns and a variety of other techniques. A-G / 1 cr. hr.

PE61 / PEDI61
KARATE
Teaches an ancient and established art of the Orient using basic defensive and offensive techniques of Karate. First and second basic forms, called Katas, are introduced. A-G / 1 cr. hr.

PE62 / PEDI62
STEP AEROBICS
Improves cardiovascular endurance combining low-impact work with moderate- to high-intensity conditioning response through use of creative step patterns, multidirectional variations and transitions, and interval training. A-G / 1 cr. hr.

PE63 / PEDI63
CARDIO-KICKBOXING
Improves cardiovascular endurance by combining low-impact workout with moderate- to high-intensity conditioning through use of basic boxing skills such as jabs, punches, upper cuts and tae kwon do kicks. Some high-impact, high-intensity interval segments included. A-G / 1 cr. hr.
PE65 / PED165
INTRODUCTION TO EQUITATION AND HORSEMANSHIP
Introduces basics of equitation. Includes emphasis on controlling horse, understanding use of aids, movements of horse, rider’s position and safely working with horses. Special fee and transportation required. G / 1 cr. hr.

PE66 / PED166
DISCIPLINES IN EQUITATION AND HORSEMANSHIP
For students who have completed Introduction to Equitation and Horsemanship (PE65) or its equivalent and can walk, trot and canter. Includes emphasis on hunt seat, forward seat, dressage seat, balance seat, polo seat, jumping, advanced movements of horse, rider’s position and safely working with horses. Students must be able to mount and dismount horse without assistance. Special fee and transportation required. Prerequisite: PE65 or permission of instructor. G / 1 cr. hr.

PE67 / PED167
LINE DANCING
Introduces basic steps involved in line dancing. Students learn approximately 20 representative dances, combining memorization of steps with physical workout. G / 1 cr. hr.

PE70 / PED170
INDOOR ROCK CLIMBING
Special topics course covering fundamentals of indoor rock climbing. Students of all skill levels can challenge themselves on selection of climbing walls simulating rock formations of various degrees of difficulty. Requires development of strength, mobility, flexibility, coordination and agility. A fee is paid directly to the facility per session. Transportation required. A / 1 cr. hr.

PE71 / PED171
F.A.S.T.
Special topics course covering Functional Agility and Strength Training through use of free weights. As total body program, course emphasizes core muscles (abdominal, back, etc.), improves functional strength and endurance in all muscle areas and results in enhanced performance of daily, recreational and sport activities. A / 1 cr. hr.

PE72 / PED172
TOTAL FITNESS
Special topics course providing “total” fitness experience through use of muscle training exercises, a variety of aerobic conditioning activities and stretching techniques. Training varies from day to day. Offered only during winter and summer day sessions. A / 1 cr. hr.

PE73 / PED173
FITNESS ADVENTURE TOUR
Special topics online course emphasizing fitness conditioning combined with cultural and scenic exploration of selected area in United States or an international country. Fitness methods can include walking, hiking, backpacking, camping, cycling, canoeing, etc., throughout tour. Each fitness method and site selected from year to year includes one-week fitness tour experience to selected location. Initial education and preparation done online. Students responsible for all costs, including transportation. Offered summer only. A / 1 cr. hr.

PE81 / PED181
SPINNING
Special topics course introducing basics of spinning (indoor stationary cycling). Provides individually paced, non-impact cardiovascular workout set to inspirational music in non-competitive environment good for all fitness levels. G / 1 cr. hr.

PE82 / PED182
BALLET
Special topics course exploring techniques of ballet from its origin to contemporary ballet. Emphasis on learning and developing both technical skills and aesthetic sensibilities at beginning level. No previous experience in ballet dance necessary. G / 1 cr. hr.

PE83 / PED183
HIP-HOP AEROBICS
Special topics course improving cardiovascular endurance by learning and using basic hip-hop step patterns, body movements and rhythmic structures. Examples of hip-hop dances incorporated into aerobic workout include break dancing, pop and lock, Harlem shake, crazy legs. G / 1 cr. hr.

PE84 / PED184
PICKLEBALL
Special topics course covering basic fundamentals of lifetime sport of pickleball. Basic instruction includes forehand, backhand, volley and serve. Provides basic understanding of game and rules. G / 1 cr. hr.

PE96 / PED196
WELLNESS: A LIFESTYLE APPROACH
Stresses physical fitness as lifelong goal. Emphasizes improving current level of physical fitness. Also considers importance of nutrition, sports injury prevention, and psychological factors as they relate to general fitness. (1 hr. lecture, 2 hrs. laboratory.) No prerequisite. A-E-G / 2 cr. hr. Note: Required for those students receiving a documented physical education medical waiver. The activity portion of PE96 is tailored to meet the needs of individual students and their respective disability.
Fitness Specialist

Note: Enrollment in PF courses is limited to students officially admitted to the Fitness Specialist program. Students outside the program who meet the pre- and corequisites may be admitted to individual courses by the department when seats are available. In such cases, these courses fulfill their unrestricted electives. PF special topics courses are open to all students and can be used as unrestricted electives, subject to minimum credit requirements.

PF12 / PFS111
NUTRITION AND HUMAN PERFORMANCE
Provides students in fitness field with nutritional information pertinent to enhancing human performance. Among subjects discussed are digestive system, food substances, minerals and vitamins; energy systems and their application to fitness and sports performance; supplemental and diet theories for sport enhancement and weight management; and relationship between food and exercise performance for special populations. No prerequisite. (formerly PT13)
A / 3 cr. hrs.

PF15‡ / PFS113
EXERCISE LEADERSHIP AND CONCEPTS OF AEROBIC CONDITIONING
Physiological aspects of aerobic conditioning, principles of training, and biomechanics of appropriate movement patterns are covered. Exercise leadership techniques emphasized as students experience and learn design concepts for variety of aerobic conditioning programs: job/walk, aerobic dance, bike, treadmill, rower, etc. (1 hr. lecture, 2 hrs. laboratory.)
Prerequisites: BY30; corequisite: BY32.
A / 2 cr. hrs.

PF20‡ / PFS205
FITNESS ASSESSMENT AND SCREENING
Provides understanding of different components of fitness; various evaluation techniques, health screening of individuals, and their application to needs of clients and special populations in designing appropriate fitness program. (1 hr. lecture, 2 hrs. laboratory.)
Prerequisites: PF15 and current CPR certification.
Corequisite: PF16.
A / 2 cr. hrs.

PF23 / PFS209
KINESIOLOGY
Analysis of skeletal, muscular and nervous systems provides basis for understanding human movement with emphasis on sport skills and dance forms. Mechanical principles underlying movement and their relationship to performance of skills emphasized.
Prerequisites: BY30, BY32.
A / 3 cr. hrs.

PF25 / PFS212
INJURY PREVENTION AND MANAGEMENT
Students study anatomy and biomechanics of human body discussing preventive and rehabilitative techniques for fitness and sport participation injuries. Stress reduction, over-training symptoms, and client’s overall wellness included.
Prerequisites: BY30, BY32 and PF23.
A / 3 cr. hrs.

PF32 / PFS214
OVERVIEW OF FITNESS AND FACILITY MANAGEMENT
Provides students with knowledge and skill required for employment in fitness field. Topics include growth and development of fitness industry, job opportunities, evaluation criteria for all levels, program planning, space and facilities design, equipment evaluation and purchasing, liability issues and more.
(formerly PF11)
A / 3 cr. hrs.

PF40‡ / PFS217
FIELDWORK IN FITNESS
Provides fitness specialists with on-campus practical fieldwork experience in working with clients by providing fitness assessment, screening, program design and leadership techniques through participation in an exercise program under supervision of department faculty. Knowledge base, skill and behavioral components covered in curriculum are assessed through this experience. Registration in this course requires that students purchase liability insurance through the college. (1 hr. lecture, 8 hrs. fieldwork.)
Prerequisites: PF12, PF20 and PF23. Corequisites: PF25 and current CPR certification.
A / 3 cr. hrs.

PF50-59 / PFS150-159
SPECIAL TOPICS IN FITNESS SPECIALIST
Special and current topics in fitness-related areas. Courses and/or content varies from year to year. Open to all students.
A / 1-3 cr. hrs. each

PHYSICAL THERAPIST ASSISTANT

Note: Enrollment in PT courses is limited to students officially admitted to the Physical Therapist Assistant program.

PT10 / PTA101
NORMAL MOVEMENT AND DEVELOPMENT
Concepts of normal motor control, locomotion, motor development and motor learning across lifespan. (3 hrs. lecture.)
Prerequisite: BY30. Corequisites: PT12, PT14, PH30.
A / 3 cr. hrs.
**PT12‡ / PTA103**

**PHYSICAL THERAPY SKILLS I**

Development of technical skill in delivery of physical therapy interventions including use of universal precautions, range of motion, transfer training, bed mobility, gait training, and monitoring vital signs. Addresses principles of body mechanics. Develops appreciation of architectural barriers and impact on disability. (3 hrs. laboratory.) Prerequisite: BY30. Corequisites: PT10, PT14, PH30. A / 1 cr. hr.

**PT14 / PTA105**

**INTRODUCTION TO PHYSICAL THERAPY**


**PT20‡ / PTA201**

**FOUNDATION OF DISEASE**


**PT22‡ / PTA203**

**PHYSICAL THERAPY SKILLS II**


**PT24‡ / PTA205**

**PHYSICAL AGENTS I**

Principles and techniques related to use of superficial thermal modalities and hydrotherapy in Physical Therapy. Teaches wound/burn management and data collection procedures/tools for monitoring change in pain, inflammation, edema and skin integrity. (1 hr. lecture, 2 hrs. laboratory.) Prerequisites: BY30, PT10, PT12, PT14, PH30. Corequisites: BY32, BY46, PT20, PT22. A / 2 cr. hrs.

**PT26‡ / PTA215**

**INTRODUCTION TO CLINICAL PRACTICE**

Principles of patient management. Provides opportunity to apply first year knowledge and skills in a clinical environment with variety of patients. This is an off-site course. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. laboratory.) Prerequisites: BY32, BY46, PT20, PT22, PT24. A / 1 cr. hr.

**PT30‡ / PTA230**

**PHYSICAL AGENTS II**

Principles and techniques related to use of deep heating, mechanical, chemical and electrical physical agents in Physical Therapy. (1 hr. lecture, 2 hrs. laboratory.) Prerequisite: PT26. Corequisites: PT32, PT34, PT36. A / 2 cr. hrs.

**PT32‡ / PTA232**

**KINESIOLOGY**

Anatomy as it relates to posture and human motion with emphasis on muscle function and biomechanics. Skills include palpation of bony prominences, muscles and ligaments and stretching of specific muscles. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisite: PT26. Corequisites: PT30, PT34, PT36. A / 3 cr. hrs.

**PT34‡ / PTA234**

**PHYSICAL THERAPY SKILLS III**

Collection of data in physical therapy as it relates to joint range of motion and flexibility, muscle strength and soft tissue extensibility. Skills include goniometry, manual muscle testing and soft tissue mobilization/massage. (2 hrs. laboratory.) Prerequisite: PT26. Corequisites: PT30, PT32, PT36. A / 1 cr. hr.

**PT36‡ / PTA236**

**CLINICAL AFFILIATION I**

Skills to enhance patient management including workplace behaviors, interpersonal communication, time/stress management, chart reading, patient education, supervision, monitoring response/change in function, discharge planning and variation/progression of interventions within Physical Therapist’s plan of care. Clinical component of course provides clinical practice in local physical therapy departments. Registration in this course requires that students purchase liability insurance through the college. (1 hr. lecture, 8 hrs. clinical.) Prerequisite: PT26. Corequisites: PT30, PT32, PT34. A / 3 cr. hrs.

**PT40 / PTA240**

**ADVANCED THERAPEUTIC EXERCISE**

Common musculoskeletal/neuromuscular/cardiorespiratory pathologies and physical therapy management through therapeutic exercise. Discusses orthotic and prosthetic devices. Skills include application of McConnell and athletic tape, stump wrapping and postural drainage techniques. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: PT30, PT32, PT34, PT36. Corequisite: PT42. A / 3 cr. hrs.

**PT42‡ / PTA242**

**CLINICAL AFFILIATION II**

Administrative issues of a physical therapy department including reimbursement, utilization management/continuous quality improvement, and risk management/liability. Discusses legislation impacting physical therapy as well as topics of abuse, pro bono care, sexual harassment and wellness/prevention. Students develop a career plan. Clinical component of course provides clinical practice in local physical therapy departments. Registration in this course requires that students purchase liability insurance through the college. (1 hr. lecture, 25 hrs. clinical.) Prerequisites: PT30, PT32, PT34, PT36. Corequisite: PT40. A / 8 cr. hrs.
Non-calculus courses designed for technical careers students, e.g., Construction, Electrical and Telecommunications Technology.

PH90-99 Courses designed for technical careers students.

PH10-19 Non-calculus college physics courses primarily designed for pre-med, pre-dental, physical therapy, chiropractic, life science and liberal arts majors.

PH30-39 Courses designed for health careers students.

PH50-59 Calculus-based courses designed for physics and engineering students. Math, computer science, chemistry and liberal arts science majors should take these courses UNLESS the institution they plan to transfer to accepts physics at a lower level.

PH51-54 / PH110
AUTOMOTIVE PHYSICS
Basic course which acquaints ASEP students with some fundamental aspects of physics. Covers Newtonian dynamics including conservation of energy and momentum, and rotational motion. In addition, selected topics in strength of materials, fluids and thermodynamics are covered. Emphasis on applications to automotive system. Prerequisite: MA07.

A / 4 cr. hrs.

PH24‡ / PH112
TECHNICAL PHYSICS
Acquaints students in Mechanical and Electrical Technology programs with fundamental aspects of physics. Study of Newton’s Laws of Motion and their applications, principles of conservation of energy and momentum, and rotation and rotational dynamics. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: MA41.

A-G / 4 cr. hrs.

PH30‡ / PH115
TECHNICAL PHYSICS FOR HEALTH CAREERS
For physical therapist assistants and students in other health technologies. Includes application of principles of equilibrium to human muscular system; study of work and energy; electricity and magnetism and their relation to physical therapy equipment, heat, wave motion, atomic radiation and light. (3 hrs. lecture, 1 hr. recitation, 2 hrs. laboratory.) Prerequisite: MA27 or equivalent.

A / 4 cr. hrs.

Note: PH30 does not satisfy prerequisite for PH54.

PH37‡ / PH120
GEOMETRIC AND PHYSICAL OPTICS
Fundamental principles of geometric optics, with somewhat less detailed coverage of physical optics. Geometric optics begins with law of mirrors and Snell’s law; reflection and refraction caused by both plane and spherical surfaces follow. Thin and thick lenses covered in great detail, as well as systems of lenses (microscopes and telescopes). Two-slit and thin film interference and single-slit diffraction are final topics covered in depth. Photometry, polarization and dispersion covered briefly. (4 hrs. lecture/recitation, 3 hrs. laboratory.) Prerequisite: MA27. G / 4 cr. hrs.

PH41-44 / PH241-244
SPECIAL TOPICS IN PHYSICS
Special and current topics in physics. Content varies from year to year. A / 3-4 cr. hrs. each

PH41‡ / PH241
RESEARCH PRACTICUM
Special topics course research experience at Brookhaven National Laboratory (BNL) for engineering and technical students. Students work on constructing a new beam line at the National Synchrotron Light Source (NSLS), or work on the Relative Heavy Ion Collider (RHIC). They learn basic vacuum techniques, some aspects of elementary electronics, and safe use of hand tools. They also take BNL radiation safety course and learn whatever is necessary to accomplish the portion of the work assigned to Suffolk County Community College. This portion varies depending on number of students involved and their respective backgrounds. (1 hr. lecture, 4 hrs. laboratory.) Prerequisite: PH74, or TE24 and TE28, or permission of instructor.

A / 3 cr. hrs.

PH53-54‡ / PH101-102
COLLEGE PHYSICS I AND II
Two-semester college physics sequence for liberal arts, life science and physical therapy majors designed to acquaint students with basic concepts of physics. Topics covered include mechanics, sound, light, heat and electricity. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisite: MA61 or equivalent (for PH53); PH53 (for PH54.) A-G / 4 cr. hrs. each

PH71‡ / PH130
PHYSICS I LAB
Mechanics laboratory. (2 hrs. laboratory.) Corequisite: PH71.

A / 1 cr. hr.
PH73‡ / PHY230
PHYSICS II
Introduction to electricity and magnetism, Coulombs Law, Gauss’s Law, potential, Lenz’s Law, Ampere’s Law, Faraday’s Law, inductance, magnetic materials. (4 hrs. lecture/recitation.) Prerequisite: MA88, PH71. Corequisite: PH74, MA89. A / 3 cr. hrs.

PH74‡ / PHY232
PHYSICS II LAB
Elementary circuits laboratory, DC circuits, ammeters, voltmeters, mesh and loop equations, Thevenin’s theorem, superposition, impedance matching, transients, impedance. (2 hrs. laboratory.) Corequisite: PH73. A / 1 cr. hr.

PH75‡ / PHY245
PHYSICS III
Thermodynamics, waves, group and phase velocity, Fourier Serif, oscillation in physical systems, AC circuit theory, Maxwell’s Equations, electromagnetic waves, and geometrical and physical optics. (4 hrs. lecture/recitation.) Prerequisites: MA90, PH73 and PH74. Corequisites: PH76 and MA89. A / 3 cr. hrs.

PH76‡ / PHY246
PHYSICS III LAB
AC circuit theory, waves, physical optics, and special topics in electromagnetic waves and electronics. (2 hrs. laboratory.) Corequisite: PH75. A / 1 cr. hr.

PH77‡ / PHY247
PHYSICS IV
Special Theory of Relativity, photoelectric effect, black body radiation, Planck’s relationship, Bohr atom, introduction to wave mechanics, Schrödinger equation, atomic spectra and structure, introduction to nuclear physics and particles. (4 hrs. lecture/recitation.) Corequisites: PH75, PH76 and PH78. A / 3 cr. hrs.

PH78‡ / PHY248
PHYSICS IV LAB
Contains modern physics labs such as spectroscopy, measurement of radioactive decay, and Thomson measurement of e/m. Emphasizes study of transistor circuits and elementary amplifier design. In addition, further study in matrix operations and Fourier and Laplace Transforms included. (3 hrs. laboratory.) Prerequisites: MA89 and MA90. Corequisite: PH77. A / 1 cr. hr.

POLICE ADMINISTRATION
Courses offered at or through the Suffolk County Police Academy.

PD11 / POA110
THE ADMINISTRATION OF CRIMINAL JUSTICE
Court structure, courtroom testimony, laws of evidence and arrest, search and seizure, justification for use of force, confession and admissions and related subjects. G / 3 cr. hrs.

PD13 / POA113
PHYSICAL EDUCATION AND DEFENSIVE TACTICS
Enables students to perform various exercises designed to improve cardiovascular endurance, muscular strength and flexibility. Also includes use of physical force for defensive purposes and to control actions of unruly persons. Training consists of various F.B.I.-approved defensive tactics. Proper nutrition also stressed. Does not count toward graduation. G / 3 cr. hrs.

PD15 / POA115
PATROL FUNCTIONS AND PROCEDURES
Vehicle and foot patrol procedures, police radio communications, hazardous materials, emergency service, gas and electrical emergencies, death notification, crimes and incidents in progress, role-playing in routine and unusual situations confronting police officers. G / 3 cr. hrs.

PD21 / POA121
CRIMINAL INVESTIGATIONS
Familiarization with specialized services such as crime laboratory, juvenile services, organized crime, medical examiner, canine patrol, etc. G / 3 cr. hrs.

PD22 / POA122
FIRST AID – CPR
Instruction in total emergency cardiac care system: check and evaluate vital signs, manage airway and remove obstructions, and correctly perform cardiopulmonary resuscitation alone and/or with another rescuer. Also proper first aid to be rendered in various emergency situations. G / 3 cr. hrs.

PD31 / POA131
CRIMINAL LAW AND PROCEDURE
Basic criminal law and procedure, definitions, and elements pertaining to appropriate degree and/or appropriate affirmative defenses. Crimes included but not limited to arson, assault, burglary, homicide, robbery, kidnapping, sex offenses, larceny and related offenses. G / 6 cr. hrs.

PD55 / POA155
COMMUNITY RELATIONS FOR POLICE
Draws upon behavioral and social sciences to help prospective police officers recognize and deal with disturbed and violent people, potential suicides, alcohol abusers, sudden infant death syndrome, crisis intervention, etc. Also includes dealing with stress, sensitivity to human rights, ethics, and relations with citizens of diverse racial, ethnic, religious backgrounds. G / 3 cr. hrs.

PD91 / POA191
CRIMINAL JUSTICE INTERNSHIP
A form of on-the-job training; highly structured and geared to duties and responsibilities inherent in enacting the police role. Occurs after formal classroom training and typically involves assignment of one or more experienced police officers to new recruit personnel for purpose of providing real on-the-street training, evaluation and retraining. Ultimately, objective of program is to prepare recruit personnel for solo assignments in the field. G / 6 cr. hrs.
POLITICAL SCIENCE

PO15 / POL101
POLITICAL THOUGHT
Introduction to major issues in politics and society, including ethics, justice, freedom, law and use of power. Selections from major political thinkers discussed and related to current political and social issues. No prerequisite. A-G / 3 cr. hrs.

PO20 / POL103
STATE AND LOCAL POLITICS AND GOVERNMENT
Introduction to state and local governments, their institutions, processes by which they govern and political environments in which they operate. Includes current challenges state and local governments face due to changes in their relationship with national government and shifting policy needs. No prerequisite. A-E-G / 3 cr. hrs.

PO25 / POL105
AMERICAN NATIONAL POLITICS AND GOVERNMENT
Introduction to national political process which explores institutions and political environment in which they operate. In addition to historical development of American government, course also includes current issues that impact future of the government and the people it serves. No prerequisite. A-E-G / 3 cr. hrs.

PO40 / POL107
WORLD POLITICS
Study of nation-state system and nations’ struggle for power; pursuit of self-interest through use of war and peace; search for national security, economic growth, international prestige and status; and management of conflicts between rich and poor nations. Contemporary approaches to study of world politics reviewed. No prerequisite. A-E-G / 3 cr. hrs.

PSYCHOLOGY

PC11 / PSY101
INTRODUCTION TO PSYCHOLOGY
Principles of human behavior as determined by scientific method. Includes compressed treatment of basic principles of learning, motivation, sensation and perception, and selected topics in physiological psychology, childhood, adolescence and adulthood, human motivation, emotion, behavior disorders and adjustment. A-E-G / 3 cr. hrs.

PC15 / PSY105
APPLIED PSYCHOLOGY
Applied presentation of psychological background and viewpoints to understanding human behavior in such areas as learning, mental health and adjustment, business and industry, consumerism and political issues. A-E-G / 3 cr. hrs.

PC20 / PSY201
BRAIN AND BEHAVIOR
Second semester of scientific study of human behavior. Stresses biological basis for behavior, physiological background of motivation, theories of learning, thinking, behavior genetics, theories of personality, psychopathology, and recent research and developments in psychology. Recommended for students who plan to major in behavioral sciences at baccalaureate institutions. Prerequisite: PC11. A-E-G / 3 cr. hrs.

PC41-44A / PSY240-243A
PC45-47G / PSY244-246G
PC48-50E / PSY247-249E
SPECIAL TOPICS IN PSYCHOLOGY
Special topics in psychology. Content varies from year to year. A-E-G / 3 cr. hrs. each

PC41 / PSY240
RESEARCH METHODS IN THE SOCIAL SCIENCES
Special topics online course open to all psychology and sociology majors who have completed PC11 or SO11. Transferable to SUNY at Stony Brook as well as other four-year institutions. Familiarizes students with various research methods and statistical analysis of data that social scientists use to study human behavior, as individuals and groups. Emphasizes “practical side of research” rather than discussion of more abstract issues found in methodology and philosophy of science or statistics courses. Prerequisite: PC11 or SO11. A / 3 cr. hrs.

PC52 / PSY202
SPORTS PSYCHOLOGY
Explores topical issues related to sports from several perspectives—those of individual athletes, coaches, sports psychologists, trainers, sports managers and that of the larger society. Issues discussed include goal setting for peak performance, motivation, competitive stressors, visualization, burnout and drug abuse, as well as issues of race and gender as they relate to stereotyping, participation and opportunity structure. Prerequisite: PC11. A / 3 cr. hrs.
PC55 / PSY205
HEALTH PSYCHOLOGY
Health psychology is an area within psychology devoted to understanding influence psychological factors have on health maintenance, etiology of illness and how people react when they do become ill. Concerned with all psychological aspects of health and illness. Exposes students to such diverse topics as impact of life stress and life events on physical and psychological health status, stress management, health maintenance behaviors (e.g., diet and exercise), and how to get people to improve their health and change health-damaging behaviors such as smoking and alcoholism. Prerequisite: PC11. G / 3 cr. hrs.

PC60 / PSY210
DEVELOPMENTAL PSYCHOLOGY
Study of human developmental processes. Examines origin and development of physical, emotional, intellectual and social competencies across the life span. Research, practical applications and a variety of theoretical approaches are presented. Prerequisite: PC11. A-E-G / 3 cr. hrs.

PC61 / PSY211
THE PSYCHOLOGY OF ADULTHOOD AND AGING
Investigates progress of human development throughout adulthood and later life, primarily from psychological perspective. Although most of human lifespan is spent as an adult, developmental psychology courses, because of time constraints, either stop at adolescence or give short shrift to what follows it. This course enables students to understand psychological as well as sociological and anthropological aspects of the process of becoming an adult and aging. Prerequisite: PC11. A-E-G / 3 cr. hrs.

Note: Credit given for PC61 or SO60, but not both.

PC63 / PSY213
THE EXCEPTIONAL CHILD
Introduces students to needs, abilities and prognosis for children who are mentally retarded, hyperactive, emotionally disturbed, physically disabled, gifted and talented, learning disabled, or possess speech, hearing and visual impairments. Psychological, educational, parental, legal and medical considerations are explored. Prerequisite: PC11. A-E-G / 3 cr. hrs.

PC64 / PSY214
CHILD AND ADOLESCENT PSYCHOLOGY
Examines major theories of child and adolescent psychology. Emphasis on physical, cognitive, social, moral and emotional development as child progresses through various stages of development. Issues explored include the family, peer group influence, and role of the school. A-E-G / 3 cr. hrs.

PC66 / PSY216
SOCIAL PSYCHOLOGY
Study of social interaction at several levels including personal perception and impression management, affiliation and attraction, aggression and pro-social behavior, attitude formation and change, group behavior and conformity, and social interaction in a changing society. Prerequisites: PC11 and SO11. A-E-G / 3 cr. hrs.

PC70 / PSY220
EDUCATIONAL PSYCHOLOGY
Understanding and applying methods of psychology to problems encountered in teaching/learning situations. Prepares way for professional understanding and insight into problems encountered in the contemporary classroom. Prerequisite: PC11. A-E-G / 3 cr. hrs.

PC80 / PSY215
ABNORMAL PSYCHOLOGY

PC88 / PSY218
THEORIES OF PERSONALITY
Examination of different approaches to an understanding of human personality through study of such theories as the behavioristic, psychoanalytical (including both Freud and Neo-Freudians), phenomenological, type and trait; consideration of their contribution to a clear and intelligible understanding of the human organism as an apparently integrated being. Prerequisites: 6 credits in psychology, or PC11 and permission of instructor. E-G / 3 cr. hrs.

RADIO AND TELEVISION PRODUCTION
RT11 / RTV101
INTRODUCTION TO BROADCASTING
Studies social impact of broadcasting through historical examination of origins of radio and television. Such issues as programming, audience measurement, advertising, public broadcasting and cable casting are approached from their economic and cultural influences. Field trips and guest speakers. No prerequisite. A / 3 cr. hrs.

RT12 / RTV102
 ISSUES IN BROADCASTING
Seminar dealing with crucial contemporary issues in broadcasting and cable television fields. Relationship of these issues to past, present and future of industry discussed. Students required to perform research projects and provide oral reports. Prerequisite: RT11. A / 3 cr. hrs.
RT21‡ / RTV111
RADIO PRODUCTION
Production principles and setups for specific programs: deejay, live music, drama (sound effects), interview and remote sports. Procedures in manipulation of studio equipment: microphones, audio mixing consoles, turntables, reel-to-reel, cartridge tape machines and remotes. Production hours assigned. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisite: matriculation in Radio and Television Production curriculum. A / 3 cr. hrs.

RT22‡ / RTV122
ADVANCED RADIO PRODUCTION
Teaches advanced digital audio production and recording techniques. Uses digital audio recording, editing and playback technology to produce products such as public service announcements, commercials, station imaging campaigns, documentaries and news productions. Multi-track audio editing is used for music and commercial production. Explores format and development of production projects and examines contemporary industry product for technique and style of production. Prerequisite: RT21. A / 3 cr. hrs.

RT25‡ / RTV115
ANNOUNCING
Training in all aspects of radio and television announcing: news reading, commercials, drama and music continuity, ad lib. Prerequisite: RT21. A / 3 cr. hrs.

RT31-32‡ / RTV121-122
TELEVISION PRODUCTION I AND II
Production techniques of TV director, producer and operational staff in execution of programs, news, interviews, documentaries, special events, video tape operation, graphics, cameras and composition, camera, set-up, switching, sound, lighting; rotation in all production positions. RT31 stresses equipment operations and RT32 emphasizes role of producer/director. Hands-on operations stressed in practical production experience. Production hours assigned. (2 hrs. lecture, 2 hrs. laboratory.) Prerequisite: RT21. A / 3 cr. hrs. each

RT35 / RTV125
BROADCAST COPY AND SCRIPT WRITING
Analysis and writing of radio and television copy. Scripts studied include broadcast news, commercials, documentaries, special events and drama. Commercials and original copy are utilized. Prerequisites: EG11 and matriculation in Radio and Television Production curriculum. A / 3 cr. hrs.

RT41 / RTV201
ELECTRONIC MEDIA MANAGEMENT
Broadcast managerial concerns such as ascertainment of community problems and demographic features, audience measurement, programming, sales and promotion, independent/network affiliation. Resume writing and interview preparation for entry-level positions. Prerequisite: RT21. A / 3 cr. hrs.

RT43‡ / RTV203
ELECTRONIC FIELD PRODUCTION
Teaches skills involved in development of materials for television news and public affairs “magazine” programs. Hands-on experience provided in areas of production planning, on-location shooting and recording, and video tape editing. Prerequisites: CN19 and RT31. A / 4 cr. hrs.

RT44‡ / RTV204
VIDEO EDITING
Technology, techniques and theory of television post-production. Students work with computer-based non-linear editing systems. Variety of projects designed to approximate industry editing requirements required. Teaches reading of waveform monitor and vector scope, and alignment of editing system. Field trips to local editing facilities. Prerequisite: RT43. A / 4 cr. hrs.

RT46-49 / RTV240-243
SPECIAL TOPICS IN RADIO AND TELEVISION PRODUCTION
Special and current topics in radio and television. Content varies from year to year. A / 3-4 cr. hrs. each

RT50, 51 / RTV250, 251
INTERNSHIP IN VIDEO AND SOUND
Field work in broadcasting or cable television environment. Student obligations to be agreed upon in internship contract. Supervising faculty hold periodic meetings with student interns and their supervisors to coordinate intern performance. Students have obligation of 150 hours of field work and periodic class/discussion meetings. Registration in these courses requires that students purchase liability insurance through the college. Prerequisites: matriculation in Radio and Television Production curriculum and successful completion of 6 or more RT credits with grade of B or better. A / 4 cr. hrs. each

READING

I. Placement
Incoming students are initially placed in RE09 (with RELA: Reading Laboratory) or RE10 (with RELB: Reading Laboratory) on the basis of the SCCC College Placement Test (CPT) score and high school record.

II. Course Selection after the First Semester
1. It is expected that those students initially placed in RE09/RELA will enroll in RE10/RELB the following semester in order to complete the developmental sequence.
2. Those students initially placed in RE10/RELB should follow the degree requirements of their curriculum as listed in the college catalog. Students who have additional questions about course selection after completion of RE10/RELB should consult members of the Reading faculty at their home campus.
RE09 with RELA (Reading Laboratory) / RDG098
INTRODUCTION TO COLLEGE READING
Provides individual and small group instruction in basic reading and study skills. Involves intensive instruction geared to develop higher level of competences to assure success in subject classes and allow entry into RE10. Requires completion of 12 clock hours of individualized laboratory work for improvement of specific skill needs, accomplished by mandatory simultaneous enrollment in a section of RELA (a 50-minute-per-week non-credit reading laboratory). Graded on a S-R-U-W basis. Not applicable toward any degree or certificate. Corequisite: RELA.
   A-E-G / 3 hrs.

RE10 with RELB (Reading Laboratory) / RDG099
READING IN THE CONTENT AREAS
Enhances basic reading skills necessary for successful completion of other content area courses. Develops ability to read and study textbook materials effectively; discover main ideas in paragraphs; discover meaning through use of absolute and conditional language; note details and make inferences; recognize structural devices in sentences and paragraphs; draw conclusions; outline and summarize; take notes from written and oral material; use proper form and style for research paper writing; develop vocabulary; prepare for and take exams; and develop study skills. Requires completion of 12 clock hours of individualized laboratory work for improvement of specific skill needs, accomplished by mandatory simultaneous enrollment in a section of RELB (a 50-minute-per-week non-credit reading laboratory). Graded on S-R-U-W basis. Not applicable toward any degree or certificate. Corequisite: RELB.
   A-E-G / 3 hrs.

RE11 / RDG101
ADVANCED COLLEGE READING
Develops advanced reading skills that sharpen ability to read and comprehend longer-passage materials through knowledge of structure, style, content and author intent. Emphasis on ability to analyze material for levels of profundity; main idea; paragraph order – deductive, inductive, development by facts, description of a process, analysis, cause to effect, classification, comparison/contrast, analogy; vocabulary development through contextual clues and word analogies; denotative and connotative language; inference and judgment; and appropriate reading approach. Involves class lecture and discussion sessions. Can be used to satisfy liberal arts and sciences elective requirements.
   A-E-G / 3 cr. hrs.

RECREATION LEADERSHIP

Note: Enrollment in RA courses (except RA30 and RA40) is not limited to students officially admitted to the Recreation Leadership program.

RA14 / REC101
INTRODUCTION TO RECREATION SERVICES
Overview of history, philosophy, objectives, structure, functions and interrelationships of community, therapeutic, industrial and commercial recreation services. Principles of program planning and implementation. Requires 30 hours of volunteer work in approved community agency. Minimum grade of C required.
   A / 3 cr. hrs.

RA16 / REC111
COMMUNITY RECREATION
Theory and principles of leadership in recreation, park and leisure programs. Program development, assessment, and leadership techniques for recreation programs in public sector voluntary agencies, commercial and industrial settings. Minimum grade of C. Prerequisite or corequisite: RA14.
   A / 3 cr. hrs.

RA17 / REC131
ARTS AND CRAFTS FOR RECREATION SETTINGS
Principles and practices of organizing, instructing and maintaining effective visual arts programs in recreation settings. Emphasis on leadership technique and activity skills.
   A / 3 cr. hrs.

RA18 / REC132
MUSIC AND MOVEMENT FOR RECREATION SETTINGS
Music fundamentals for recreation leaders. Principles and practices of organizing, instructing and maintaining effective music programs in recreation settings.
   A / 3 cr. hrs.

RA19 / REC136
LEISURE COUNSELING
Principles and practices of organizing and leading leisure counseling programs in recreation settings. Emphasizes idea generation, creative skills, resource development and practical knowledge necessary to adapting these areas to various disability groups, ages and settings.
   A / 3 cr. hrs.

RA20 / REC120
SPECIAL POPULATIONS IN THERAPEUTIC RECREATION
Needs and nature of special populations in therapeutic recreation settings and role of recreation therapist in leading activities with persons who are hospitalized, children, elderly, physically disabled, developmentally disabled, emotionally disturbed, substance abusers or social deviants. Roles of recreation therapist, activities therapist and health care team also discussed. Minimum grade of C required.
   A / 3 cr. hrs.

‡ Course Fee
RA21 / REC121  
**THERAPEUTIC RECREATION PROCESS**  
Orientation to history, philosophy and development of therapeutic recreation services for special populations in both institutional and community settings. Includes therapeutic recreation process, professional development, ethics, assessment, activity planning, activity adaptation and documentation techniques. Minimum grade of C required. Prerequisite: RA14. Pre- or corequisite: RA20.  
A / 3 cr. hrs.

RA30 / REC201  
**FIELDWORK IN RECREATION LEADERSHIP I**  
Supervised field experience in a recreation program, coordinated by college and approved cooperating agency, with required weekly group seminar. Emphasis on application of theory. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. lecture, 8 hrs. fieldwork.) Prerequisites: RA14 and either RA16 or RA20.  
A / 4 cr. hrs.

RA40t / REC203  
**FIELDWORK IN RECREATION LEADERSHIP II**  
Supervised field experience in a recreation program coordinated by college and approved cooperating agency. Emphasis on application of theory. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. lecture, 12 hrs. fieldwork.) Prerequisite: RA30.  
A / 5 cr. hrs.

Note: Enrollment in RA30 and RA40 is limited to students officially admitted to the Recreation Leadership program. Students must maintain a C average in all RA courses in order to be eligible for either RA30 or RA40 and must have completed a minimum of 30 credits in the curriculum.

RA68-69 / REC168-169  
**SPECIAL TOPICS IN RECREATION**  
Special and current topics in recreation. Content varies from year to year.  
A / 3 cr. hrs. each

**SOCIOLGY**

SO11 / SOC101  
**INTRODUCTION TO SOCIOLOGY**  
Fundamental principles and concepts of sociology including culture, interaction, norms, values, institutions, stratification and social change.  
A-E-G / 3 cr. hrs.

SO17 / SOC207  
**MODERN AMERICAN CULTURE**  
Macro-social trends of urbanization and industrialization in the United States from perspectives of social, political and economic institutions, attitudes and behavior patterns. Topics include division of labor, emergence of a national urban culture, and comparative modern institutions. Special topics may also include mass communication, collective behavior, and a demographic ecology. Prerequisite: SO11.  
A / 3 cr. hrs.

SO22 / SOC121  
**MODERN SOCIAL PROBLEMS**  
Examination of social problems generated in modern societies, chosen from among the following: deviant behavior, inequality, poverty, cults, ethnic and race relations, sexism, mental health, crime, drug and alcohol abuse. Prerequisite: SO11 or permission of instructor.  
A-E-G / 3 cr. hrs.

SO24 / SOC204  
**AMERICAN ETHNICS: NATIVE AND IMMIGRANT**  
Analysis of selected ethnic groups and their relationship to the dominant culture. Emphasis on historical, sociological, anthropological and psychological components which have brought about the group's unique ethnic identity. Prerequisite: SO11 or AN11.  
G / 3 cr. hrs.

SO33 / SOC203  
**MARRIAGE AND THE FAMILY**  
Institution of the family as it fulfills specific social and individual needs. Emphasis on modern American family; cross-cultural elements also treated. Particular topics include mate selection, socialization, marital and parental relationships, role of the state, divorce and remarriage. Prerequisite: SO11.  
A-E-G / 3 cr. hrs.

SO35 / SOC205  
**CRIMINOLOGY**  
In-depth analysis of social nature of crime. Particular emphasis on cultural origins of deviance. Topics include penology, social control and administration of justice. Prerequisite: SO11.  
A-E-G / 3 cr. hrs.

SO37 / SOC212  
**DEATH AND DYING**  
Study of various aspects of the dying process with emphasis on American society. Some areas of concern are theories of bereavement and grieving, attitudes toward death, social processes such as wakes and funerals, religious orientations, and forms of sudden death.  
G / 3 cr. hrs.

SO40 / SOC210  
**MEDICAL SOCIOLOGY**  
Explores such issues as the way in which education of health care professionals affects patient care and structures role requirements; factors determining treatment of mentally ill; legal, medical and social implications of major public health issues such as occupational health hazards and AIDS epidemic; and the feedback loop between society and medical technology. No prerequisite.  
A / 3 cr. hrs.

SO41-44A / SOC240-243A  
SO45-47G / SOC244-246G  
SO48-50E / SOC247-249E  
**SPECIAL TOPICS IN SOCIOLOGY**  
Special and current topics in sociology. Content varies from year to year.  
A-E-G / 3 cr. hrs. each

† Course Fee
SO55 / SOC215
THE SOCIOLOGY OF GENDER
Considers a number of gender-related questions facing U.S. society. What economic, social and cultural changes have modified traditional definitions of femininity and masculinity? How is gender socially constructed, reconstructed and deconstructed? Considers implications of changing gender roles for personal relationships among women, between women and men, and among men. How do women and men experience situations differently? Students learn about feminist movements, their impact on men's movements, and their implications for social change. Is there movement toward sexual equality? Explores cultural consequences of gender inequality in various institutions, and also examines intricate web of interrelationships between gender, race, class and age. Prerequisite: SO11. A-E-G / 3 cr. hrs.

SO60 / SOC220
SOCIOLOGY OF THE AGING
Comprehensive coverage of all aspects of aging in contemporary life. Social and economic forces that tend to make elderly people increasingly dependent with age are considered. Life for the aged is very much subject to the culture of which one is a part. Emphasis on social processes and social change to make students aware that certain conditions of old age are not static, but always subject to change. Social theories of aging are analyzed from perspective of their validity over time and across cultures, and their relative influence on development of social policies. Finally, course examines one's changing perceptions of self with age and role transitions. E / 3 cr. hrs.

Note: Credit given for SO60 or PC61, but not both.

SPANISH

(COURSE FEE FOR AMMERMANN AND GRANT CAMPUS ONLY)

SP11-12‡ / SPN101-102
ELEMENTARY SPANISH I and II
Introductory sequential courses in Spanish which develop four language skills of listening, speaking, reading and writing with emphasis on communicative competence. Introduce basic concepts of Spanish culture. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) SP11 is for students with little or no knowledge of Spanish; it is not appropriate for native/fluent speakers of Spanish – SP51 is recommended or see advisor. Prerequisite for SP12: SP11 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs. each

Note: Credit given for 1) either or both courses in the SP11-12 sequence or 2) SP13, but not for both options.

SP13‡ / SPN113
INTENSIVE ELEMENTARY SPANISH I AND II
Accelerated course covering elementary Spanish sequence (SP11 and SP12) in one semester. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) No prerequisite. A-E-G / 6 cr. hrs.

Notes: 1) This course is not appropriate for native/fluent speakers of Spanish – SP51 or SP55 recommended or see advisor. 2) May not be taken for credit after any other course in Italian.

SP20-21 / SPN120-121
BASIC CONVERSATIONAL SPANISH I AND II
Basic conversational courses for students with no background in Spanish which cover grammar and vocabulary useful for speaking and understanding Spanish at work, home and in other day-to-day environments. May not be used to fulfill language requirement for humanities, social science and general studies curricula or for transfer purposes. May be used to satisfy liberal arts, humanities or unrestricted elective requirements in other curricula. No prerequisite for SP20. Prerequisite for SP21: SP20 or equivalent. G / 3 cr. hrs. each

SP22 / SPN122
SPANISH TERMINOLOGY FOR HEALTH CARE PERSONNEL
Meets special linguistic needs of medical personnel and others who deal with Spanish-speaking clients in a health care setting. Basic linguistic and grammatical structures as well as vocabulary covered in context of medical/health-related situations. No prerequisite. (Does not fulfill foreign language requirements.) G / 3 cr. hrs.

SP51‡ / SPN201
INTERMEDIATE SPANISH I
Continues study of structures of Spanish with more intensive oral and writing practice. Introduces cultural and literary selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: SP12 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

SP52‡ / SPN202
INTERMEDIATE SPANISH II
Structured review focusing on oral and written communication. Introduces social, political and cultural aspects of Spanish world through analysis of wide range of authentic literary and cultural selections. Language laboratory requirement. (At Eastern Campus alternate activities substituted for laboratory sessions.) Prerequisite: SP51 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.
Spanish — Telecommunications Technology

SP55 / SPN125
SPANISH FOR SPANISH SPEAKERS
Meets special linguistic needs of native or fluent speakers of Spanish who would benefit from formal language instruction in Spanish. Emphasizes reading and writing skills as well as vocabulary building. Cultural awareness also stressed. A-E-G / 3 cr. hrs.

SP60 / SPN220
SPANISH CONVERSATION AND COMPOSITION
Advanced-level course focusing on development of oral and written communication skills within wide range of contexts and situations. Reviews specific grammatical structures, broadens general vocabulary and enhances correct pronunciation techniques to strengthen accuracy and precision in oral and written Spanish. Prerequisite: SP52 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

SP61 / SPN221
CULTURE AND CIVILIZATION OF SPAIN
Overview of culture and civilization of Spain through examination of literature, history and art forms, including film, music and mass media. Given in Spanish. Prerequisite: SP52 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

SP62 / SPN222
SURVEY OF MODERN SPANISH LITERATURE
Studies representative works of 20th and 21st century Spanish literature. Selections from prose, poetry and theater are read, analyzed and discussed. Given in Spanish. Prerequisite: SP52 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

SP63 / SPN223
ADVANCED SPANISH GRAMMAR AND COMPOSITION
Develops higher levels of proficiency needed to communicate effectively in academic and professional writing tasks. Focuses on expository writing techniques such as analysis, organization, editing and revision. Attention given to more detailed aspects of grammatical structure and expansion of more formal vocabulary. Prerequisite: SP52 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

SP66 / SPN 226
SURVEY OF MODERN LATIN AMERICAN LITERATURE
Studies representative works of 20th and 21st century Latin American literature. Selections from prose, poetry and theater are read, analyzed and discussed. Given in Spanish. Prerequisite: SP52 or fulfillment of equivalent high school placement requirement. (See guidelines chart under “Foreign Languages.”) A-E-G / 3 cr. hrs.

TELECOMMUNICATIONS TECHNOLOGY

TT12‡ / TEL112
ELECTRICAL CIRCUITS
Training in application of Ohm's law, Kirchhoff's laws, Thévenin's and Norton's theorem, and superposition related to analysis of DC and AC passive circuits. Includes RLC circuits, complex impedances, phases, resonance and transformers. (3 hrs. lecture, 2 hrs. laboratory.) Corequisites: MA41 and TT15. A / 4 cr. hrs.

TT15‡ / TEL115
COMPUTER APPLICATIONS IN TELECOMMUNICATIONS
Extensive training in basic computer orientation and use of computer as multimedia tool. A variety of software packages are related to the workplace to create documents, memos, spreadsheets, graphs, databases and presentations. Use of electronic mail and software is designed to enhance productivity in classroom and workplace. (2 hrs. lecture, 2 hrs. laboratory.) Corequisite: MA41 or equivalent. A / 3 cr. hrs.

TT20‡ / TEL220
TELECOMMUNICATIONS I: VOICE
Introduction to techniques, principles and terminology of voice telecommunications. Public and private networks are examined. Telecommunications equipment, switching and transmission technology are demonstrated. Frequency spectrum, modulation schemes and multiplexing techniques are explored. Lectures, interactive learning and demonstrations are employed. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisites: MA41, TT12 and TT15. Corequisites: TT22 and TT24. A / 4 cr. hrs.

TT22‡ / TEL222
ELECTRONICS I
Students are trained in physical principles underlying current carriers in semiconductor materials; static and dynamic characteristics of diodes and transistors; biasing methods and concepts of amplification; analysis of basic BJT and FET circuits; frequency response of one- and two-stage amplifiers; troubleshooting, and analysis by computer simulation. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisites: MA41, TT12 and TT15. Corequisite: MA42. A / 4 cr. hrs.

TT24‡ / TEL224
DIGITAL ELECTRONICS I
Covers topics related to number systems and codes, logic functions and Boolean algebra. IC building blocks are used in applications ranging from logic gates to flip-flops, counters, registers and arithmetic circuits. Algebraic reduction and mapping used to minimize Boolean expressions and combinational logic circuits. Computer simulation of digital circuits used to verify actual hardware setups. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisites: MA41, TT12 and TT15. Corequisites: MA42 and TT22. A / 4 cr. hrs.

‡ Course Fee
**THEATRE**

**TH11 / THR101**

UNDERSTANDING THEATRE

Introductory course developing appreciation for and understanding of theatre in all its facets throughout history up to the present. Through lecture/demonstration and attendance at college theatre productions, students are exposed to major components of theatre including historical aspects, playwrighting, acting, directing and designing. No prerequisite. A-E-G / 3 cr. hrs.

**TH15‡ / THR115**

BASIC THEATRE PRACTICE: STAGECRAFT

Principles and practices of scenic construction, painting, shifting, rigging and stage mechanics. Development of skills in safe use of hand and power tools and stage equipment. Students learn to read ground plans and working drawings. Production projects in association with staging a college play are required. No prerequisite. A / 3 cr. hrs.

**TH16‡ / THR116**

BASIC THEATRE PRACTICE: LIGHTING CRAFTS

Basic electricity necessary for using and maintaining stage lighting instruments and accessories. Safety practices are taught. Major topics include principles of lighting, types and functions of lighting instruments, manual and remote lighting controls. Experience offered in production practices in translating a lighting design for a specific script to the lighted stage. Included are reading designs, organizing setup period, preparation of charts, plugging, rigging, hanging, focusing of instruments and running the production. A / 3 cr. hrs.

**TH17‡ / THR117**

BASIC THEATRE PRACTICE: COSTUME CRAFTS

Basic sewing and costume construction. Includes simple maintenance of sewing equipment, organization of studio identification, use of supplies and characteristics, and treatment of natural and synthetic fabrics. Experience offered in analyzing and building costume design for a specific script into a finished costume. Includes pattern drafting, cutting and fitting. A / 3 cr. hrs.

**TH18‡ / THR118**

BASIC THEATRE PRACTICE: DRAFTING AND DESIGN

Elements and principles of design as related to the stage: scenery, props, costumes and lighting. Includes techniques of producing ground plans, elevation and renderings. (2 hrs. lecture, 2 hrs. laboratory.) No prerequisite. A / 3 cr. hrs.

**TH19‡ / THR119**

BASIC THEATRE PRACTICE: SOUND

Equipment, methods and practices used in production of sound for the stage. (2 hrs. lecture, 2 hrs. laboratory.) A / 3 cr. hrs.
Theatre

TH21 / THR105
ACTING I
Study and practice in basic techniques of acting. Application of theory through presentations of scenes, improvisations and exercises in class. No prerequisite. A-E-G / 3 cr. hrs.

TH22 / THR205
ACTING II
Concentrated study and practice of character creation through period and contemporary scene studies and class exercises. Prerequisite: TH21 or permission of instructor. A-E-G / 3 cr. hrs.

TH24 / THR206
ACTING FOR FILM AND TELEVISION
For advanced acting students to provide them with practical introduction to acting for the camera. Visual and audio techniques stressed through classroom exercises, demonstrations and simulated productions. Video and audio equipment utilized to assist student actors in the training process. Prerequisites: TH21 and TH22. A / 3 cr. hrs.

TH25‡ / THR125
DANCE FOR THEATRE
Instruction in theatrical dancing using modern creative style as a basis. Body movement and technical exercise for actors. Choreography, composition and rhythm. Production hours assigned. No prerequisite. (Laboratory hrs. assigned.) A / 3 cr. hrs.

TH27 / THR127
STAGE COMBAT
Provides students practical concentrated study in basics of stage fighting. Utilizing fencing to develop focus, coordination and safety, students progress through rapier and broadsword use to elementary hand-to-hand techniques. Culmination of studies is staged choreography, with partner, of classical fight scene to demonstrate competence in all disciplines. No prerequisite. A / 3 cr. hrs.

TH40 / THR210
AUDITION PREPARATION
Offers practical concentrated study in basics of auditioning from the research, selection and rehearsal of a repertoire of four contrasting monologues to the utilization of the rules of Stanislavski-based text and scene analysis as it applies to the art of the cold reading. Teaches importance of proper audition etiquette and professional conduct. Course culminates with a monologue presentation critiqued by Acting Department faculty. Prerequisites: TH21 and TH22. A / 3 cr. hrs.

TH41 / THR211
CLASSICAL THEATRE
Study of classical drama in relation to stage design, acting and other elements of theatre. No prerequisite. A / 3 cr. hrs.

TH42 / THR212
MODERN THEATRE
Study of contemporary drama in relation to stage design, acting and other elements of theatre. No prerequisite. A / 3 cr. hrs.

TH45 / THR131
NEW YORK THEATRE
Theatre appreciation based on experiencing actual professional theatrical productions in New York. Lecture/discussion focuses on aspects of theatre production and critiques of performances attended. Cost of theatre tickets and transportation is responsibility of each student. No prerequisite. A-E-G / 3 cr. hrs.

TH46-49 / THR240-243
SPECIAL TOPICS IN THEATRE
Special and current topics in theatre. Content varies from year to year. A / 3 cr. hrs. each

TH49 / THR243
THEATRE PORTFOLIO REVIEW
Special topics course focusing on in-depth analysis and final presentation of cumulative work. Additionally, course requires research into next desired level of training. Prerequisites for Acting Sequence (205-1): TH11, TH15, TH17, TH21, TH22, TH52 and TH53. Prerequisites for Technical Theatre Sequence (205-2): TH11, TH15, TH16, TH18, TH21, TH52 and TH53. A / 1.5 cr. hrs.

TH51 / THR151
THEATRE WORKSHOP
Experiences in various aspects of production. Projects for class may be one-act plays or scenes from plays, musicals or operas. May be repeated once for credit. Prerequisite: permission of instructor. A-E-G / 3 cr. hrs.

TH52-55‡ / THR152-155
PRODUCTION LABORATORY I-IV
Learning through doing is goal of Production Laboratory. Practical experience in theatre is achieved by successfully completing a cast or crew assignment on one of college’s theatre productions. Production areas include acting, scenic construction, stage lighting, costume construction, sound properties, house and publicity, and makeup. (Note: students who take more than one semester of rehearsal and performance work in a variety of production areas.) Specific assignments to production areas are made by instructor of TH52-55 based on student requests and production needs. A-G / 2 cr. hrs. each

‡ Course Fee
VETERINARY SCIENCE TECHNOLOGY

VS12‡ / VST101
INTRODUCTION TO ANIMAL TECHNOLOGY
Survey course introducing terminology and specializations of animal technology field. Lectures and demonstrations include role of veterinary technician; career opportunities; safety, ethics and humane treatment of animals; information related to different classifications and breeds of animals; principles and practices of animal care in clinics, hospitals and research laboratories; handling and restraint of large, small and research animals; legal regulations, state and federal laws. Requires two field visits to observe professions in animal health field. Students must demonstrate proof of current tetanus inoculation and provide own transportation to off-campus field experiences. (1 hr. lecture, 2 hrs. laboratory.)

G / 2 cr. hrs.

VS13‡ / VST102
COMPARATIVE ANATOMY OF DOMESTICATED ANIMALS
In-depth discussion of basic principles of comparative anatomy of domesticated animals for each organ system. Laboratories involve dissection of cat, rat, chicken and various preserved organ specimens. Anatomical CD-ROM simulations used to supplement and enhance learning experience. (2 hrs. lecture, 3 hrs. laboratory.)

G / 3 cr. hrs.

VS21‡ / VST201
LABORATORY ANIMAL TECHNOLOGY
Prepares students for careers as laboratory animal technicians. Topics focus on theoretical and practical aspects of husbandry, restraint, and handling of commonly used research animals. Includes preparation of students for more advanced course work in Veterinary Science Technology curriculum by emphasizing aspects of medical terminology and pathology and by accustoming students to manipulation of living animals. Safety and humane treatment emphasized throughout course. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: VS12 and VS13, or permission of department.

G / 3 cr. hrs.

VS22 / VST114
VETERINARY PRACTICE MANAGEMENT
Principles involved in operating a veterinary practice. Legal aspects of practice are discussed as well as methods of managing personnel, financial responsibilities, ordering drugs and supplies, keeping inventory and bookkeeping. Students use illustrations from actual practices and become familiar with forms currently in use. The computer and its impact and use in veterinary medicine are discussed. Hands-on experience is obtained. (2 hrs. lecture.)

G / 2 cr. hrs.

VS23‡ / VST112
COMPARATIVE PHYSIOLOGY OF DOMESTICATED ANIMALS
Basic physiological systems and their interrelationships in mammalian and avian species. Lectures compare and contrast basic systems (neuromuscular, skeletal, cardiovascular, respiratory, digestive, urinary, reproductive, endocrine and immune). Laboratories focus on quantitative measurement of physiological parameters. CD-ROM simulations used to supplement and enhance learning experience. (3 hrs. lecture, 3 hrs. laboratory.) Prerequisites: VS13 and CH21, or permission of department.

G / 4 cr. hrs.

VS24 / VST205
PHARMACY AND PHARMACOLOGY
Focuses on aspects of pharmacy and pharmacology important to practicing veterinary technician. Major topics include proper handling, storage and dispensing of pharmaceuticals. Drug action, appropriate drug selection, and calculations of various drug dosages are taught. (2 hrs. lecture.) Prerequisite: VS13 or permission of department.

G / 2 cr. hrs.

VS31‡ / VST203
ANIMAL CLINIC INTERNSHIP I

VS43‡ / VST121
ANIMAL CLINIC INTERNSHIP II
Two-course sequence providing supervised applied training in veterinary animal hospital or animal research facility for each semester. Through these supervised training experiences students develop their skills as animal technicians. Performance is evaluated by supervising veterinarian or facility manager. Students required to provide their own transportation to off-campus field experiences. Registration in these courses requires that students purchase liability insurance through the college. (1 hr. lecture, 8 hrs. clinical experience.) Prerequisites: VS34 and BY42 or permission of department.

G / 3 cr. hrs. each

VS32‡ / VST202
CLINICAL LABORATORY TECHNIQUES I
Various aspects of veterinary hematology which are important to the LVT. Lecture topics provide background anatomy, physiology, biochemistry and pathophysiology necessary for comprehensive understanding of procedures covered in laboratory portion of course. Laboratory sessions concerned primarily with collection, storage, handling and analysis of blood. Registration in this course requires that students purchase liability insurance through the college. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisite: VS23 or permission of department.

G / 3 cr. hrs.
VS3‡ / VST206
**VETERINARY CARDIOLOGY AND RADIOLOGY**
Prepares students for participation in two important areas of diagnostic technology. Cardiology portion enables students to understand and participate in process of cardiovascular evaluation; emphasis on electrocardiography. Radiology portion imparts knowledge of X-ray machinery and use, film processing, patient positioning and safety. (3 hrs. lecture, 2 hrs. laboratory.) Prerequisite: VS23. G / 4 cr. hrs.

VS4‡ / VST111
**FARM ANIMAL NURSING**
Laboratory hands-on course providing students with necessary technical skills and knowledge to function as farm animal nurses. Familiarizes students with proper handling techniques and procedures such as restraint, collection of specimens, and medication of farm animal species. Students required to provide their own transportation to off-campus field experiences. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: VS12 and VS13 or permission of department. G / 3 cr. hrs.

VS4‡ / VST216
**SURGICAL NURSING AND ANESTHESIOLOGY**
Prepares students to monitor veterinary patient throughout all aspects of anesthesia and surgery. Responsibilities include daily monitoring of patient, and pre-surgical assessments through post-surgical care. Different forms and levels of anesthesia are reviewed. Emphasis on practical patient care includes maintenance of surgical instrumentation and monitoring equipment. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: VS32 and BY43, or permission of department. G / 3 cr. hrs.

VS4‡ / VST212
**CLINICAL LABORATORY TECHNIQUES II**
Major topics of veterinary clinical pathology not covered in VS32. Focus on urology, clinical chemistry, clinical enzymology, clinical serology, digestive function tests, laboratory microbiology and laboratory parasitology. Laboratory sessions concerned with collection, storage and handling of laboratory specimens, and performance of analytical procedures. (2 hrs. lecture, 3 hrs. laboratory.) Prerequisites: VS32 and BY43, or permission of department. G / 3 cr. hrs.

VS4‡ / VST213
**ANIMAL CLINIC INTERNSHIP II**
See VS31. G / 3 cr. hrs.

**VISUAL ARTS**

VA11 / ART110
**ART OF THE WESTERN WORLD**
Introductory-level telecourse examining works of art that have come to define Western visual tradition from Ancient Greece to present day. Examines Western Art against backdrop of its time. Filmed across America and Europe, series enables students to experience selection of masterpieces of art and architecture through immediacy and impact of close-range camera. No prerequisite. A-E-G / 3 cr. hrs.

VA12 / ART101
**ART APPRECIATION**
Introductory course designed to identify major visual art forms. Includes examination of selected masterpieces through use of films, slides and field trips; also, experience with simple methods and materials to illustrate basic concepts, gain insight into the creative process, and cultivate aesthetic values. No prerequisite. A-E-G / 3 cr. hrs.

VA17 / AKT111
**ART HISTORY I**

VA18 / ART112
**ART HISTORY II**
Introductory survey of principal movements and trends in painting, sculpture and architecture from Renaissance to 20th century. (May be taken out of sequence.) No prerequisite. A-E-G / 3 cr. hrs.

VA19 / ART113
**MODERN ART**
Study of history of painting, sculpture and architecture from 1850 to the present. Emphasis primarily on art of the 20th century. Lectures supplemented with slides, film and museum and gallery trips. No prerequisite. A-E-G / 3 cr. hrs.

VA24‡ / AKT119
**COLOR**
Examines dimension of color in art from an historical perspective. Traces evolution of color theory and practice from early Renaissance to the present. Includes lectures with slide presentations and demonstrations directed toward obtaining consistent and controlled color effects. Also involves hands-on work with acrylic paints. Areas of study include theories of color harmony and contrast, color mixing and composition. (4 studio hrs. each week.) No prerequisite. E / 3 cr. hrs.

VA30‡ / ART130
**2D DESIGN**
Foundation course in two-dimensional design. Exploration of historical and contemporary concepts of space and pictorial composition. Studio problems employing elements of line, texture, shape, form and color. A basic course for painting, graphics, photography and commercial art. (4 studio hrs. each week.) No prerequisite. A-E-G / 3 cr. hrs.

‡ Course Fee
VA33† / ART133
DRAWING I
Introduction to fundamentals of drawing. Drawing of objects to develop student’s understanding of proportion, value, perspective, form and shape. Develops accurate observation, understanding and memory of key forms, properties of illumination, and effective use of drawing materials. (1 hr. lecture, 4 studio hrs. each week.) No prerequisite. 
A-E-G / 3 cr. hrs.

VA34† / ART134
DRAWING II
More detailed investigation of concepts explored in VA33: Drawing I. Investigation of various wet and dry drawing media. (1 hr. lecture, 4 studio hrs. each week.) Prerequisite: VA33. 
A-E-G / 3 cr. hrs.

VA35-36† / ART135-136
LIFE DRAWING I AND II
Centers on mechanics of graphically representing the figure and on principles of anatomy relevant to pictorial and sculptural composition. Attention to use of materials on individual basis. A foundation for both fine and commercial art. (1 hr. lecture, 4 studio hrs. each week.) Prerequisite for VA35: VA33; prerequisite for VA36: VA35. 
A-E-G / 3 cr. hrs. each

VA41-44A / ART151-154A
VA45-47G / ART155-157G
VA48-50E / ART158-160E
SPECIAL TOPICS IN THE VISUAL ARTS
Explores new trends, major developments or current happenings in the world of art. Content varies from semester to semester. 
A-E-G / 3 cr. hrs. each

VA43 / ART151
UNDERSTANDING CONTEMPORARY ART
Special topics course providing students opportunity to visit art galleries and major museums on Long Island and in New York City to gain basic understanding and appreciation of development of contemporary art and its roots. Students learn how to evaluate and critique works of contemporary art, its materials, concepts and presentation. No prerequisite. 
A / 3 cr. hrs.

VA55† / ART202
PAINTING I
Introduction to painting techniques in oil and other media. Explores perception of light, shadow and color and the rendering of these elements. (4 studio hrs. each week.) Prerequisite: VA33 or permission of instructor. 
A-E-G / 3 cr. hrs.

VA56, 57, 58† / ART203, 204, 205
ADVANCED PAINTING
Continued exploration of problems and skills explored in VA55, with an emphasis on developing independent work. (4 studio hrs. each week.) Prerequisite: VA55. 
A-E-G / 3 cr. hrs. each

VA59† / ART209
WATERCOLOR
Instruction in various techniques of watercolor painting, with reference to European and American traditions. (4 studio hrs. each week.) Recommended prerequisite: VA33. 
A-E-G / 3 cr. hrs.

VA60† / ART210
3D DESIGN
Foundation course in three-dimensional design. Exploratory problems that help develop understanding of and sensitivity to use of three-dimensional design fundamentals. Analysis of concepts as a basis for sculpture, ceramics, architecture and industrial design. (1 hr. lecture, 4 studio hrs. each week.) No prerequisite. 
A-E-G / 3 cr. hrs.

VA61† / ART161
CERAMICS I
Introduction to processes and materials of ceramics through exploration of functional and non-functional forms in clay. Students investigate nature of clay by creating forms with several handbuilding methods such as coilbuilding, slabbuilding and pinch pots, as well as introduction to potter’s wheel. Basic decorating, glazing and firing techniques explored. (4 studio hrs. each week.) No prerequisite. 
A-G / 3 cr. hrs.

VA62, 63, 64† / ART162, 163, 164
ADVANCED CERAMICS
Continued investigation of materials and processes of ceramics on a more technical level. Intensive study of skills learned in VA61. Students explore basics of glaze and clay body formulation and develop their skill on the potter’s wheel. (4 studio hrs. each week.) Prerequisite: VA61. 
A / 3 cr. hrs. each

VA65† / ART165
WHEEL-THROWN CERAMICS
Examines use of potter’s wheel in ceramic arts. Teaches students fundamental skills necessary to create wheel-thrown objects in clay. Students explore pottery wheel’s functions and care in order to utilize its many creative possibilities. Off-wheel techniques such as texturing methodologies, different glazing techniques and kiln firing skills also explored. (4 studio hrs. each week.) No prerequisite. 
A-G / 3 cr. hrs.

VA71† / ART171
SCULPTURE I
Introduction to fundamentals of sculpture emphasizing the figure. Various problems in form are explored. Emphasis on modeling techniques in clay and other materials. (4 studio hrs. each week.) No prerequisite. 
A-G / 3 cr. hrs.

VA72, 73, 74† / ART172, 173, 174
ADVANCED SCULPTURE
Continued investigation of skills and concepts learned in VA71. Students encouraged to develop their own direction in their work. (4 studio hrs. each week.) Prerequisite: VA71. 
A-G / 3 cr. hrs. each

‡ Course Fee
Visual Arts

VA80 / ART280
COOPERATIVE EDUCATION IN PHOTOGRAPHY AND GRAPHIC DESIGN
A one-hour seminar is held on campus each week and a minimum of 150 hours is spent working within photography or graphic design industries. Registration in this course requires that students purchase liability insurance through the college. (BU80 or ID80 may be substituted for VA80 with permission of department.) Prerequisites for Graphic Design majors: GR25 and permission of area dean and instructor. Prerequisites for Photographic Imaging majors: C+ or better grade in VA94 and if taken) VA96, or permission of instructor. (offered spring semester only) E-G / 3 cr. hrs.

VA81† / ART181
PRINTMAKING I
Basic printmaking techniques in a variety of graphic media. Introduction to intaglio processes such as etching, aquatint, dry point and wood cut. (4 studio hrs. each week.) No prerequisite. A / 3 cr. hrs.

VA82† / ART182
PRINTMAKING II
Continued investigation of materials and processes of intaglio such as engraving, softground, sugar lift and color printing. Refining of basic skills and exploration of the media. (4 studio hrs. each week.) Prerequisite: VA81. A / 3 cr. hrs.

VA89 / ART289
PORTFOLIO DEVELOPMENT AND ASSESSMENT
Capstone course in Visual Arts curriculum where students learn how to assemble their work into a professional portfolio. Covers preparation of slides, business and postcards, mounting and matting of artwork, and presentation techniques. Critiques are integral part of course. Culmination of course is presentation of student’s portfolio to panel of professors from Visual Arts program. Course restricted to Visual Arts majors in fourth semester. Prerequisites: enrollment in Visual Arts curriculum and VA35 or permission of Academic Chair. A-E-G / 1 cr. hr.

VA90 / ART114
HISTORY OF PHOTOGRAPHY
Photography’s contribution to the visual arts, focusing on individual photographers and development of particular styles. Relationship between photography and other fine art media considered, as well as effect of photographic imagery on our culture. (offered spring semester only) E-G / 3 cr. hrs.

VA91† / ART141
INTRODUCTION TO SILVER-BASED PHOTOGRAPHY
Introduction to art and techniques of the camera and darkroom. Students learn basic black and white available-light photography, including film exposure and development, variable contrast printing, enlarging and dry mounting. Students must provide their own fully adjustable 35mm camera (with manual f-stops and shutter speeds), film, paper and some other supplies. (4 hrs. lecture/lab per week.) No prerequisite.

VA92† / ART142
INTERMEDIATE PHOTOGRAPHY
Builds on basic camera and black and white darkroom techniques introduced in VA91. More advanced techniques such as pushing and pulling film development, multiple filter printing, toning, spotting and archival processing are covered. Use of artificial lighting, both tungsten and electronic strobe, is introduced for still life and portraiture. Through creative problem-solving, students are encouraged to develop their own individual photographic style. Students must provide their own fully adjustable 35mm camera (with manual f-stops and shutter speeds), film, paper and some other supplies. (2 hrs. lecture, 2 hrs. studio per week.) Prerequisite: VA91 or permission of instructor.

VA93† / AK1214
ALTERNATIVE PHOTOGRAPHIC PROCESSES
Focuses on historical and nontraditional processes such as pinhole photography, handcoloring, cyanotype, van dyke brown printing, toning, Polaroid transfer, positive/negative printing, ortho film and liquid light. Students must supply their own film, paper and some other supplies. (1 hr. lecture, 4 hrs. studio per week.) Prerequisite: VA91 or permission of instructor.

VA94† / AK1213
STUDIO PHOTOGRAPHY
Presents practical applications of medium and large format photographic techniques and principles in context of the commercial studio with emphasis on portraiture, still life and product photography. Zone System is introduced. Students receive extensive experience in use of flash and hot light systems, props and other technical aspects of studio work. Photographic Imaging majors are still expected to follow prescribed sequence of VA91, VA92, VA94 and either VA93 or VA96. (1 hr. lecture, 4 hrs. studio per week.) Prerequisite: VA92 or permission of instructor.

‡ Course Fee
VA95‡ / ART215
LARGE FORMAT PHOTOGRAPHY
Explores use of 4x5 view camera in both “studio” and “on location” settings. Application in studio includes both still life and people photography. Application “on location” includes interior and exterior architecture and landscape photography. Photographic problem solving methods addressed using view camera movements in relationship to perspective control, distortion control, and controlling plane of focus. Lighting techniques, lens and film selection, exposure control systems including Zone System, and aesthetic reasons for the application of view camera discussed. (1 hr. lecture, 4 hrs. studio per week.) Prerequisite: VA94 or permission of instructor.
E-G / 3 cr. hrs.

VA96‡ / AK1224
ELECTRONIC IMAGING
Students learn to use Adobe Photoshop as a tool to integrate visual imagery and text. Students use video, photographs, slides or other non-photographic images. Input techniques such as still video capture and scanning are covered as are various techniques for controlling and combining words and images. All phases of image enhancement and manipulation, retouching, silhouetting, image combination and special effects are practiced. Various approaches of handling type, as both pictorial element and in combination with other imagery, are discussed. (1 hr. lecture, 4 hrs. studio per week.) Prerequisites or corequisites: GR31 or CA84 and VA91, or permission of instructor.
E-G / 3 cr. hrs.

VA97‡ / ART225
DIGITAL PHOTOGRAPHY
Using digital cameras in a studio setting to create original, all-digital, filmless images. More advanced features of Adobe Photoshop are covered, and other similar software packages are introduced. New techniques, processes and special effects are taught. Production and output an important objective of this course. (1 hr. lecture, 4 hrs. studio per week.) Prerequisite: VA94 or VA96 or permission of instructor.
E-G / 3 cr. hrs.

VA98‡ / ART270
INDEPENDENT STUDY IN PHOTOGRAPHY
For self-motivated photography students who wish to explore a particular area of photography not specifically covered in other courses. Students meet regularly with an instructor of their choosing who assigns projects to be completed in the open lab (or in the student’s own darkroom). May be repeated for up to a maximum of three credits. Prerequisites: two photography courses at Suffolk County Community College with a B or better grade and permission of instructor.
E-G / 1-3 cr. hrs.

VA99‡ / ART299
PHOTOGRAPHY PORTFOLIO DEVELOPMENT AND ASSESSMENT
Capstone course for Photographic Imaging majors; must be taken in last semester before graduation. Students assemble their work into a professional portfolio. Mounting, matting and presentational techniques are covered. Critiques are integral part of the course. Prerequisite: VA94 or permission of instructor. (offered spring semester only)
E-G / 1 cr. hr.

WOMEN’S STUDIES
Note: Curriculum outline may be found on page 158 under LIBERAL ARTS AND SCIENCES: WOMEN’S STUDIES EMPHASIS — A.A. DEGREE.

WS12 / WST112
WOMEN’S SEMINAR
Required for but not restricted to Women’s Studies students. Students who successfully complete WS12 have satisfied the OS15, Freshman Seminar, requirement.
A small group of participants, some beginning the college experience after being away from the classroom and some already in college, meet once a week. A Women’s Studies faculty member, with input from the continuing students, provides an orientation to college life (such as resources available on campus, reading, taking notes, test taking and course selection as examples) for the new returning students. Then the class and instructor select topics for discussion which include, but are not limited to, balancing college and family life, stress management, self-esteem, and women’s issues such as violence against women, women and the media, women and their bodies, and relationships. Course helps students in their current college experience and in preparation for the future.
A-E / 1.5 cr. hrs.

HM46 / HUM116
SEXISM AND THE HUMANITIES
Investigates philosophical, mythological and religious origins of sexism and develops the way these create a gendered perspective in all societies. Analyzes definitions of sexism and implications of biological differences. Investigates consequences of sexism and efforts to create alternatives through study of women and men in the arts (art, music, language, literature and popular media.) No prerequisite.
A-E-G / 3 cr. hrs.

HM48, 49 / HUM148, 149
WOMEN AND THE ARTS
Interdisciplinary rotating course, its content varying from semester to semester.
A / 3 cr. hrs. each

HM52 / HUM122
GENDER AND THE LAW
Examines place and image of women within American legal system. Investigates religious influence and philosophical origins of gender differences in the law, with emphasis on issues such as hate crimes, child custody and divorce. No prerequisite.
A / 3 cr. hrs.

‡ Course Fee
HM60 / HUM130
CAREER INTERNSHIPS: EQUITY, CHOICES AND PROFESSIONALISM IN THE WORKPLACE
Offers broad spectrum of work opportunities in private sector as well as governmental agencies, under supervision of sponsors selected for their capacity to serve as exemplary gender role models. In addition to six hours per week of field work, students attend weekly seminar. In this way, they learn to integrate theory and practice and recognize their own potential for change. They examine legal, public and private forces operating in the professions, such as affirmative action, tokenism and harassment. In the process, students develop organizational skills, ability to analyze social structure of the workplace and, above all, to think creatively about their ultimate career goals. Open to women and men who have commitment to equity in workplace. Prerequisites: HM46 and EG11 or permission of instructor. Recommended: minimum of 12 credit hours.

A / 3 cr. hrs.

HS38 / HIS105
WOMEN'S ROLE IN AMERICAN HISTORY
Analysis of part that women played in American history from Colonial period to the present. Emphasis on social, political and religious attitudes toward women; status of women; influence of specific women; female involvement in important movements and organizations, etc. No prerequisite.
A / 3 cr. hrs.

PL32 / PHL113
PHILOSOPHY OF HUMAN LIBERATION
Exploration of philosophical concepts of freedom, determinism, forms of oppression and models of liberation (with respect to race, class, gender, age, religion, etc.) Consulting texts by contemporary feminist philosophers, the primary example for discussing oppression/liberation is the situation of women as well as the concept of the feminine. Required in Women’s Studies program. No prerequisite.
A / 3 cr. hrs.

SO55 / SOC220
THE SOCIOLOGY OF GENDER
Considers a number of gender-related questions facing U.S. society. What economic, social and cultural changes have modified traditional definitions of femininity and masculinity? How is gender socially constructed, reconstructed and deconstructed? Considers implications of changing gender roles for personal relationships among women, between women and men, and among men. How do women and men experience situations differently? Students learn about feminist movements, their impact on men’s movements, and their implications for social change. Is there movement toward sexual equality? Explores cultural consequences of gender inequality in various institutions, and also examines intricate web of interrelationships between gender, race, class and age. Prerequisite: SO11.
A / 3 cr. hrs.
SCCC Alumna Profile

Cynthia Scesny, Classes of 1975 and 1990
Paralegal

Cynthia comes from a family of attorneys. Her father practiced, as do her brother and sister, but as a young adult she wanted nothing to do with the law. Then she experienced a house fire and all the difficult legalities it involved. At her mother’s urging, she enrolled at SCCC in Paralegal Studies and got hooked on the family business.

That was the second time Cynthia chose SCCC. She had enrolled in the Liberal Arts program shortly after high school and graduated in 1975 with honors. At the time of the fire in 1988, she was a single mother who earned a living by cleaning houses and delivering firewood. She had worked in the Suffolk County Clerk’s Office previously and was again ready for professional employment. So following her mother’s advice, she went to the Ammerman Campus and enrolled in Paralegal Studies “on the spot.”

“Coming into the field of paralegal as an adult took over my life,” says Cynthia. “I loved the classes, the teachers, the campus, and the whole experience. Suffolk prepared me completely to make the jump into work without question.” In 1990 Cynthia again graduated with distinction from SCCC, this time with a Paralegal Studies Certificate and as a member of Pi Alpha Sigma.

Cynthia immediately found employment in the law office of Spota, O’Rourke and Ammerman as the paralegal office administrator. Soon after, she decided to continue her education at New York Institute of Technology at night and graduated summa cum laude in 1992 with a bachelor’s degree in Interdisciplinary Studies.

In 2002 Cynthia became the confidential assistant and legislative liaison to Suffolk County District Attorney Thomas J. Spota. Her duties in this office of almost 500 people are demanding and diverse: scheduling, budgeting, confidential casework and communications, and media relations, among others.

Cynthia serves on SCCC’s Paralegal Advisory Board Curriculum Committee and on the Accreditation Review Committee for the American Bar Association. She also returns to campus to speak to students in the Paralegal Club. “The college has a way of fostering in its students the value of giving back to the community,” she says.
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The Suffolk Community College Foundation is a non-profit corporation formed to develop additional resources to enable the college to provide quality educational experiences for its students. Scholarship funds constitute the largest single use of the assets of the foundation. Minority scholarships, honors scholarships, and awards based on financial need and academic merit are funded by the foundation.

Emergency student loans, special projects for professional staff development, support for unique academic enrichment programs, and efforts to enhance the community’s awareness of the college and its services are also supported by foundation resources.

The Foundation is governed by a Board of Directors representing many diverse constituencies. Men and women from the professions, business, industry, civic and social organizations, and college alumni serve without compensation to assist the college in its mission to provide the highest quality of academic service to the citizens of Suffolk County.

Organizations within the foundation include the Alumni Association and the Retirees Association of Suffolk Community College (RASCC).

The purpose of the Alumni Association is to serve the college. The organization works to enhance the well-being of the college’s student body, alumni, faculty, college and community by providing scholarships and hosting various social, cultural and fund-raising events.

The Retirees Association of Suffolk Community College (RASCC) is an organization whose purpose is to provide members with fellowship and information. Membership is open to retired employees of Suffolk County Community College, Suffolk County Community College employees on long term disability, spouses of deceased Suffolk County Community College employees, and former employees at the discretion of the RASCC board.

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The Suffolk Center on the Holocaust, Diversity & Human Understanding, Inc. (CHDHU) is a not-for-profit corporation created by Suffolk County Community College to manage an extensive collection of Holocaust materials that were donated to the college and to assist in efforts to teach tolerance and human understanding.

CHDHU’s mission is to develop a comprehensive and permanent historical exhibit and research center to teach students and residents, young and old, how to avoid the mistakes of the past and enhance the community’s capacity to embrace diversity and become a bias-free society. The permanent exhibit, which is currently located on the second floor of the Huntington Library on the Ammerman Campus, chronicles discrimination, prejudice and its hateful consequences, beginning with a focus on the rise of anti-Semitism and the events leading to and beyond the Holocaust. Eventually the collection will be broadened to include material related to the Civil Rights Movement, Apartheid, the Armenian/Bosnian/Rwandan/Kurdish Genocides, and the China and Soviet Union political purges.

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ELLIO T ROTH, Associate Professor of Ophthalmic Dispensing
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B.A., Glasgow University; L.L.C.M. T.D., London College of Music; M.A., Ph.D., State University of New York at Stony Brook

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Vincent Clemente, English
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Paul M. Cooke, Mathematics
George Cosgrove, Mechanical Technology
R. David Cox, English
Aurelea Curtis, Math
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Daniel J. Denver, Criminal Justice
Daniel B. DePonte, Associate Dean of Students
Ruth DeStefano, Business Administration
Grace Dolan, English
Marjorie P. Doyle, Nursing
Frederick W. Drewes, Biology
Vito W. Easparro, Mechanical Technology
Eugene Farry, Physical Education
Cecile Forte, Associate Dean of Academic Affairs
Maurice Flecker, Art
Robert G. Fountaine, English
Richard W. Fox, Social Sciences
George Frost, Economics
Richard E. Gambrell, English
Frank Gammardella, Accounting

Joan Garnar, Nursing
Sheldon Gordon, Mathematics
Charles Grippi, English
Laura Hackett, English
John Harrington, VP/Administration
Harry Hauser, Mathematics
Mike Hawryluk, Physics
Peter M. Herron, Mathematics
Richard P. Hession, Physical Education
Darrell Hilliker, Business Administration
William C. Hudson, Mathematics
Marcia Jefferson, Library Science
Leonard Johnson, Director of Library
Richard Johnson, Theatre
Frances M. Kelly, Library Service
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Corita Kong, History
Jeffrey Koodin, Physical Education
Hilda Lang, Library Services
Shirley Levitt, Library Services
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Stephen Lewis, English
Anthony Liano, Data Processing
Anne Louthan, Associate Dean of Instruction
William Lowen, Biology
Dorothea M. Lunarwomom, Psychology/Anthropology
Nicholas Marino, Foreign Languages
Ralph B. Maust, Earth and Space Science
Raymond A. McCartney, Mathematics
Grace McGorry, Placement
Morton Mecklosky, Mathematics
Adele D. Mitchell, Nursing
Harriette T. Novick, Communications/Theatre
Theresa O’Reilly, Nursing
John O’Shea, Library Services
Richard L. Paul, Mathematics
William Pease, Electrical Technology
James A. Perry, Accounting
B. Wayne Pevey, Theatre
Orville J. Pfeifer, Engineering
Laura Provenzano, Library Services
Charles E. Reilly, Accounting
Richard Richards, Mechanical Technology
Douglas M. Robbins, Health Careers
Linda S. Rocke, Physical Education
David Ross, Physical Education
Arthur W. Sanders, Office Administration
Maria Santalla, Foreign Languages
Paul Satzman, Music
Jack Schanfeld, Social Sciences
Sy M. Shaffer, Music
Marjorie Sherwin, Health Careers
Eliot Silverman, Mathematics
Ely Silverman, Speech-Theatre
Walter Smith, Marine Science
Eileen Specht, Nursing
Recipients of State University of New York Chancellor’s Awards for Excellence

Anna Aliotta-Flack, Professional Service, 2004
Michele Aquino, Teaching, 1998
Robert L. Arrigon, Teaching, 1975 (retired)
Linda E. Barber, Teaching, 1996
Maryanne T. Barry, Teaching, 1997 (retired)
Lloyd G. Becker, Teaching, 1973
Kathryn Benjamin, Teaching, 1995
Robert Beodeker, Professional Service, 2001
John Bockino, Teaching, 2003
Mary Ann Borrello, Teaching, 1975
Diane Bosco, Teaching, 2001
Connell J. Boyle, Teaching, 1977 (retired)
David Brenner, Teaching, 2001
Beverly R. Broomell, Teaching, 2002
Maureen G. Bybee, Teaching, 1995
Gary P. Campbell, Teaching, 1998
Mario Caprio, Teaching, 1976 (retired)
Dorothy M. Chanin, Professional Service, 2000 (retired)
Maureen A. Clinton, Teaching, 2001
Albin J. Cofone, Professional Service, 1983
Donald R. Coscia, Teaching, 1976
Mary Crosley, Teaching, 1996
Betty Deroski, Teaching, 1996 (retired)
Celeste DeSario, Teaching, 1996
Grace Dolan, Teaching, 1977 (retired)
Lawrence J. Epstein, Teaching, 1995
Donald R. Ferruzzi, Teaching, 1998
Ronald A. Feinberg, Teaching, 2000
Kevin Patrick Foley, Teaching, 2004
Josephine A. Freedman, Teaching, 1997 (retired)
Carole Gambrell, Librarianship, 1997
M. Bernadette Garcia, Professional Service, 1995
Joan D. Garnar, Professional Service, 1996 (retired)
Michael T. Gerien, Teaching, 2002
Daniel Giancola, Teaching, 2001
Dan Gilhooley, Professional Service, 1996
Cheryl Ann Gillespie, Teaching, 1997
Donald M. Gilzinger, Jr., Teaching, 2004
Caroline A. Gould, Teaching, 1995
Russell Gusack, Teaching, 1995
Charles S. Grippi, Teaching, 1975 (retired)
Peter Herron, Teaching, 1975 (retired)
George J. Hiltner III, Professional Service, 1978 (retired)
M. Sue Hood, Professional Service, 1997
Mary Anne Huntington, Professional Service, 1996 (retired)
Allen Jacobs, Professional Service, 2003
Eileen Kamil, Teaching, 1995
Paul Kaplan, Teaching, 1996 (retired)
Regina Keller, Teaching, 2004
Donald S. Kisiel, Teaching, 2000
Lowell Kleiman, Professional Service, 2001
Steven C. Klipstein, Teaching, 2001
Ruth M. Kolk, Teaching, 2003
Judith Koodin, Professional Service, 2002
John William Kulkosky, Teaching, 2004
France F. LaFauci, Teaching, 2000
Marilyn J. Levine, Teaching, 1998 (retired)
Carmie Ann Perrotta Lewis, Teaching, 1996 (retired)
Samuel Ligon, Teaching, 2003
Carol Longo, Librarianship, 1997 (retired)
Elisa A. Mancuso, Teaching, 2001
Scott Mandia, Teaching, 1997
Marianne McAuley, Teaching, 2002
Marilyn McCall, Teaching, 2004
Charles L. McCarthy, Jr., Teaching, 2000
Kevin McCoy, Librarianship, 2000
Carol A. McGorry, Teaching, 2004
Grace McGorry, Professional Service, 1979 (retired)
Christine Misener, Teaching, 1997 (retired)
Anthony R. Napoli, Professional Service, 1998
Harriette T. Novick, Teaching, 1973 (retired)
Linda O’Connell, Teaching, 2000 (retired)
Sofia C. Papadimitriou, Professional Service, 1997
Dorothy Patrick, Professional Service, 1998 (retired)
Kathryn R. Payette, Professional Service, 2004
Nancy A. Pennacavage, Teaching, 2004
Naomi D. Phelps, Professional Service, 2003
Elaine P. Preston, Teaching, 1979
Dennis Reissig, Professional Service, 2004
Raymond Rienecker, Professional Service, 1978 (retired)
Barbara D. Ripel, Teaching, 1998
Linda Ann Sabatino, Teaching, 1997
Paul Satzman, Teaching, 1995 (retired)
Jean Ann Scharpf, Teaching, 1998
Jay Schwartz, Librarianship, 1996
Gayle Sheridan, Professional Service, 1998
Jeffrey R. Silverstein, Teaching, 1996
Gerald Speal, Teaching, 1983 (retired)
Douglas Steele, Professional Service, 1981 (retired)
Robert J. Stone, Teaching, 1997
Ronald Surprentant, Teaching, 1976 (retired)
Betty M. Tobias, Teaching, 1997
Robert M. Weinstein, Teaching, 1978
Helen A. Wist, Teaching, 2002
Jian Zhang, Professional Service, 2002
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Douglas Abrams, Adjunct Instructor, Humanities/Philosophy
Les Abrams, Adjunct Associate Professor, Sociology
Jamie Abruzzese, Adjunct Professional Assistant 1, Student Affairs
Michael Acampora, Adjunct Assistant Professor, Accounting
Robin Acerra, Adjunct Assistant Professor, Biology
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Susan L. Aiello, Adjunct Instructor, English as a Second Language
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Shamsul Alam, Adjunct Instructor, Mathematics
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Robin Barber, Adjunct Professional Assistant 1, Desktop Services
Jocelyn C. Bard, Adjunct Instructor, Student Affairs
Angela Bari, Adjunct Instructor, Computer Science/Information Technology
Nancy Barker, Adjunct Instructor, Sociology
Emily Barnett, Adjunct Assistant Professor, Visual Arts
Russell K. Barnett, Adjunct Instructor, Geography
Marie C. Barnouw, Adjunct Professional Assistant 2, Biology
John J. Barrett, Adjunct Assistant Professor, Philosophy/Humanities/Orientation Seminar
Heather Barry, Adjunct Instructor, History
Charles J. Barta, Adjunct Professor, Accounting/Business Administration
David Baruch, Adjunct Professor, Library Services
Ronald S. Baslaw, Adjunct Instructor, Mathematics
Giuseppe Battista, Adjunct Professor Foreign Language
Richard Bauman, Adjunct Instructor, Ophthalmic Dispensing
Heinrich H. Beck, Jr., Adjunct Instructor, English as a Second Language
Kim T. Beck, Adjunct Instructor, Foreign Language
Tracy Beck, Adjunct Instructor, Earth and Space Science
Kathy Bedka-Strain, Adjunct Instructor, American Sign Language
Malgorzat Bednarz, Adjunct Professional Assistant 1, Foreign Language
Arend H. Behrens, Adjunct Assistant Professor, Earth and Space Science/Orientation Seminar
Elizabeth A. Behrens, Adjunct Assistant Professor, Library Services
Michael Belajonas, Adjunct Assistant Professor, Music
Janice Bellezza, Adjunct Instructor, Occupational Therapy
Peter S. Belli, Adjunct Assistant Professor, Psychology
Joseph A. Bellofatto, Adjunct Professional Assistant 1, Mathematics
Alexandra Beltran, Adjunct Professional Assistant 1, Computer Science/Information Technology/English as a Second Language
Roger L. Belz, Adjunct Professor, Business Administration
Andrea Ben-Aviv, Adjunct Assistant Professor, Mathematics
Maryann Bencivenga, Adjunct Associate Professor, English/Humanities/Interdisciplinary Studies
Elaine Bender, Adjunct Assistant Professor, Nursing
Regina A. Benincasa, Adjunct Professional Assistant 2, Biology
Patricia Benolich, Adjunct Instructor, English
Roger S. Bense, Adjunct Professional Assistant 1, Biology
Maida Berenblatt, Adjunct Assistant Professor, Psychology/Health and Human Services
Stephen Berg, Adjunct Associate Professor, Psychology/Orientation Seminar
Howard S. Berger, Adjunct Professional Assistant 1, Radio/Television/Film
Carol Bergeron, Adjunct Instructor, Nursing
Lisa Bergman, Adjunct Instructor, Counseling
Christina Bergmann, Adjunct Instructor, Health and Human Services
Peter P. Bergmann, Adjunct Instructor, Health and Human Services
Catherine Berkhuis, Adjunct Professional Assistant 1, Horticulture
Erasto Bernard, Adjunct Instructor, Computer Science/Information Technology
Maryann Bernero, Adjunct Instructor, Biology/Horticulture
William Bernhard, Adjunct Instructor, Mathematics
Jessica T. Bernius, Adjunct Assistant Professor, Physical Education/Health and Human Services
Tinamarie Bernocco, Adjunct Instructor, Early Childhood Education
Patricia Bernstein, Adjunct Instructor, Nursing
Stuart Bernstein, Adjunct Instructor, History
John Best, Adjunct Professional Assistant 1, English
Peter Beyer, Adjunct Associate Professor, English
Vatsala Bhaskaran-Hogan, Adjunct Instructor, English as a Second Language
Renee Ron Bhatti, Adjunct Instructor, English
Raymond Bigliani, Adjunct Professor, Earth and Space Science
Salih Bilgili, Adjunct Professional Assistant 1, Foreign Language/English as a Second Language
Russell Bird, Adjunct Assistant Professor, Biology/Horticulture
Kim Birnbaum, Adjunct Assistant Professor, Early Childhood Education
Dawn Birtch, Adjunct Professional Assistant 1, Biology
Richard W. Biscardi, Adjunct Associate Professor, Electrical Technology
Julie Black, Adjunct Instructor, Communications
Benjamin Blair, Adjunct Instructor, Orientation Seminar
Patricia M. Blake, Adjunct Associate Professor, Business: Law
Frank D. Blanchard, Adjunct Instructor, Visual Art
Irene Blaymore, Adjunct Instructor, Physical Education
Mindy Block, Adjunct Professional Assistant 1, Biology
John Blom, Adjunct Instructor, Mathematics
Matthew Bloom, Adjunct Assistant Professor, English
Anthony A. Boccaccio, Adjunct Assistant Professor, Business Administration/Orientation Seminar
Louis Boccio, Jr., Adjunct Assistant Professor, Communications/Radio/TV/Film
Rayma Boccio, Adjunct Instructor, Reading
Ralph A. Bockino, Adjunct Associate Professor, Business Administration/Economics
Michael Boecherer, Adjunct Instructor, English
Annette Bogin, Adjunct Assistant Professor, Reading/Orientation Seminar
Kevin Bolier, Adjunct Instructor, Orientation Seminar
Ruth Bomgardner, Adjunct Assistant Professor, Nursing
Justine Bonanno, Adjunct Professional Assistant 1, Mathematics
Cathy Bondi, Adjunct Professional Assistant 1, Foreign Language
Mary Boochever, Adjunct Instructor, Visual Arts
Stephanie Boondas-Flagg, Adjunct Instructor, Counseling
Sarah Boone, Adjunct Instructor, Philosophy
Laura Borghardt, Adjunct Professional Assistant 1, Biology
Joy G. Borrero, Adjunct Assistant Professor, Nursing
Ralph Borzello, Adjunct Instructor, Student Affairs
Christina Bosco, Adjunct Professional Assistant 1, Writing Center
Nicholas Bosco, Adjunct Instructor, Business
David Bouchier, Adjunct Associate Professor, Sociology
Torhild Boughal, Adjunct Assistant Professor, Mathematics
Sabra B. Boughton, Adjunct Professor, Nursing
Socrates Boussios, Adjunct Instructor, Mathematics
Connell Boyle, Adjunct Professor, Mathematics
Eileen Boylston, Adjunct Professional Assistant 2, Biology
John E. Boynton, Adjunct Associate Professor, Biology
Kevin Bozza, Adjunct Instructor, Health Information
Patricia Bozza, Adjunct Instructor, Physical Education
Eugene Bozzo, Adjunct Instructor, Business
Craig W. Brand, Adjunct Professional Assistant 1, Biology
Vincent Branker, Adjunct Professional Assistant 1, Biology
Gail Braverman, Adjunct Associate Professor, English
Brandon Bravo, Adjunct Professional Assistant 1, Academic Computing Lab
Susana Bravo, Adjunct Professional Assistant 1, Foreign Language
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Annemarie Brennan, Adjunct Professional Assistant 1, Reading
Christopher P. Brennan, Adjunct Instructor, Fire Protection Technology
James Brennan, Adjunct Professor, Counseling
Lois E. Bressler, Adjunct Professional Assistant 2, Reading
Douglas Brett, Adjunct Instructor, Music
Laurel Brett, Adjunct Assistant Professor, English/Humanities/Women's Studies
Judith B. Breuer-Werner, Adjunct Assistant Professor, Nursing/Orientation Seminar
Rufus Brey, Adjunct Instructor, Chemistry
Orman G. Broadway, Adjunct Instructor, English as a Second Language
Evelyn Brodbeck, Adjunct Professor, Mathematics
Linda Brody, Adjunct Professor, Mathematics
Michael J. Brody, Adjunct Instructor, Accounting
Allison Brown, Adjunct Instructor, English as a Second Language
Diana H. Brown, Adjunct Associate Professor, Nursing
Jeffrey E. Brown, Adjunct Professional Assistant 1, Mathematics
Natalie Brown, Adjunct Professor, Psychology
William Brown, Adjunct Instructor, Humanities
Constance Brown-Riggs, Adjunct Assistant Professor, Dietetic Technician
Josie Brown-Rose, Adjunct Instructor, English
Bernard Bruen, Adjunct Assistant Professor, Mathematics
Hannes Brunbauer, Adjunct Associate Professor, Student Affairs
Lewis A. Brunnemer, Adjunct Assistant Professor, English/Humanities
Melissa Buchberger, Adjunct Instructor, English as a Second Language
James Buchwalter, Adjunct Instructor, Philosophy
Holly L. Buckland, Adjunct Professional Assistant 2, Dietetic Technician
Brian K. Bugge, Adjunct Associate Professor, Criminal Justice
Elida Buiron, Adjunct Instructor, English as a Second Language
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Louis Buonaguro, Adjunct Assistant Professor, Business Administration
Lois P. Burgner, Adjunct Assistant Professor, Sociolog/Anthropology/Orientation –Seminar
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Carol Burns, Adjunct Instructor, Physical Education
Nelly Burns, Adjunct Instructor, English as a Second Language
Catherine Burton, Adjunct Instructor, English as a Second Language
Alice Butkos, Adjunct Instructor, Nursing
Craig Butler, Adjunct Instructor, Information Technology
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Robert Byrnes, Adjunct Professor, Economics/Business Administration

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Deborah Cafiso, Adjunct Professional Assistant 1, Computer Science/Information Technology
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Dennis J. Caine, Adjunct Instructor, Criminal Justice
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Gerald Callahan, Adjunct Assistant Professor, History/Political Science
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Ritchie L. Calvin, Adjunct Associate Professor, English/Humanities
Roger Cameron, Adjunct Instructor, Biology
Barbara S. Camilleri, Adjunct Instructor, Orientation Seminar
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Patricia Carter-Black, Adjunct Instructor, Reading/Orientation Seminar
Patricia Jo Casella, Adjunct Instructor, English as a Second Language
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James A. Cassidy, Adjunct Assistant Professor, Visual Arts
James J. Cassidy, Adjunct Instructor, Library Services
Meryl T. Cassidy, Adjunct Instructor, Community Service Assistant
James Castiglione, Adjunct Instructor, Library Services
Charles J. Catalano, Adjunct Assistant Professor, Library Services
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Robert Cellura, Adjunct Professional Assistant 1, Biology
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Samantha Cherry, Adjunct Specialist, Nursing
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Frank Chirico, Adjunct Instructor, English as a Second Language
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Gail I. Choiilen, Adjunct Assistant Professor, Reading
Yu Son Chong, Adjunct Professional Assistant 1, Reading
Steven Chovnick, Adjunct Assistant Professor, Sociology
Milton Chung, Adjunct Instructor, Spanish/Orientation Seminar
Donna Ciampa, Adjunct Instructor, English
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Amy Cianciulli, Adjunct Professional Assistant 1, Reading
Gregory Cianflone, Adjunct Assistant Professor, Mathematics
Dominic J. Ciardullo, Adjunct Assistant Professor, Electrical Technology  
Linda Cimino, Adjunct Instructor, Nursing  
Carol A. Cinelli, Adjunct Assistant Professor, Physical Education  
John Cino, Adjunct Instructor, Mathematics  
Dori Cinque, Adjunct Instructor, Dietetic Technician/Physical Fitness  
Diane Cirino, Adjunct Instructor, English as a Second Language  
Dorothy Clair, Adjunct Professional Assistant 1, Horticulture  
Brett Clarin, Adjunct Professional Assistant 1, Mathematics  
Philip W. Clark, Adjunct Instructor, Student Affairs  
Scott Clark, Adjunct Assistant Professor, Horticulture  
Tracy Cleary, Adjunct Instructor, Counseling  
Kathleen Clifford, Adjunct Instructor, Nursing  
Christine Clifton, Adjunct Instructor, Library Services  
Russell L. Clinton, Adjunct Instructor, Orientation Seminar  
Jane Coby, Adjunct Instructor, English as a Second Language  
Cheryl Coffey, Adjunct Professor, Reading/Humanities/Orientation Seminar  
Robert Coffey, Adjunct Assistant Professor, Computer Science/Information Technology  
Stephen Cogan, Adjunct Instructor, Automotive Technology  
Robert Cognato, Adjunct Instructor, Library Services  
Mary Jo Cohan, Adjunct Instructor, Library Services  
Arlene D. Cohen, Adjunct Instructor, History  
Arlene Cohen, Adjunct Associate Professor, Communications/Theatre  
Jeffrey A. Cohen, Adjunct Assistant Professor, Communications  
Lynn Cohen, Adjunct Associate Professor, English  
Murray Cohen, Adjunct Instructor, English as a Second Language  
Richard A. Cohen, Adjunct Associate Professor, Physical Education  
Stuart Cohen, Adjunct Instructor, Health and Human Services  
Gursel Colak, Adjunct Professional Assistant 1, Visual Arts  
Susan Colak, Adjunct Instructor, Visual Arts  
Donald A. Collins, Adjunct Instructor, History  
Michael Columbia, Adjunct Associate Professor, English  
Joseph Commesso, Adjunct Professional Assistant, Radio and Television  
Jennifer A. Concepcion, Adjunct Instructor, Nursing  
Edward J. Condon, Adjunct Instructor, Foreign Language  
William E. Condon, Adjunct Assistant Professor, Office Technologies  
Michael Confusione, Adjunct Instructor, Psychology  
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William L. Conklin, Adjunct Professional Assistant 1, Writing Center/English  
Frances Conlon, Adjunct Assistant Professor, Mathematics  
Nancy M. Conlon, Adjunct Instructor, English  
Cathleen E. Conner, Adjunct Professional Assistant 2, Biology/Chemistry  
James Conners, Adjunct Instructor, Mathematics  
Alanna Connolly, Adjunct Professional Assistant 2, Mathematics  
Emily Connolly, Adjunct Assistant Professor, Mathematics  
Liane Connolly, Adjunct Instructor, Early Childhood Education  
Peter Connors, Adjunct Associate Professor, Earth and Space Science  
Vincent Consorti, Adjunct Instructor, Business Administration  
Christine Contrada, Adjunct Instructor, History  
Joan M. Cook, Adjunct Professional Assistant 1, Theatre  
Samuel Cook, Adjunct Professional Assistant 1, Mathematics  
Paul Cooke, Adjunct Professor, Mathematics  
John P. Cooney, Adjunct Associate Professor, English/Orientation Seminar  
Philip L. Cooper, Adjunct Professor, Biology/Orientation Seminar  
Lisa Cordani-Stevenson, Adjunct Instructor, Anthropology  
Mary E. Cordeiro, Adjunct Instructor, English  
Margaret M. Corrada, Adjunct Professional Assistant 2, Adult Learner Programs  
Anthony Correale, Adjunct Instructor, Communications  
Jacquelin Corrigan, Adjunct Instructor, English  
Frank Coscia, Adjunct Professor, Mathematics  
Isabel Cosentino, Adjunct Instructor, Foreign Language  
Kristen Cosentino, Adjunct Instructor, Orientation Seminar  
Frances Costa, Adjunct Instructor, Biology  
Rose Costanzo, Adjunct Assistant Professor, American Sign Language  
Alan Costell, Adjunct Assistant Professor, Business: Law  
Brian Costello, Adjunct Professional Assistant 1, Theatre  
Nancy A. Cotlau, Adjunct Professional Assistant 1, Nursing  
Angela Coten, Adjunct Instructor, Philosophy/Interdisciplinary Studies  
Jeffrey Coven, Adjunct Professor, English  
Fred Coverdale, Adjunct Assistant Professor, History/Sociology  
Helene D. Coyle, Adjunct Professor, Nursing  
Judith Craddock, Adjunct Instructor, Foreign Language  
Susan Crané, Adjunct Instructor, English  
Mary Creagh, Adjunct Assistant Professor, Reading/Humanities/Orientation Seminar  
Linda M. Crecca, Adjunct Instructor, Foreign Language  
Robert J. Creighton, Adjunct Instructor, Criminal Justice  
Michael Cressy, Adjunct Professional Assistant 1, Academic Skills Center  
Vincent Crispino, Adjunct Assistant Professor, Criminal Justice  
Joseph A. Critelli, Adjunct Instructor, English  
Frank Croce, Adjunct Assistant Professor, Business Administration  
Robert Croker Jr, Adjunct Instructor, Biology  
Donna Cubicciotti, Adjunct Professional Assistant 1, Occupational Therapy
Anthony J. Cuccaro, Adjunct Assistant Professor, Veterinary Science
Louis Cucurese, Adjunct Instructor, Health and Human Services/Orientation Seminar
Laur Cudia, Adjunct Instructor, English as a Second Language
Diane Cuillo, Adjunct Professional Assistant 1, Occupational Therapy
George Cullen, Adjunct Professional Assistant 1, Horticulture
Salvatore Curiale, Adjunct Instructor, Business Administration
Thomas Curley, Adjunct Assistant Professor, Computer Science/Information Technology
Maureen Curtis, Adjunct Instructor, Business Administration
Amy Cusumano, Adjunct Instructor, Foreign Language
John D. Cuthbertson, Adjunct Assistant Professor, Health and Human Services
D
Fern Daane, Adjunct Instructor, Office Technologies
Joseph D’Agostino, Adjunct Instructor, Mathematics
Charles D’Alessandro, Adjunct Associate Professor, Accounting
Laura D’ Alessio, Adjunct Professional Assistant 1, Biology
Eileen Daley, Adjunct Instructor, Nursing
Frank Dallas, Adjunct Associate Professor, Music
Daniel J. Daly, Adjunct Instructor, English
Denise D’Ambrosio, Adjunct Assistant Professor, Nursing
Robert D’Ambrosio, Adjunct Assistant Professor, Mathematics
Manning H. Dandridge, Adjunct Assistant Professor, English
Diane D’Angelo, Adjunct Instructor, Foreign Language
Karen D’Angelo, Adjunct Instructor, Anthropology
Margaret R. Dankievitch, Adjunct Instructor, Mathematics
Gerard Danzi, Adjunct Professor, Counseling/Orientation Seminar
Richard Darmody, Adjunct Professor, Physical Education
Gloria DaSilva, Adjunct Instructor, English as a Second Language
Russell E. David, Adjunct Assistant Professor, Mathematics
Lee Davis, Adjunct Assistant Professor, English/Humanities
Robert Davis, Adjunct Instructor, Physical Education
Barbara Dean, Adjunct Instructor, English as a Second Language
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Kimberly F. Decario, Adjunct Professional Assistant 1, Occupational Therapy
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Andrew Deegan, Adjunct Professional Assistant 1, Mathematics
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Nina Deegan, Adjunct Instructor, Counseling/Orientation Seminar
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Veronica L. DeKoning, Adjunct Assistant Professor, Health and Human Services
Robert P. DeLaG, Adjunct Assistant Professor, Health and Human Services
Jeanmarie Delanty, Adjunct Professional Assistant 2, Computer Science/Information Technology
Kirsten A. Delemarre, Adjunct Instructor, Health and Human Services/Orientation Seminar
Michelle Delevante, Adjunct Professional Assistant 2, Student Affairs
Edward M. Delia, Adjunct Professor, Sociology
James Delis, Adjunct Instructor, Electrical Technology
Jacqueline E. Dellacona, Adjunct Instructor, Electrical Technology
Alfred Dellapenna, Adjunct Associate Professor, Criminal Justice
Bertram W. Delmage, Adjunct Assistant Professor, Criminal Justice/Orientation Seminar
Edward F. Delorme, Adjunct Assistant Professor, English
Frank DeMaria, Adjunct Instructor, Biology
Keith Denton, Adjunct Instructor, Psychology
Carolann Denys, Adjunct Assistant Professor, Reading/Interdisciplinary Studies/Orientation Seminar
Harry A. Denys, Adjunct Instructor, Reading/Orientation Seminar
Diane DePaola, Adjunct Professional Assistant 1, Mathematics
Mary Dernbach, Adjunct Instructor, Counseling
Ciro Derosa, Adjunct Instructor, English as a Second Language
Betty Deroski, Adjunct Professor, Chemistry
Dana Deshler, Adjunct Professional Assistant 1, Reading
Alphonse Desiderio, Adjunct Professor, Business Administration
Michael Devine, Adjunct Instructor, Criminal Justice
Mary Jane DeVito, Adjunct Instructor, English
Barbara DeZorzi, Adjunct Instructor, History
Orsete J. Dias, Adjunct Instructor, Economics
Jose Diaz, Adjunct Professional Assistant 1, Science
Joan Dickey, Adjunct Instructor, Computer Science/Information Technology
Jill M. Dickson, Adjunct Instructor, Business Administration/Computer Science/Information Technology
Robert Dietz, Adjunct Instructor, English
Thomas Digilio, Adjunct Instructor, Psychology
Frank DiGregorio, Adjunct Instructor, History
Celia B. Dillenber, Adjunct Assistant Professor, English as a Second Language
Daniel DiMaria, Adjunct Professor, Mathematics
Rocco DiNapoli, Adjunct Professor, Mathematics
Charles J. Dipirro, Adjunct Professor, Foreign Language
Christopher Dippel, Adjunct Instructor, Theatre
Carol DiStiso, Adjunct Professional Assistant 2, Academic Computing Lab/Distance Education
Kathleen A. Dobies, Adjunct Instructor, Nursing
Edward Dobres, Adjunct Instructor, Foreign Language
Jerry Domatob, Adjunct Instructor, Communications
David Dombroff, Adjunct Instructor, Culinary Arts
Camille Dominici, Adjunct Professional Assistant 1, Dietetic Technician
Valerie Donaruma, Adjunct Instructor, Orientation Seminar
Jeffrey Donlon, Adjunct Instructor, Drafting/Construction Technology
Lillian Donnelly, Adjunct Professional Assistant 1, Nursing
Shiobhan Donohue, Adjunct Instructor, Visual Arts
Deborah Donovan, Adjunct Instructor, Sociology
Kerry Doran, Adjunct Instructor, History
Richard Dormer, Adjunct Instructor, Criminal Justice
Rugh S. Doroski, Adjunct Instructor, English as a Second Language
Joan Dorr, Adjunct Assistant Professor, Orientation Seminar/Adult Learning
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Peter Drago, Adjunct Professor, Physics
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Thomas Drescher, Adjunct Professional Assistant 1, Mathematics
Lorraine Dreyer, Adjunct Assistant Professor, Reading/Orientation Seminar
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William Duncan, Adjunct Instructor, Orientation Seminar
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Theresa Economou, Adjunct Instructor, Nursing
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Sandra Edwards, Adjunct Instructor, Nursing
Davia Egolf, Adjunct Instructor, English as a Second Language
Jacqueline Eill, Adjunct Instructor, Health Information Technology
Maged El-Deiry, Adjunct Instructor, Visual Art
Rose Elefante-Link, Adjunct Assistant Professor, English
Robert L. Elgart, Professor, Biology
Maryanne Ellinger, Adjunct Instructor, Distance Education
Ray Ellis, Adjunct Instructor, Visual Arts
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John J. Fitzgerald, Adjunct Instructor, Accounting
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Patricia Floyd-Murphy, Adjunct Instructor, Communications
Erin Flynn, Adjunct Instructor, Philosophy
Patricia G. Flynn-Pacholik, Adjunct Instructor, Counseling
Anne Fogarty, Adjunct Assistant Professor, Early Childhood Education
Henry Fogline, Adjunct Assistant Professor, Oceanography
Donna M. Foley, Adjunct Professional Assistant 1, Computer Science/Information Technology
Edith Forman, Adjunct Assistant Professor, Nursing
Seth Forman, Adjunct Associate Professor, Political Science
Beth Forrester, Adjunct Associate Professor, Early Childhood Education
Arnold Fox, Adjunct Assistant Professor, Computer Science/Information Technology/Information Processing
Edward Fox, Adjunct Instructor, Business Administration
Sheila Fox, Adjunct Instructor, Visual Arts
Stephen Fox, Adjunct Instructor, Foreign Language
Claude Frank, Adjunct Assistant Professor, Mathematics
Ellen Frank, Adjunct Assistant Professor, Visual Arts/Philosophy/Humanities
Peter J. Franzese, Adjunct Professional Assistant 1, Reading
Ellen Fraser, Adjunct Assistant Professor, Mathematics
Trevor Fraser, Adjunct Instructor, Communications
Michelle Freed, Adjunct Associate Professor, Reading/Orientation Seminar
Alan H. Freedman, Adjunct Assistant Professor, Physical Education
Josephine Freedman, Adjunct Professor, Computer Science
Matthew French, Adjunct Professional Assistant 2, Physical Education
Stephen J. Frey, Adjunct Instructor, Business Administration
Joshua Friedman, Adjunct Instructor, Mathematics
Sharon Friedman, Adjunct Assistant Professor, Physical Education
Suzanne Friesel, Adjunct Assistant Professor, Mathematics
Mark Friszolowski, Adjunct Instructor, Horticulture
Robert K. Frosch, Adjunct Instructor, Veterinary Science
George E. Frost, Adjunct Professor, Economics
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Michael S. Frost, Adjunct Instructor, Political Science
Lois E. Fuchs, Adjunct Instructor, Sociology
Cynthia Fuller, Adjunct Professor, English/Humanities
Kevin Fuller, Adjunct Professional Assistant 1, Chemistry
Gregory T. Furjanic, Adjunct Instructor, Visual Arts
Esther Fusco, Adjunct Instructor, Orientation Seminar
Lorraine S. Fusco, Adjunct Assistant Professor, Reading

G
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Joanne Gaffney, Adjunct Assistant Professor, Nursing
Kristen Gagne, Adjunct Instructor, Physical Education
Ann Gajowski, Adjunct Professional Assistant 2, Accounting
William Galati, Adjunct Instructor, Mathematics
Joseph Galdi, Adjunct Instructor, Criminal Justice
Michael J. Galgano, Adjunct Instructor, History
Constance Galin, Adjunct Assistant Professor, Early Childhood Education
Loretta M. Galina, Adjunct Instructor, Orientation Seminar
Cynthia Galindo Barone, Adjunct Professional Assistant 1, Writing Center
John C. Gallagher, Adjunct Professor, History/Political Science
John P. Gallagher, Adjunct Assistant Professor, Reading/Orientation Seminar
John Gallery, Adjunct Instructor, Economics/Business Administration
Karen Ganetis, Adjunct Instructor, Nursing
Joseph Gansrow, Adjunct Instructor, English
Bette Ganz, Adjunct Instructor, Mathematics
Mark Garabrant, Adjunct Instructor, Criminal Justice
Alcira Garafola, Adjunct Instructor, English as a Second Language
Alison Garber, Adjunct Associate Professor, Humanities/Women's Studies/Orientation Seminar
Leticia Garcia-Rogener, Adjunct Instructor, English as a Second Language
Jay L. Gardner, Adjunct Assistant Professor, Health and Human Services/Physical Education
Sharon Gardner, Adjunct Professional Assistant 1, Veterinary Science
Mary Garcia, Adjunct Instructor, English as a Second Language
Maureen Garofalo, Adjunct Instructor, Mathematics
Charles Garrison, Adjunct Professional Assistant 1, Biology
Edward Garrone, Adjunct Instructor, History
Roseann Garruba, Adjunct Assistant Professor, Reading/Orientation Seminar
Lori Gately, Adjunct Instructor, English as a Second Language
Debra Gazzola, Adjunct Instructor, Mathematics
Mary Geday, Adjunct Instructor, English
Harold Gee, Adjunct Instructor, Library Services
Donna M. Geffen, Adjunct Instructor, American Sign Language
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Darlene Gelin, Adjunct Instructor, Community Service Assistant
Maria Gemma, Adjunct Professional Assistant 2, Academic Computing Lab
Robert Genna, Adjunct Instructor, Criminal Justice
Christopher Gennari, Adjunct Instructor, History
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Margaret L. Genovese, Adjunct Instructor, English
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Elena Geonie, Adjunct Assistant Professor, Recreation Leadership
Debra A. Gerrie, Adjunct Professional Assistant 2, Nursing
Ruth E. Gerzcel, Adjunct Assistant Professor, Reading/Orientation Seminar
Lucia Ghezzi, Adjunct Instructor, Foreign Language
Claire Giammarese, Adjunct Professional Assistant 1, Administration
John Giannotti, Adjunct Professional Assistant 1, Computer Science/Information Technology
Barbara M. Gibbons, Adjunct Assistant Professor, Nursing
James Gibson, Adjunct Instructor, Psychology
Beth Giles, Adjunct Assistant Professor, Visual Arts
Lorraine Giloni, Adjunct Assistant Professor, Biology/Orientation Seminar
Eileen Gilroy, Adjunct Professional Assistant 2, Mathematics
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Michael Giovingo Jr., Adjunct Instructor, Culinary Arts
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Joanne Glaski, Adjunct Instructor, English as a Second Language
Lawrence B. Glass, Adjunct Instructor, Biology
Terri Glatzer, Adjunct Instructor, Early Childhood Education
Mary Lou Glazer, Adjunct Instructor, Library Services
Kathy Glickman, Adjunct Instructor, English as a Second Language
Ronald Glickman, Adjunct Professor, Business: Law
Phoebe Gloeckner, Adjunct Instructor, Visual Arts
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Jason Godke, Adjunct Instructor, Visual Arts
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James Golbin, Adjunct Assistant Professor, Psychology/Sociology
Bob G. Goldberg, Adjunct Instructor, Sociology
Linda Goldberg, Adjunct Assistant Professor, Chemical Dependency Counseling/Orientation Seminar
Mark B. Goldberg, Adjunct Assistant Professor, Chemical Dependency Counseling
Richard Goldberg, Adjunct Professor, Biology
Stewart Goldberg, Adjunct Assistant Professor, Psychology/Orientation Seminar
Susana M. Goldberg-McLoughlin, Adjunct Assistant Professor, Foreign Language
Barbara Goldberger, Adjunct Instructor, English
Josh Golden, Adjunct Instructor, Theatre
Ivan K. Goldfarb, Adjunct Assistant Professor, English
Judith S. Goldstein, Adjunct Associate Professor, Reading/Orientation Seminar
Sarahjean Goldstein, Adjunct Assistant Professor, Nursing
Farrokh Goleborkhi, Adjunct Instructor, Mathematics/Computer Science/Information Technology
Katherine Goleborkhi, Adjunct Professor, Mathematics
John Gomez, Adjunct Instructor, English
Christine Goncharuk, Adjunct Instructor, Graphic Design
Estelle Gonzalez, Adjunct Instructor, English as a Second Language
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Loyda M. Goodbody, Adjunct Instructor, Sociology
Marilyn Goodman, Adjunct Professor, Theatre/Humanities/Communications
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Margery Gosnell-Qua, Adjunct Assistant Professor, Visual Arts
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David Gray, Adjunct Assistant Professor, Mathematics/Physical Education
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Gayle Green, Adjunct Instructor, Sociology
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Pamela Greene, Adjunct Instructor, Political Science/Business: Law
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Christopher Gregorio, Adjunct Professional Assistant 1, Radio/TV/Film
Leonard Gregorio, Adjunct Professor, Psychology/Counseling
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Tatyana Grenkov, Adjunct Assistant Professor, Humanities
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Norman Heiman, Adjunct Associate Professor, Accounting
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Ann Helfgott, Adjunct Instructor, Humanities
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Charles Hinrichs, Adjunct Instructor, Criminal Justice
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Stephanie Hirschman, Adjunct Instructor, Humanities
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Klaus Hoffman, Adjunct Instructor, Business Administration
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Sarah Hoglund, Adjunct Instructor, History
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John W. Hooper, Adjunct Assistant Professor, Theatre/Communications
Lori Hooper, Adjunct Instructor, Sociology
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Donald E. Howard, Jr., Adjunct Assistant Professor, Music
Vivian Hudson, Adjunct Instructor, Counseling
William C. Hudson, Adjunct Professor, Mathematics
Ronald Huetter, Adjunct Instructor, History
George Hughes, Adjunct Professor, Business: Law/Criminal Justice
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Michael Hunt, Adjunct Instructor, Criminal Justice
Mary Anne Huntington, Adjunct Professional Assistant 2, Academic Computing
Bruce Hutchins, Adjunct Professional Assistant 1, Biology/Physics
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I
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Diane Impaglazzo, Adjunct Assistant Professor, Office Technologies
Ricki Imundo, Adjunct Instructor, Physical Education
Anthony Infantino, Adjunct Instructor, Business Administration
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William Israel, Adjunct Instructor, Mathematics
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Kay Jones, Adjunct Professional Assistant 1, Administration

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Daniel Jamieson, Adjunct Instructor, Psychology

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Muhammad A. Jatoi, Adjunct Professional Assistant 1, Academic Computing

Muhammed Jatoi, Adjunct Professional Assistant 1, Academic Computing

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Darren Johnson, Adjunct Instructor, English

Joy Johnson, Adjunct Instructor, English

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Spyro T. Kalas, Adjunct Instructor, Visual Arts

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Martha Kellner, Adjunct Instructor, Orientation Seminar

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Margaret F. Kelly, Adjunct Assistant Professor, Reading

Margaret Kelly, Adjunct Assistant Professor, English as a Second Language

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Kathleen Kelson, Adjunct Assistant Professor, Visual Arts

Kathleen Kennedy, Adjunct Instructor, English as a Second Language

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Philip E. Kenter, Adjunct Professor, Business Administration

Rochelle Kertzer, Adjunct Instructor, Mathematics

Stanley Keslonsky, Adjunct Assistant Professor, Physical Education

Joseph F. Keuler, Adjunct Instructor, Drafting
June Kiefer, Adjunct Assistant Professor, Nursing
Robert Kiernan, Adjunct Instructor, Mathematics
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Rachel Kimbell, Adjunct Instructor, Mathematics
Carmen Kiraly, Adjunct Instructor, Nursing
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William C. Kiriazis, Adjunct Associate Professor, Visual Arts
Barbara Kirshner, Adjunct Instructor, Communications
Patricia Kist, Adjunct Associate Professor, Mathematics
Brian Klammer, Adjunct Professional Assistant 1, Physical Education
Nina Klaufer, Adjunct Professional Assistant 1, Occupational Therapy Assistant
Kathryn Kleypas, Adjunct Instructor, English
Adrienne Kline, Adjunct Instructor, Mathematics
Karl Klug, Adjunct Instructor, Health and Human Services
Charlene Knaple, Adjunct Associate Professor, English
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Ellen B. Koch, Adjunct Instructor, English as a Second Language
Arthur J. Koerner, Adjunct Instructor, Engineering/Technology
Tracy A. Koerner, Adjunct Instructor, Nursing
Andrea Koetter, Adjunct Instructor, English
Dianne P. Kohl, Adjunct Associate Professor, English
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Kevin Kolkmeyer, Adjunct Instructor, English
Francis Kollman, Adjunct Instructor, Criminal Justice
Leslie Konits, Adjunct Instructor, Economics
Leah Kontovrakis, Adjunct Assistant Professor, Mathematics/Orientation Seminar
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Joseph Kosina, Adjunct Professional Assistant 1, Administration
Maureen Kotlas, Adjunct Instructor, Fire Protection Technology
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Kevin Koubeek, Adjunct Assistant Professor, Construction Technology
Susan Koukounas, Adjunct Professional Assistant 1, Mathematics
Nancy Kouris, Adjunct Instructor, Physical Education
Marcia Kouskalis, Adjunct Assistant Professor, Nursing
Michael Kozien, Adjunct Instructor, Visual Arts
Dennis Kramer, Adjunct Assistant Professor, Electrical Technology
Maria Kranidis, Adjunct Instructor, English
Marie Kratochvil, Adjunct Associate Professor, Economics
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John F. Kreutz, Adjunct Instructor, Political Science
Christopher A. Krietsch, Adjunct Instructor, English
Mary Krisowaty, Adjunct Instructor, Physical Education
George Krooacker, Adjunct Professor, Business Administration
Donald G. Kubiesko, Adjunct Assistant Professor, Office Technologies
Claudia Kuehn, Adjunct Assistant Professor, Visual Arts
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Lisa Lagatto, Adjunct Instructor, Foreign Language
Chad Laird, Adjunct Instructor, Visual Arts
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Lora Lamanno, Adjunct Professional Assistant 1, Hotel/Restaurant Management
Stanley L. Lamberg, Adjunct Professor, Biology
Robert F. Lambiase, Adjunct Associate Professor, Electrical Technology
Gene Lamendola, Adjunct Instructor, Music
Gary J. Lamm, Adjunct Assistant Professor, Computer Science/Information Technology
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Nicole Lawrence-Ascoli, Adjunct Professional Assistant 1, Mathematics

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Myrna Lebron, Adjunct Instructor, English as a Second Language
Carmelle LeCorps, Adjunct Instructor, Health Information Technology
Dawn Lee, Adjunct Instructor, Visual Arts
Gale J. Lee, Adjunct Instructor, English as a Second Language
Hosung Kim Lee, Adjunct Instructor, Music
Steven Lee, Adjunct Instructor, Physical Education
Winston Lee, Adjunct Instructor, Health and Human Services
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Linda Lehmann, Adjunct Professional Assistant 1, Reading
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Inge Linker, Adjunct Instructor, English
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Geri Lipschultz, Adjunct Instructor, English
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Marvin E. Loewen, Adjunct Associate Professor, Chemistry
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George Lomaga, Adjunct Professor, Earth and Space Science
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Joseph C. Lombardo, Adjunct Associate Professor, Philosophy
Robin Lombardo, Adjunct Assistant Professor, Recreation Leadership/Health and Human Services
Michael Lomonico, Adjunct Assistant Professor, English
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John Longo, Adjunct Professor, Library Services
Virtudes Lopez, Adjunct Instructor, Foreign Language
Ann Loud, Adjunct Instructor, Theatre
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Clarita Love, Adjunct Professional Assistant 1, Theatre
Diane Loverso-Cirino, Adjunct Instructor, English as a Second Language
Jeffrey B. Lowen, Adjunct Professional Assistant 2, Biology
Michael F. Lowitt, Adjunct Instructor, Orientation Seminar
Martin Lubin, Adjunct Instructor, History/Humanities
John Luchsinger, Adjunct Instructor, Physical Fitness
Daniel Luciano, Adjunct Instructor, Physical Education
Peter Luciano, Adjunct Associate Professor, Physical Education
Barry Luckman, Adjunct Instructor, Physical Education
Vicki Luckman, Adjunct Instructor, Physical Education
Michael V. Lucrezio, Adjunct Instructor, Nursing
Erin Ludlam, Adjunct Instructor, Health and Human Services
Richard Lukaschek, Adjunct Assistant Professor, Mathematics
John Luna, Adjunct Instructor, Economics
Dorothea Lunarwoman, Adjunct Professor, Anthropology/Psychology
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Pamela Lynch, Adjunct Instructor, Biology
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Virginia Lyons, Adjunct Instructor, Nursing

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Noreen MacDonald, Adjunct Instructor, English as a Second Language
Susan MacDonald, Adjunct Assistant Professor, Physical Education/Orientation Seminar
Michael Macioce, Adjunct Instructor, Visual Arts
Elaine Macellan, Adjunct Instructor, Biology
Janet MacMillan, Adjunct Instructor, Reading

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Cynthia Maddalena, Adjunct Professional Assistant 1, Computer Science/Information Technology
Honour Maddock, Adjunct Assistant Professor, Criminal Justice
Kathleen Madigan, Adjunct Instructor, Library Service

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Alice Magrisi, Adjunct Instructor, Psychology
James R. Maher, Adjunct Assistant Professor, Criminal Justice

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James E. Mahoney, Adjunct Assistant Professor, English
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Katherine Majowka, Adjunct Assistant Professor, English

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Louis Malerba, Adjunct Assistant Professor, Communications
Carol Malley, Adjunct Professional Assistant 1, Administration

Sean P. Malloy, Adjunct Assistant Professor, Mathematics
John Malnichuck, Adjunct Associate Professor, English
John Malskis, Adjunct Professor, Mathematics
Theodora Mamatas, Adjunct Instructor, English
Judy Mancin, Adjunct Instructor, English as a Second Language

Robert Mancini, Adjunct Instructor, Biology
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Roberta Mandell, Adjunct Instructor, Orientation Seminar

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Beverly Mann, Adjunct Assistant Professor, English/Orientation Seminar
Joyce Mann, Adjunct Instructor, Communications
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Michael G. Mannix, Adjunct Professor, Health and Human Services
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Lydia Marcantonio, Adjunct Assistant Professor, Communications/Theatre
Julius Marcucci, Adjunct Professor, Mathematics

Linda Marfoglio, Adjunct Instructor, Orientation Seminar
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Susan Nifenbecker, Adjunct Instructor, Nursing
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Stacie Norman, Adjunct Instructor, Physical Education
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Vladimir Ovtcharenko, Adjunct Instructor, Biology
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Vincent Parisi, Adjunct Instructor, Mathematics
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Emily Parry, Adjunct Associate Professor, English
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Dorothy Patrick, Adjunct Assistant Professor, Orientation Seminar
Anne Patterson, Adjunct Instructor, Mathematics
Theresa Paukovits, Adjunct Professor, Nursing
Aristodem Pavlou, Adjunct Instructor, Culinary Arts
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Karen Perez, Adjunct Assistant Professor, American Sign Language
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Tu Pham, Adjunct Professional Assistant 1, Mathematics
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Alan S. Phillips, Adjunct Associate Professor, Business Administration
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Christina Pietras, Adjunct Professional Assistant 1, Mathematics
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Andrew Polan, Adjunct Instructor, Ophthalmic Dispensing
Richard Polansky, Adjunct Instructor, Mathematics
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Jonathan Reilly, Adjunct Instructor, Visual Arts
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Stuart Rosenberg, Adjunct Assistant Professor, Economics
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Marc Matyas, Class of 1993
Entrepreneur

Marc graduated from SCCC in 1993 with a 3.9 GPA and then transferred to Columbia University, where he received a General Studies Scholarship, was named to the Dean’s List, and graduated *cum laude* in 1996. While he was a student, he also established a career that began in the restaurant industry, moved through the government and high-tech sectors, and has now come full circle to building and managing hospitality establishments in New York and London with the opening of Rooftop Management, Inc.

Shortly after graduating from Columbia, Marc moved from managing the Peninsula Hotel Spa in New York to serving as deputy director in the Strategic Business Division of the New York Empire State Development Corporation. There he identified and secured over $19 million in government incentives for private and public companies and non-profit organizations which helped retain and create over 3,500 jobs.

Next, Marc moved into e-commerce technology. Between 1999 and 2002 he launched two successful software companies, eAssist Global Solutions and Audium Corporation, and then moved to the U.K. to become the international business development manager for Scan Mobile, Inc., a provider of mobile application and server technology.

Upon returning from Europe in 2002, Marc founded Rooftop Management and is in the process of opening NoLIta House, a New York City “community-centric” restaurant that serves contemporary comfort foods prepared from local and seasonal products. He is NoLIta’s executive chef and also manages its marketing and promotions, vendor relations, and business and community development.

Marc credits SCCC with giving him a strong start. “The staff at Suffolk sincerely cares about their students,” he says. “They challenged me both academically and personally by providing the skills, direction and confidence necessary to realize my full potential.”
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Athletics: Intercollegiate sports (Division III of the National Junior College Athletic Association – NJCAA)
   Men: baseball, basketball, bowling, cheerleading, cross country, golf, lacrosse, soccer, swimming, tennis, outdoor track and field
   Women: basketball, bowling, cheerleading, cross country, softball, swimming, tennis, outdoor track and field, volleyball

Intramural sports

Student Services/Student Life:
   Educational, Career, Transfer and Personal Counseling
   Disability Services
   Career Services, Cooperative Education, Internships
   Children’s Learning Centers (child care)
   Student Newspaper and Literary Publications
   Theatre Productions, Musical Performances, Art Exhibits
   Films, Lectures, Concerts, Trips
   50 clubs

Academic Support Services:
   Learning Labs for Mathematics, Computers, Reading, Writing
   Tutorial Services
   Assigned Faculty Advisor

And More...
   Small Class Size Averaging 22 Students
   Low Student/Faculty Ratio of 18:1
   Accessible Faculty
   Honors Program
   English as a Second Language (ESL) Program
   Transfer Opportunities
   Joint Admission Agreements
   Unified Transfer Programs of Study
   One of the leading community colleges in the nation in producing Phi Theta Kappa All-USA Academic Team members

more information on inside front cover