# CATALOG
## 2012–2013

Greenfield Community College
One College Drive
www.gcc.mass.edu
Voice/Relay: (413) 775-1000
Fax: (413) 775-1827

**PLEASE NOTE** these important numbers and web addresses

<table>
<thead>
<tr>
<th>OFFICE</th>
<th>PHONE</th>
<th>WEB ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Advising Center</td>
<td>(413) 775-1339</td>
<td><a href="http://www.gcc.mass.edu/advising">www.gcc.mass.edu/advising</a></td>
</tr>
<tr>
<td>Admission</td>
<td>(413) 775-1801</td>
<td><a href="http://www.gcc.mass.edu/admission">www.gcc.mass.edu/admission</a></td>
</tr>
<tr>
<td>Disability Services</td>
<td>(413) 775-1812</td>
<td><a href="http://www.gcc.mass.edu/ds">www.gcc.mass.edu/ds</a></td>
</tr>
<tr>
<td>Enrollment Services (Registration)</td>
<td>(413) 775-1801</td>
<td><a href="http://www.gcc.mass.edu/register">www.gcc.mass.edu/register</a></td>
</tr>
<tr>
<td>Financial Aid</td>
<td>(413) 775-1109</td>
<td><a href="http://www.gcc.mass.edu/financial-aid">www.gcc.mass.edu/financial-aid</a></td>
</tr>
<tr>
<td>Transfer Office</td>
<td>(413) 775-1207</td>
<td><a href="http://www.gcc.mass.edu/transfer">www.gcc.mass.edu/transfer</a></td>
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</tbody>
</table>

Phone the college’s main number (413) 775-1000 or visit www.gcc.mass.edu for offices not listed above.
2012-2013 Academic Calendar

Please note: Dates listed on academic calendars relate to full semester classes only. Calendars for classes with a modified schedule, e.g. extended weeks, reduced weeks, etc., are available in the Registrar’s Office.

FALL SEMESTER 2012

Aug 27 New Employee Orientation
Aug 28, 29, 30 Enrollment Days
Aug 29 Faculty on contract
Aug 29 New Student Orientation
Aug 30 Professional Half-Day (MCCC)
Aug 30 Opening Day for faculty and staff
Sep 3 Labor Day - no day or evening classes
Sep 4 Day and evening classes begin
Sep 10 Last day to add day and evening classes
Sep 10 Last day to drop/withdraw from credit courses with 100% refund*
Sep 17 Last day to drop/withdraw from credit courses with 75% refund*
Oct 2 Incomplete ("IN") grades converted to "F"
Oct 5 Last day to drop/withdraw - No Record
Oct 8 Columbus Day - no day or evening classes meet as scheduled
Oct 26 Early Progress Reports due by 2:00 p.m.

SPRING SEMESTER 2013

Jan 18 New Employee Orientation
Jan 19, 22, 23, 24 Enrollment Days
Jan 23 Professional Half-Day (MCCC)
Jan 24 New Student Orientation
Jan 25 Day and evening classes begin
Jan 31 Last day to add day and evening classes
Jan 31 Last day to drop/withdraw from credit courses with 100% refund*
Jan 31 Last day to drop/withdraw from credit courses with 75% refund*
Feb 7 Last day to drop/withdraw from credit courses with 75% refund*
Feb 18 Washington's Birthday - no day classes, evening classes meet as scheduled
Feb 22 Incomplete ("IN") grades converted to "F"
Feb 28 Last day to drop/withdraw - No Record
Mar 18,22 Spring Recess - no day or evening classes
Mar 18 Evacuation Day (observed)
Mar 26 Early Progress Reports due by 2:00 p.m.

SUMMER SESSION I - 2013

May 22 Classes begin
May 23 Last day to add classes
May 27 Memorial Day - no day or evening classes
May 28 Last day to drop/withdraw from credit courses with 100% refund*
May 31 Last day to drop/withdraw from credit courses with 75% refund*
June 6 Last day to drop/withdraw - No Record - credit classes
June 12 Early Progress Reports due by 2:00 p.m.
June 17 Bunker Hill Day - day and evening classes meet as scheduled
June 25 Last day to drop/withdraw with a grade of "W" - credit classes
July 4 Independence Day - no day or evening classes
July 11 Last day of classes
July 15 Final grades due by 10:00 a.m.

SUMMER SESSION II - 2013

Aug 15 Classes begin
Aug 16 Last day to add classes
Aug 18 Last day to drop/withdraw from credit courses with 100% refund*
Aug 20 Last day to drop/withdraw from credit courses with 75% refund*
Aug 29 Last day to drop/withdraw - No Record - credit classes
Aug 29 Early Progress Reports due by 2:00 p.m.
Aug 29 Last day of classes
Sep 3 Final grades due by 10:00 a.m.

* minus $20 registration fee
WELCOME

Dear Students,

Whether your goal is to transfer to earn a baccalaureate degree, graduate ready for a job in the local workforce or to take courses for personal development, we are pleased that you chose GCC. This college has a rich tradition of academic excellence. The learning process can be a challenging one. Our faculty will ask you to stretch old muscles and develop new ones. It will take courage, patience, and persistence on your part, but GCC also has a rich tradition of student success. The faculty and staff of this college are committed to the development of each and every student who attends.

We are proud of the learning environment that we create for all who access the college. As a relatively small college we have the opportunity to get to know our students. You are much more than a number at GCC. Our students are at the center of a rich, caring and diverse learning community. Ultimately, our goal is to equip you with the knowledge and skills necessary to reach your highest potential.

Learning is not something that you do as a student in preparation for life – learning is a way of life. On behalf of the faculty, staff and Board of Trustees, I want to welcome you to Greenfield Community College and those possibilities.

Sincerely,

Robert Pura, President
General Information

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- Financial Aid
- Grades and Academic Progress
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- Individual Rights
- Services to Students
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- Community Education and Workforce Development Programs
General Information

VISION:
Strengthening Our Community
Lives change for the better every day at Greenfield Community College. Families grow stronger and so too our community. Our vision is to strengthen our community one student at a time. We understand our role and responsibilities, as a college in the global community, to create a better world for all.

MISSION:
Teaching and Learning Together
Our mission is to teach, in a small, supportive and intimate learning environment, the knowledge and skills necessary for our students to reach their highest potential. Our doors are open to all who seek to learn. In striving to fulfill this mission we also seek to learn the knowledge and skills necessary to reach our highest potential as a college. At GCC, we are passionate about teaching and learning together!

PRINCIPLES OF EDUCATION
“We are all about learning”—Bob Pura, President GCC
These principles articulate the implicit assumptions regarding teaching and learning held dear by members of Greenfield Community College and represent the ideals to which the GCC community aspires. They apply to all members of the GCC community—students, employees and trustees.

These principles intend to provide a foundation on which members of the community develop and teach courses, engage students, hire faculty and staff, design professional development activities and structure budgets. These principles should inform the daily, habitual life of all members of the College, having both immediate and lasting impact. As teaching and learning are at the heart of the College, these principles appropriately shall guide the College into the future.

The College maintains a learning environment that values the process of learning as much as the knowledge taught; an environment that encourages independent thinking and divergent activities; and an environment that elevates members of the community and inspires them to:
• Develop independent and interdependent, lifelong learning strategies
• Nurture their aspirations, confidence, curiosity, imagination, self-respect and responsibility to others
• Explore and adapt to new ideas in both work and leisure
• Understand social change and individual development and take responsibility for sustaining both
• Accept the constancy of change and cope with, adapt to and manage change effectively in all areas of one’s life
• Possess self-determination with a realistic assessment of one’s aptitudes and inclinations

Members of the GCC community have the opportunity to acquire the knowledge, skills and attitudes that empower them to clarify values, express ideas, solve problems, and embrace learning as a life-long process.

Diversity and Community
The College creates and fosters an environment for work and learning in which one may achieve a level of comfort with one’s individuality and culture, while accepting and respecting the individuality and cultures of others. The College encourages each member of its community to:
• Recognize how the foundation of one’s ideals and values emanate from one’s particular background and experience
• Participate in communities as both teacher and learner; connecting with others, sharing thoughts and creating knowledge while taking advantage of an open environment that values critical thinking and civil discourse
• Enhance one’s understanding of various forms of discrimination and oppression while embracing the principles of access to promote equitable opportunity for all in the teaching and learning experience
• Explore, understand, and respect the tenacity and validity of diverse values and heritage
• Appreciate the interconnectedness of global events and issues and one’s place in the web of life
• Develop an environment that encourages active learning and values the differing approaches of all community members

Literacy and Communication

The College promotes effective expression in many forms for making public meaning and personal significance. Symbolic interpretation and representation of ideas and emotions, using logical and aesthetic systems that cultivate various modes of self-expression, contribute to successful interpersonal and intrapersonal communication. The College policies and practices ensure that all its members continue to develop their capacities to:

• Enhance literacy in all areas—reading, listening, viewing, writing, speaking, creating, and movement
• Reason quantitatively, using numerical data to meet personal and vocational needs and to respond to a world increasingly dependent on the understanding of a broad range of quantitative concepts and processes
• Identify a need for information and know how and where to find it
• Use language to communicate effectively with other individuals and groups, including basic functional ability in a language other than one’s own
• Function constructively in both a leadership and participatory role within groups

Knowledge and Thinking

The College expects members of the community to think critically and to conduct disciplined inquiry, using both their minds and hearts in order to understand the complexity and simplicity of ideas and actions; to prioritize and make decisions; to identify and solve problems; to evaluate and judge; in short, to think independently. The College encourages each member to:

• Access, organize, interpret, evaluate, synthesize and apply information
• Reflect on and assess information and knowledge from differing perspectives
• Develop knowledge of one’s feelings, values and biases and how they relate to one’s thinking and behavior
• Integrate knowledge from multiple disciplines to make thoughtful and informed decisions
• Base decisions on factual and affective evidence rather than on unexamined opinions
• Determine the nature of a problem, analyze the problem and implement an appropriate solution, applying scholarly theories and methods where appropriate
• Evaluate, integrate and adapt to technological change

Adopted by the Greenfield Community College Assembly, May 17, 2004

GENERAL EDUCATION ABILITIES

The College expects students to develop foundations and skills for lifelong learning, including the following General Education Abilities:

1. Appreciate diverse cultural and individual perspectives
2. Solve problems collaboratively
3. Reason and act ethically
4. Demonstrate civic knowledge and engagement
5. Communicate in various modes and media
6. Use quantitative concepts and processes
7. Locate, evaluate and use various sources of information
8. Explore the natural and physical world
9. Think creatively and critically
10. Apply, integrate, and synthesize learning

Adopted unanimously by the Greenfield Community College Assembly on May 2, 2011.

STATEMENT OF INCLUSION
As an inclusive community, Greenfield Community College engages in intentional and ongoing reflection of diversity as we seek to create a culture that values, encourages, and embraces a wide range of individual and group differences.

STATEMENT OF NON-DISCRIMINATION
It is the policy of Greenfield Community College to prohibit unlawful discrimination on the basis of race, ancestry, color, gender, religion, ethnic or national origin, age, personal disability, veteran status, social class, or sexual orientation. The College operates under an affirmative action plan and encourages under-represented individuals to apply, both in terms of employment and to all rights, privileges, programs, and activities generally accorded or made available to its students. This policy is in compliance with all applicable federal, state and local statutes, ordinances and regulations. All inquiries concerning the above should be directed to the College’s Affirmative Action Office.

Greenfield Community College
One College Drive
Greenfield, MA 01301-9739

Phone: (413) 775-1000 • Fax: (413) 775-1827 • Website: www.gcc.mass.edu

GCC THEN AND NOW: OUR HISTORY
Greenfield Community College, in the Pioneer Valley of western Massachusetts, was founded in 1962 by visionary community members who knew a community college would offer opportunities for growth to the people of Franklin County and southern Vermont and New Hampshire.

In GCC’s first year, just over 100 students attended classes in an old elementary school, a former factory and a remodeled warehouse in the center of Greenfield. The College moved to its main campus in the “The Meadows” area of Greenfield in 1974. Expanding further, GCC opened the Downtown Center in 1995 to house the Greenfield Community College Foundation, Alumni Affairs, Community Education, and the nursing and health occupation programs. As growth continued, the East building was added to the main campus in 1999. It provides state-of-the-art dance class facilities, the fitness center, laboratories, classrooms and offices. In 2011, GCC revitalized and redesigned the core of the main building. From the ground-level entrance up through the fourth floor, the new Core incorporates universal design principles to meet the needs of all our students. Students will be able to move fluidly from the enlarged Cafeteria/Dining Commons and blended Enrollment Services on the first floor to Student Life and Cultural Center on the second, up to the expanded Library and enhanced Learning Center on the upper floors.

With an annual fall enrollment of over 2,300 students, GCC is the smallest of the 15 community colleges in the Massachusetts higher education system and is known for its caring and supportive faculty and staff and strong community support. GCC is fully accredited by the New England Association of Schools and Colleges. GCC works closely with bachelor degree granting colleges of the Massachusetts public higher education system, including the University of Massachusetts, and with private colleges and universities, to offer diverse transfer opportunities to GCC students.

The College’s career programs prepare students to enter the work force or update their skills, while credit-free workshops and seminars are offered for personal enrichment and job training. Day, evening and online classes are offered to accommodate a wide range of student schedules.
GCC IS FULLY ACCREDITED

Greenfield Community College is accredited by the Commission on Institutions of Higher Education (CIHE) of the New England Association of Schools and Colleges (NEASC), and its accreditation was most recently reaffirmed in March 2011. Greenfield Community College has demonstrated that it meets the CIHE’s eleven Standards for Accreditation and complies with its policies. GCC’s 2010 Institutional Self-Study is available with the President’s Welcome at the College’s website, www.gcc.mass.edu. GCC is a Title IV Federal Student Financial Aid eligible institution.

Greenfield Community College is also accredited or approved by specialized accrediting bodies. Specialized accreditation or approval encourages program improvement by applying specific accreditation requirements to measure characteristics of a program and by evaluating the overall quality of a program. GCC programs are accredited or approved by the following:

- **Associate’s Degree Program in Nursing**—accredited by the National League for Nursing Accreditation Commission; and approved by the Massachusetts Board of Registration in Nursing
- **Certificate Program in Outdoor Leadership**—accredited by the Association for Experiential Education
- **Certificate Program in Paramedic**—accredited by the Commonwealth of Massachusetts’ Office for Emergency Medical Services (OEMS)
- **Associate’s Degree Program in Criminal Justice**—Police Career Incentive Program (PCIPP) or Quinn Bill approved by the Massachusetts Board of Higher Education
- **Certificate Program in Practical Nursing**—approved by the Massachusetts Board of Registration for Nursing
- **Associate Degree Program in Early Childhood Education**—National Association for the Education of Young Children

GENERAL POLICY ON ADMISSION

Office of Admission
Greenfield Community College
One College Drive
Greenfield, MA 01301
(413) 775-1801

Greenfield Community College maintains a policy of open admission to all but a few of its degree and certificate programs. Students who have earned a high school diploma or its equivalent, earned a General Education Diploma (GED), or completed an approved home-schooling plan may matriculate into a degree or certificate program. Matriculation means that GCC has admitted a student into a particular degree or certificate program. Students who have not reached their high school graduation dates should refer to the General Policy on Early Entrants below. Students who have completed an approved home school program should refer to the Home Schooling Policy below.

Certain programs (majors) of study may require students to earn a high school diploma, or its equivalent, or a GED either as a prerequisite for admission or as a requirement of graduation. State governing boards may require a high school diploma or its equivalent or a GED for certification or licensure. For more information about these programs, contact the Office of Admission.

Students who seek to register for a class, but not matriculate into a degree or certificate program, must demonstrate their readiness for coursework at GCC by scoring satisfactorily on standardized placement tests in reading, writing, and mathematics, or by having successfully completed an appropriate course in English Composition and/or mathematics at another college (a math course must have been within the last five years). The College reserves the right to limit or deny enrollment of any student in a course or program based on its case-by-case consideration of a variety of factors, including, but not limited to, the student’s maturity, life experience, placement test scores, prior education, course content, instructional methodology, and risks associated with a particular course or program.

Certain courses may not be suitable for all students. Specific courses or programs may require students and/or their parents or guardians to acknowledge this in writing, and may require additional approval by the appropriate faculty and/or Academic Dean.
General Information

Admission to the College
1. Submit an Application for Admission by visiting our website at www.gcc.mass.edu/admission, then click on Apply Online or by calling the Office of Admission at 413-775-1801 if you would like to have a paper application mailed to you.

3. Applicants who are high school seniors at the time of application should ask their high school to send an official transcript of their academic records upon graduation to the Office of Admission.

Readmission to the College
Students who have had a break in their attendance at the College for four semesters or less are eligible to register for courses without reapplying to GCC providing they are in good standing. Those students who have had a break in their attendance for more than four consecutive semesters will need to reapply to the College prior to registering for courses. Application for readmission can be found at www.gcc.mass.edu/admission.

General Policy on Early Entrants
Greenfield Community College defines early entrants as students who seek to enroll in credit-bearing courses at the college prior to the secondary schooling completion date. In order to be enrolled as an early entrant student one must do the following:
• Submit a completed application for early entrant students on-line at www.gcc.mass.edu/admission
• Submit all additional forms indicated at the time of submitting your application to the Office of Admission.
• Demonstrate their readiness for coursework at GCC by scoring satisfactorily on standardized placement tests in reading, writing, and mathematics.

The Educational Transition Program (ETP)
The Educational Transition Program serves Greenfield and Turners Fall High School students seeking an alternative approach to completing high school and starting college. This program is designed for students who are 16 years of age or older, in their junior or senior year in high school, and are committed to getting their high school diploma while attending classes at the College. ETP students simultaneously earn high school and college credit and receive support services from program staff. Working with the student’s high school guidance counselor, GCC creates a program of study that takes advantage of the College’s course offerings while fulfilling the student’s high school graduation requirements. For more information, please contact the ETP Coordinator at (413) 775-1846.

Home Schooling Policy
All home schooled students, without a high school diploma or General Education Diploma (GED), may apply for admission to a degree or certificate program provided they have successfully completed an approved home school program in accordance with Massachusetts General Laws or the laws of their home state. Home schooled students may self-certify their completion of an approved home school program.

Home schooled students must submit, with the Application for Admission, evidence that the home school program was approved by the student’s school district’s superintendent or school committee. If the student is under the age of compulsory attendance (16 years old in Massachusetts) and has completed a home school program, the student’s school district’s superintendent or school committee must provide a letter stating the student is not considered truant and would not be required to attend further schooling or continue to be home schooled.

How to Apply for Admission to Health Occupation Programs
Health Occupation programs require an additional admission process. Upon acceptance to the College, students will be matriculated as a Liberal Arts/Health Science major with intent for their chosen health occupation program. Detailed information about the additional requirements for eligibility for their chosen program may be obtained from the college website or from the Office of Admission. Greenfield Community College has collaborative agreements with Berkshire
Community College, Holyoke Community College and Mount Wachusett Community College for enrollment in selected health occupation programs that are not currently available at GCC. Participating students are subject to program requirements at the collaborating institutions. For further information, contact the Office of Admission.

**Additional Admission Requirements**

**Immunization and Health Requirements**

Greenfield Community College, in compliance with the College Immunization Law, Chapter 76 Section 15C of the Commonwealth of Massachusetts, has adopted the following immunization policy: All full-time students (enrolled in 12 or more credits), and all full-time and part-time students on visas, must provide the Health Services Office with documentation of immunity to specified communicable diseases within 30 days of starting classes. Failure to comply with these requirements will jeopardize continued enrollment, receipt of grade reports, transcripts, etc. Medical and religious exemptions are allowed. All full and part-time health occupation students must provide the Health Services Office with documentation of a physical exam and immunity to specified communicable diseases. Health occupation students will not be permitted to attend classes without a completed health record. For a list of current immunization requirements, or assistance in meeting immunization requirements, contact the Health Services Office at (413) 775-1430.

**Criminal Offender Record Information Checks**

Students interested in participating in an academic program that involves working with children, the disabled, or the elderly, or includes a clinical affiliation with a private or public health care provider, will be required to undergo a Criminal Offender Record Information (CORI) check. Depending on the contents of a student’s CORI report, participation in an academic program, or clinical affiliation related thereto, may be denied. CORI checks may be performed pursuant to Mass. General Laws, Chapter 6, Sections 167-178B, and consistent with guidelines of the Executive Office for Health and Human Services, and/or the Commonwealth’s Department of Public Health. For more information, please contact the Staff Assistant to Student & Academic Affairs at (413) 775-1816.

**Transferring from Other Schools and Colleges** *

Students applying for admission to Greenfield Community College who have attended other post-secondary institutions must submit official transcripts from those institutions to the Office of Admission. Official transcripts are required if a student:

1. needs documentation of appropriate previous successful college course work for exemption from placement testing, or
2. intends to transfer credit toward a degree or certificate program at GCC, or
3. expects to enter one of GCC's health occupation programs.

Transfer credit is generally given for those courses that are similar in content, level, and scope to courses offered at Greenfield Community College, and in which at least a C- grade has been earned. A student must earn a minimum of 15 semester hours at GCC to be eligible to receive the associate’s degree. Once transcripts have been received by GCC from another college, they are the property of GCC. Originals and copies cannot be given back to students.

Students are encouraged to review the courses that were and were not credited towards a particular degree requirement. An appeal of those decisions is possible by speaking with the transfer credit evaluator. Furthermore, if a student changes majors while at GCC, they should ask that their transcript be reviewed again as more transfer credits may be awarded towards the new degree.

* There are stricter standards for the Criminal Justice Programs.

**Additional Certifications**

Some programs, such as Associate Degree Nursing, Practical Nursing Certificate Program, Outdoor Leadership Certificate, and Paramedic Certificate, require certification in areas such as EMT, CPR and Wilderness First Responder. Please refer to the application process materials for those individual requirements.
General Information

International Students

Greenfield Community College welcomes international students. The College does not have housing, but students may refer to www.gcc.mass.edu/students/housing for a list of resources. Financial assistance through Greenfield Community College is not available under any federally-funded financial aid program for students with visas. Therefore, international students must have ample financial resources to meet their college expenses. The full cost of tuition and fees are payable upon registration each semester.

Estimated Expenses for International Students per Academic Year*

<table>
<thead>
<tr>
<th>Expense</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Tuition and fees</td>
<td>$13,396</td>
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<tr>
<td>Room and board (food)</td>
<td>$11,288</td>
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<tr>
<td>Books and supplies</td>
<td>$1,190</td>
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<tr>
<td>Medical care and insurance</td>
<td>$866</td>
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<tr>
<td>Personal expenses</td>
<td>$2,168</td>
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<tr>
<td>Transportation</td>
<td>$1,475</td>
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<tr>
<td>(after arrival in U.S.)</td>
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<tr>
<td>Total expenses</td>
<td>$30,383</td>
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* These costs reflect the tuition-and-fee schedule for the 2011-2012 school year, based on 15 credit hours per semester. All costs are subject to change and may vary for each student.

International students should submit their completed application to the Office of Admission at least six months prior to the time they plan to attend. Contact the admission staff as soon as possible to ensure that all necessary requirements have been met. Please refer to the International Student Information Packet on the Admission section of our website for specific admission requirements.

English for Speakers of Other Languages

Students who demonstrate proficiency in English through scores on placement assessments will not be required to take course work in English for Speakers of Other Languages (ESOL). Students with placement assessment scores that indicate need for further English language study will be enrolled in ESOL classes. Enrollment in some courses is limited to those with sufficient proficiency in English. GCC offers four levels of ESOL courses. Students interested in language support or ESOL tutoring may call (413) 775-1226 for more information.

How to Get Credit Applied to a Program of Study

Students declaring a program of study may qualify for transfer credits based on previous educational experiences, including courses completed at other accredited or recognized institutions of higher education. Students may transfer credit earned at other colleges and universities to GCC provided they earned a grade of C- or better. Grades will not transfer and are not used to calculate grade point average at GCC. Complete details about transfer policies may be obtained by contacting the transfer credit evaluator at (413) 775-1816.

Students may also receive college credit for:

- satisfactory performance on selected College Board Advanced Placement Examinations
- satisfactory performance on selected College Level Examination Program examinations
- demonstrated competence on GCC challenge examinations
- unique life and work experiences that lend themselves to evaluation*
- course work completed in the military through recognized educational programs*
- high school articulation agreement

* Criminal Justice programs do not award life experience credits or credit for military or police training.
Students enrolled in a certificate or degree program who wish to earn credit by examination should request an application form and contact information from the Office of Enrollment Services. A fee of $40 per credit is charged. A receipt of payment and the application form should be left in the division office before the date of the exam. Study guides for some examinations may be on reserve in the library.

Courses that currently can be challenged for credit at GCC are:
• ACC 121, Principles of Financial Accounting I
• ACC 122, Principles of Financial Accounting II
• CIS 140, Microcomputer Software Tools I
• CIS 150, Programming Principles and Concepts
• FRE 101, Elementary French I
• FRE 102, Elementary French II
• MUS 107, Music Theory I
• MUS 147, Aural Skills I
• SPA 101, Elementary Spanish I
• SPA 102, Elementary Spanish II

Students cannot challenge a course for credit if they have failed the course at GCC, and challenge exams may only be taken one time.

Currency Requirements for Courses or Program
A number of courses and programs at GCC require students to satisfy a currency requirement for some required or prerequisite courses. This requirement means students must have taken the course within a stated number of years prior to enrollment in the course or program for which its currency is required. A student who has taken such a course but who does not meet the currency requirement may qualify to take a currency examination (exams may only be taken one time). Biology, Chemistry, and Psychology courses for which a student may demonstrate currency at GCC are:
• BIO 126, Biology I
• BIO 194, Comprehensive Anatomy and Physiology I
• BIO 195, Human Anatomy and Physiology I
• BIO 196, Human Anatomy and Physiology II
• BIO 205, Microbiology
• CHE 105, Basic Principles of Chemistry
• PSY 217, Human Growth and Development

To qualify for a currency examination for BIO 126, BIO 194, BIO 195, BIO 196, BIO 205 or PSY 217, a student must submit a college transcript showing completion of an equivalent course with a grade of C or better. Students applying for a Health Occupation Program should check the specific grade requirement for that program.

To qualify for a currency examination for CHE 105, a student must submit either a college or high school transcript showing successful completion of an equivalent course with a grade of C or better.

General Education Development (GED) Tests
The GED Testing Center provides people who have not graduated from high school with the opportunity to earn a High School Equivalency Diploma. Massachusetts residents who are at least 16 years of age and not currently enrolled in high school may take the GED Tests. Free GED preparation classes are available at local adult education centers and GED Tests are offered in Greenfield and Orange. For more information, contact the GED Office, (413) 775-1147.
General Information

STUDENT BILLING

To obtain the most up-to-date information about Student Billing visit our website at: www.gcc.mass.edu/billing.

The Student Billing (Bursar’s) Office is located in room C102 on the first floor of the main campus building. This office is responsible for posting payments to student accounts, processing all refunds due to students, billing, and collection assignment.

Contact Information

Regular Office Hours (Summer hours begin in June. Check our website to obtain our summer office hours schedule.)

Monday – Thursday 8:30 a.m. – 5:00 p.m.
Friday 8:30 a.m. – 4:00 p.m.

Address:
GCC Bursar’s Office, Rm C102
1 College Drive
Greenfield, MA 01301

Main number: (413) 775-1301
Website: www.gcc.mass.edu/billing
Fax: (413) 775-1329
Email: teller@gcc.mass.edu

Tuition & fees

The estimated tuition and fee costs to attend GCC can be calculated using the downloadable tuition and fee chart from our website. Tuition charges per credit vary depending on whether you are an in-state, out-of-state, or NEBHE student. The college service fees are separate from tuition and are charged at the same rate per credit regardless of whether you are an in-state, out-of-state, or NEBHE student. Evening charges are assessed at the same rate regardless of your residency category. In addition, the health service fee and student activity fee are only charged for day class schedules. See “Explanation of Charges” section for further explanation of individual charges.

Summary of charges:

(Subject to change after July 1, 2012. Check our website for the most up-to-date information.)

<table>
<thead>
<tr>
<th>Charge</th>
<th>Basis</th>
<th>Rate Day</th>
<th>Rate Evening, Summer, Intersession</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition*</td>
<td>Per credit</td>
<td>$26*</td>
<td>$26</td>
</tr>
<tr>
<td>Registration fee</td>
<td>Per semester</td>
<td>$20</td>
<td>$20</td>
</tr>
<tr>
<td>College service fee</td>
<td>Per credit</td>
<td>$160.50</td>
<td>$160.50</td>
</tr>
<tr>
<td>Health service fee</td>
<td>Per semester</td>
<td>$11</td>
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</tr>
<tr>
<td>Student activity fee</td>
<td>Per semester</td>
<td>$30</td>
<td>$0</td>
</tr>
</tbody>
</table>

Other fees may apply.

*NEBHE day tuition is $39 per credit; this is special rate for qualifying New England residents. Out-of-state day tuition is $281 per credit. The college offers no reduction in tuition and fees for auditing a course. Credit-free courses are priced individually.

NOTE: Other waivable charges such as Health Insurance and MassPIRG, as well as books & supplies, and special program fees, are not included on the above summary of charges or the downloadable tuition and fee chart.

Tuition and fees are subject to change with the Board of Trustees approval.
General Information

Residency & NEBHE

Tuition and fee rates are calculated based on your Massachusetts or New England residency status.

In-state or out-of-state resident?

In-state residents are a U.S. citizen or a permanent resident who has established a residence in Massachusetts and have maintained continuous residency in Massachusetts for at least the six months immediately prior to the date of enrollment. An individual must be able to prove Massachusetts residency for six continuous months and intent to remain in the state. To apply for in-state residency complete an In-State Tuition Eligibility Form available on our website. For further details, contact Enrollment Services at (413) 775-1801 or (413) 775-1807.

NEBHE

Through the New England Board of Higher education (NEBHE), Massachusetts participates in the Regional Student Program (RSP) which enables students from one New England state to attend public colleges or universities in another New England state at tuition rates below those normally charged to out-of-state students. Eligible New England students who reside outside of Massachusetts currently pay 150 percent of the tuition charged Massachusetts residents. To qualify, a student must be a resident of one of the five other New England states and be pursuing a degree or certificate program not offered at a two-year community college in their home state or offered at a Massachusetts Community College closer to their home. For more information, contact the Enrollment Services Office at (413) 775-1801 or (413) 775-1807.

Explanation of charges

Health insurance charge – $928 (fall semester), $618 (spring semester), (Not applicable for summer class schedules.)

The Insurer and premium costs are subject to change after July 1. For those eligible to waive this charge, on-line waivers must be completed and submitted by a strict deadline. NO EXCEPTIONS. The deadline will be announced on our website and will be included on billing statements and supplemental materials sent with bills. After the deadline date, the online waiver will not be available and students will be required to pay this charge.

This is a mandatory waivable charge for students who meet the criteria to be charged. The Massachusetts Mandatory Health Insurance Law mandates that each Massachusetts Community College require all students who are enrolled in a degree or certificate program for nine credits or more to participate in the student health insurance program. If you are already covered under a comparable healthcare plan that is effective by at least the first day of classes, and you expect to be covered through at least August 31, 2013, you may be eligible to waive this charge. Students will be insured by Harvard Pilgrim Healthcare (PPO) Insurance Plan. The servicer of the plan is Gallagher Koster. The policy coverage period for fall is September 1, 2012 to August 31, 2013. The spring policy coverage period is January 1, 2013 to August 31, 2013.

From our website you can: access Gallagher Koster’s waiver form; obtain one of their brochures that details policy coverage; or read a summary explanation regarding the mandatory student health insurance law and eligibility criteria. If you have additional questions related to the policy itself, contact Gallagher Koster at:

Address: Gallagher Koster, 500 Victory Road, Quincy, MA 02171, Phone: 877-307-8194. You can also send your questions by email to: gccstudent@gallagherkoster.com

Financial aid funds will not pay the student insurance charge without your written authorization. Therefore, if you are a financial aid recipient and you expect your aid to pay this charge, you must authorize it in writing by completing the appropriate section of the Financial Aid authorization and certification form provided by our Financial Aid Office or available on your “MyGCC” account.

Liability Insurance:

All health occupation students are required to carry college-approved professional liability insurance.
**General Information**

**MassPIRG charge – $9 once per semester**

This is a waivable charge assessed to all day scheduled credit courses. It is a voluntary contribution to The Massachusetts Student Public Interest Research Group (MassPIRG). MassPIRG is a statewide student-directed, student funded, not-for-profit, nonpartisan organization doing work on issues including environmental, consumer, higher education, voter registration, and hunger relief. MassPIRG chapters pool their resources and hire professionals to work with students. GCC students have voted to fund a MassPIRG chapter. For information on MassPIRG, refer to www.masspirgstudents.org. Financial Aid funds will not pay this charge. Therefore, students must either pay it from their own financial resources or waive it. The charge can be waived using the green billing worksheet that accompanies fall and spring bills or by completing the online waiver located at the Student Billing Office website: www.gcc.mass.edu/billing. To waive this charge on our website, place your cursor over the “MassPIRG” menu option and click “MassPIRG Waiver.”

**Registration fee – $20 once per semester**

This mandatory fee is a non-refundable administrative fee for both day and evening credit courses. It is charged for processing your enrollment and registration.

**Tuition:** – In-state: $26 per credit, Out of state: $281 per credit, & NEHBE: $39 per credit  
(Subject to change after July 1, 2012. Check our website for the most up-to-date information.)

This mandatory charge is assessed for all day and evening scheduled credit courses. The in-state day tuition portion of your bill is remitted to the state of Massachusetts. The remainder is used to help defray the costs associated with general operations of the college.

**College Service Fees – (Effective beginning fall 2011) $160.50 per credit for In-State, Out-of-State, & NEBHE**  
(Subject to change after July 1, 2012. Check our website for the most up-to-date information.)

This mandatory charge is assessed for all day and evening scheduled courses and is used to help pay for a variety of academic services, equipment, supplies, and technology expenses.

**Campus Health Fee - $11 once per semester (Not applicable for summer class schedules)**

This mandatory fee is assessed for all day scheduled credit courses and is used to help fund the Campus Health Services Department where students can seek health care services when on campus. This is not a waivable fee.

**Student Activity Fee – $30 once per semester (Not applicable for summer class schedules)**

This mandatory fee is assessed for all day scheduled credit courses and is used to support student activities including concerts, guest speakers, music productions, clubs, and special events.

**Special Programs Fees – Cost vary**

Special additional fees may be included on your bill for specific programs such as Nursing, OLP, Music, Art, EMT, or other. If you are enrolled in a program that requires special fees for insurance, equipment, supplies, or other expenses related to the cost of running the course, these fees will apply.

**Other Fees – Cost vary**

Other fees are used to cover specific costs such as course or program fees, default payment plan fee, regular payment plan fee, or returned check fees.

**Day vs. D/D tuition & fee charges**

From a student’s prospective, there is no difference between day and D/D charges. These day charges are categorized as such strictly for college accounting purposes. If your bill shows D/D charges, they are treated as regular day charges for billing purposes.
Estimated Expenses

The cost of attending GCC varies depending on a student’s individual circumstances. In general, total expenses include tuition and fees, books and supplies, room and board, transportation, and personal expenses (such as clothing, laundry, and recreation).

<table>
<thead>
<tr>
<th></th>
<th>Living with parents</th>
<th>Living away from home</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books and Supplies:</td>
<td>$1,290</td>
<td>$1,290</td>
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<tr>
<td>Room:</td>
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<td>$312</td>
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<tr>
<td>Fees:</td>
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<td>$1,987</td>
</tr>
<tr>
<td>Total Estimated Expenses:</td>
<td>$10,877</td>
<td>$15,052</td>
</tr>
</tbody>
</table>

Housing and Transportation

GCC does not have dormitory facilities. Students may refer to www.gcc.mass.edu/students/housing for a list of resources. Ample, well-lit parking is available free of charge. The Greenfield/Montague Transportation Authority and the Franklin Regional Transit Authority provide regular bus service to campus from the greater Greenfield area. For more information go to the FRTA’s website at www.frt.org.

Annual Board of Higher Education - Affordability Disclosure Statement

Students who attend Greenfield Community College and other public higher education institutions in Massachusetts receive a substantial subsidy of their cost of education through a state appropriation. The state appropriation lowers the cost of tuition and fees to students. Many needy students also receive financial aid awards to further reduce their costs.

The annual cost information below is an example of the net cost to a Massachusetts resident taking 30 credit hours per year at Greenfield Community College. Individual costs will vary depending on each student’s particular circumstances.

- Full annual operating cost per student (estimate) $12,375
- State annual operating subsidy (estimate) $6,658
= Annual tuition and mandatory fees $5,717
- Student annual financial aid (average) $3,097

Net Student Cost $2,620

In addition to the state subsidy and student financial aid, students may also be eligible for federal income tax credits (Hope or Lifetime Learning credit). Tax credits do not reduce the initial cost to attend college, but are instead a reimbursement of tuition paid. For more information about tax credit eligibility, refer to Internal Revenue Service instructions or ask your tax advisor.

Student annual financial aid includes all federal and state grants and tuition waivers that may be applied directly to the College’s tuition and fees. Tuition and mandatory fees reflect the cost of the courses; it does not include health insurance or other miscellaneous fees.

Your bill

Bills Due Dates:

Payment for tuition and fees is due three to four weeks before classes begin each fall and spring semester. Summer session bills are always due immediately upon registration. Fall and spring due dates will be announced on our website and will be included on billing statements and supplemental materials sent with bills. For any registration activity occurring after the established fall and spring due dates, bills are due upon registration.
General Information

Billing Questions & Contacts:

You can find answers to most of your billing questions in the FAQs section of our website. Or, contact the GCC Student Billing (Bursar’s) Office. Any of our staff members can assist you. Phone: (413)775-1301, Fax: (413)775-1329, E-mail: teller@gcc.mass.edu. For information regarding your Financial Aid package call: (413)775-1109. For information regarding the official process for adding or dropping a class or withdrawing altogether contact Enrollment Services at (413)775-1801/1807 or call the Advising Center at (413)775-1339.

Billing Worksheet:

You are required to submit a Billing Worksheet with your first payment if:

1. You are waiving insurance (If you are only deducting waived insurance from your payment in full, you do not need to complete the billing worksheet.)
2. You want to waive MassPIRG and choose not to use the online waiver.
3. All or a portion of your bill is being paid by: a third party, a tuition waiver, financial aid, or scholarship
4. You are participating in the payment plan
5. You want to complete the Waiver of Confidentiality (authorize us to discuss all aspects of your tuition and fee account with someone other than yourself, including balance)

NOTE: When completing the Billing Worksheet, if you enter any deductions listed in item three above, you must submit acceptable documentation with your Billing Worksheet supporting those deductions.

If you are required to submit a billing worksheet and you are paying online, you can use our Excel Billing Worksheet Calculator version available on our website and submit it by e-mail. However, supporting documentation must be original documents and must be delivered in person or sent by mail.

If you are required to submit a billing worksheet and you are paying by mail or in person, you can use our online calculator available on our website to assist you in determining the amount you owe by the due date. However, the completed hardcopy Green Billing Worksheet that was included in your billing packet, must be submitted with your payment.

How to pay

Pay the amount due as shown on your billing statement or pay the amount due as determined by the calculation on your Billing Worksheet. Payment can be made by one of the following methods:

Pay Online

Payments can be made by the student or by an authorized payer set up by the student. We accept Mastercard, Visa, or Discover. You can also pay by electronic check. We strongly encourage that all payments be made online by the student or his/her designated authorized payer. To pay your bill online:

• Log into “MyGCC” (click “Secure Login” at the main page and enter your user ID, typically your student ID number). When logging in for the first time, your PIN is usually your date of birth (enter date format as MMDDYY).
• Select “Student”
• Select “Student Account”
• Select “Account Summary”
• When your account summary appears, scroll to the bottom of the page and click “Make Online Payment”.

You will be transferred to the secured QuikPAY website to complete the transaction.
Setting up an authorized payer

If someone else pays your bill, you can grant them access to our secure online payment system, QuickPAY, by creating an “Authorized Payer” login and password for them.

To set up an “Authorized Payer” do the following:

1. Login to “MyGCC” at the GCC website.
2. Select “Student”
3. Select “Student Account”
4. Select “Account Summary”
5. When your account summary appears, click “Make Online Payment” at the bottom of the page. You will be transferred to QuickPAY.
6. Select “Authorize Payers” at the upper left
7. Select “Add New” and complete the form.

The payer will receive an e-mail with a link to the QuickPAY website. You must provide your billing information to any “Authorized Payer” who will make payments on your behalf.

Pay by Mail

Make checks payable to GCC. Include your student ID number on your check. Send payments to:

GCC Bursar’s Office, Rm C102
1 College Drive
Greenfield, MA 01301

Pay in Person

Cash and hardcopy checks will still be accepted in the Student Billing (Bursar’s) Office in room C102. However, we urge all students or authorized payers to pay online whenever possible. If paying by credit card, the cardholder must show a photo ID. We cannot accept payment if you are not the cardholder.

Pay by Phone

We will accept payments by phone in the Bursar’s Office. However, we urge all students or authorized payers to pay online whenever possible. If paying by credit card, the cardholder must call in the payment at (413) 775-1301.

Pay in Installments

A 4-month payment plan is available for fall and spring semesters only. A $35 fee per semester applies. To sign up, see Billing Worksheet (green insert sent with bills).

IMPORTANT NOTICE: If you are not paying your bill in full by the due date, you must sign up for the payment plan and make your first payment along with the fee. See “Payment Plan” section for additional details. In addition, if you have applied for financial aid and you have not been awarded by the due date, you must sign up for the payment plan and continue to make regular payments until your financial aid is awarded and you have enough aid to pay your balance.

We cannot discuss a student account with anyone other than the student unless the student has completed a waiver of confidentiality form (see step 5 of our Billing Worksheet). The person inquiring or making payment must be listed on the waiver and a password created by the student must be provided before we can answer any questions or provide account information, including balances.
General Information

Payment Plan

A 4-month payment plan is available. If you are not paying your bill in full by the due date, you must sign up for the payment plan. See billing worksheet to calculate your payment plan amount. The payment plan due dates are firm. The due dates will be announced on our website and will be included in step four of the billing worksheet that accompanies your bill. A $35 non-refundable fee will be charged for each semester you are participating in the plan. In addition, you must sign up for the payment plan if a balance will exist after deducting any portion of your bill that is expected to be paid by other resources such as financial aid, tuition waiver, third parties (employers, government agencies, job training programs, etc.), private scholarships, in-house grant, or other. All accounts with balances of $100 or greater after the due date of the bill has passed will be charged a $35 non-refundable payment plan default fee for failure to sign up for the payment plan if alternative payment resources such as financial aid funds, third parties, or scholarships, were not in place by the due date.

If other financial resources will be paying your bill in full, you do not need to sign up for the payment plan. However, you must complete a Billing Worksheet to let us know how your bill will be paid.

When signing up for the payment plan, payments for due dates that have passed will be due at the time of sign up. In addition, if a due date is approaching, that payment must be paid by the due date. Late payments are subject to a $10 late fee for each month a payment is more than 30 days past due. To sign up for the payment plan, complete step 4 of the Billing Worksheet.

Your payment plan bill will be sent to you by mail at least 10 days prior to each due date.

Health insurance charge and payment plan:

Of all charges shown on your GCC tuition and fee account, your insurance charge is one of the last to be paid regardless of the source of payment. Therefore, if you are participating in our 4-month payment plan, your insurance charge will not be paid in full until your entire account is paid in full with your final payment on the final due date of the semester. However, once your bill is paid in full your insurance payment will be submitted to the insurance company during the first week of the next month following the date you paid in full. Your coverage will be effective retroactive to the first date of the policy period for which you paid. NOTE: An enrollment deadline to purchase insurance may apply.

If you have questions regarding the payment plan, contact the Student Billing Office at: (413) 775-1301.

Financial Aid Payments

If you have been awarded financial aid by the due date of your bill, and your aid will pay all or a portion of your bill, you must complete a Billing Worksheet. Completing the billing worksheet will defer payment for only the portion of your bill that will be paid by financial aid funds until the Financial Aid Office disburses those funds to your account. By the due date, you must pay in full any portion of your bill not paid by financial aid funds. If you do not pay your balance in full, you must sign up for the 4-month payment plan by the due date. Before returning your completed worksheet, be sure to read all statements on the reverse of the worksheet and sign and date where indicated. If you do not pay your balance in full and you do not sign up for the payment plan by the due date, you will be charged a payment plan default fee of $35 if your balance is $100 or greater. If you are charged this fee, it does not mean you are now participating in the payment plan. The fee serves as penalty if you have not paid your bill in full or have not signed up for the payment plan by the original due date.

If you have not been awarded financial aid by the due date of your bill, you must either pay your bill in full or sign up for the 4-month payment plan by completing the Billing Worksheet. At that time, you must pay one quarter of your bill plus the one-time per term payment plan fee. If you eventually receive financial aid funds in excess of your balance, it will be refunded to you during the next refund cycle. In addition, you will not be required to make additional payment plan payments as long as you remain eligible for the aid awarded to you. However, the $35 payment plan fee is non-refundable. If you do not pay your balance in full and you do not sign up for the payment plan by the due date, you will
be charged a payment plan default fee of $35 if your balance is $100 or greater. If you are charged this fee, it does not mean you are now participating in the payment plan. The fee serves as penalty if you have not paid your bill in full or have not signed up for the payment plan by the original due date.

If your financial aid is reduced after you’ve completed your billing worksheet:

Remember, financial aid awards are tentative and based on your continued enrollment and other eligibility requirements. If you become ineligible for any award after you’ve included it when completing your billing worksheet and/or payment plan calculation, you should visit the Student Billing Office to revise your payment obligation. Whenever you decide to change your class schedule, especially when reducing the amount of credits you will be taking, always check with the Financial Aid Office to determine how it will affect your aid and your tuition and fee bill.

If you ever receive an overpayment of Financial Aid due to a determination of ineligibility, you will be responsible for any additional balance that results from a reduction in your financial aid. In addition, if you’ve already received a refund for excess aid that you subsequently became ineligible for, you will be required to repay that amount to the school.

**Paying your health insurance charge with financial aid funds:**

**Federal financial aid funds will not pay this charge without your written authorization.** Therefore, if you need to purchase the insurance because you are not covered under a comparable insurance plan, and, if you expect your financial aid to pay this charge, you must authorize it in writing by completing the appropriate section of the “Financial Aid Authorization and Certification Form” required by the Financial Aid Office.

It is possible to have a balance remaining on your account and still receive a financial aid refund later in the term. Since federal guidelines prohibit the school from paying your insurance with financial aid funds without your written approval, if you do not waive the charge, it will remain on your account after all other charges have been paid by your financial aid. The balance on your account will result in an obligation hold that will prevent you from receiving any additional services from the school until you’ve dealt with the insurance charge by either waiving it, or paying it from your own financial resources. For additional information about Health Insurance plan or to complete the online insurance waiver, visit our website. Place your cursor over the “Insurance” tab and choose your option. For information on how to authorize financial aid to pay your insurance charge, contact the Financial Aid Office at (413) 775-1109.

**MassPIRG and Financial Aid:**

**Financial Aid funds cannot be used to pay the MassPIRG charge per federal guidelines.** However, you have the option to waive this charge on the green billing worksheet. Or, you can complete the online waiver on our website. If you wish to pay this charge, you must pay it from your own financial resources. The charge will remain on your account until you either pay it yourself or waive it. For additional information about MassPIRG visit: [http://www.masspirgstudents.org](http://www.masspirgstudents.org).

**Federal Financial Aid Refund Policy:**

Students withdrawing from the College may have their financial aid payment adjusted to reflect the actual percentage of time that they have attended class and/or other educational activity. This percentage will be calculated by the number of days the student has attended the College divided by the number of days in the semester. The College and student must return any unearned aid to the appropriate funding sources (i.e. Pell grant, SEOG grant, Stafford Loan). The College will have only thirty (30) days to determine the correct amount of funds the student has earned and notify the student if a refund must be collected for any aid previously disbursed or if there is a balance owed the College. Students must respond by contacting the Student Billing Office within 45 days from the date of the financial aid notification to arrange an acceptable repayment agreement. Therefore, students will need to work very closely with the Financial Aid office as they withdraw from the College. For questions on how your withdrawal will affect your Financial Aid package, contact the Financial Aid office at (413) 775-1109.
General Information

**Third-party payments**

If you expect your bill to be partially paid or paid in full by a private scholarship, a third party, or a government agency, you must still make payment arrangements with the Bursar’s Office.

By the due date of your bill you must do the following:

- You must pay any portion of your bill not covered by any other source. Or, you must sign up for the payment plan to pay the remaining balance in 4 monthly installments.
- You must submit appropriate documentation showing proof of the party’s willingness to pay your bill on your behalf.
- You must complete a Billing Worksheet that will defer payment for the portion of your bill that you expect to be paid by another party.

Ultimately, the student is always responsible for making sure their bill is paid in full.

If payment in full has not been submitted to the Student Billing Office by the third party within 30 days from the date we bill them, students will be responsible for paying those outstanding charges and will be billed for them. If payment in full is not received by the student within 30 days from the date of the billing statement, regular past due collection procedures will apply as stated on the reverse of all bills. Also see “Past due bills” section below.

**Tuition waivers**

The College requires that tuition waivers be submitted by the due date of the bill if you are eligible for one at that time. Proof of eligibility must be provided. Waivers will not be accepted if you fail to submit the proper waiver in a timely manner. Generally, fees cannot be waived with most types of waivers. However, senior citizens, certain College employees, and some others do include fees. Special program fees cannot be waived. Some waivers are subject to approval by the Registrar on seating availability basis.

**Past due bills**

Please pay your bill on time.

If you do not pay your bill or sign up for the payment plan by the due date, and you have no other financial resources available to pay your bill, past due accounts are subject to the following actions:

- GCC reserves the right to cancel your class schedule before the term begins.
- You will be denied additional services such as: future registration; release of your grades; or release of academic transcripts until your bill is paid in full.
- If you did not pay your bill in full by the due date and you failed to sign up for the payment plan, past due accounts of $100 or greater will be assessed a payment plan default fee of $35.
- Your account will be submitted to a collection agency and you will be responsible for additional collection charges of up to 21% of your unpaid balance.
- Your account will be reported to the Massachusetts Debt Intercept Program (balances of $25 or greater) where state and federal payments, including state tax refunds, will be intercepted and transferred to Greenfield Community College until your bill is paid in full. Debt Intercept Program: Overdue accounts are subject to Mass. Department of Revenue intercept of state and federal payments, including state tax refunds (MGL C.62D). Please contact the Bursar’s Office to dispute overdue charges or submit a written request for a hearing as allowed under MGL C.30A.
- If you do not pay your bill in full within 30 days from the due date, GCC reserves the right to charge a $10 late fee for each month your account is more than 30 days past due. A $10 late fee may also be charged to payment plan accounts for each month a payment is more than 30 days past due.
Requesting an Exception to the College’s Refund Policy

Students can request an exception to the refund policy by submitting a written appeal to the Chief Financial Officer. Exceptions are made on a case-by-case basis. The request should contain enough information to allow an examination of all pertinent facts, and should include any applicable documentation that will strengthen the request.

Students should submit requests by postal mail to:

Chief Financial Officer
Attn: Susan McCaffrey, Student Appeals
Greenfield Community College
One College Drive, Greenfield, Massachusetts 01301

Students can alternatively submit e-mail requests to: appeals@gcc.mass.edu.

Medical Withdrawals (two step process)

1. If a student is requesting an exception to the refund policy based upon medical reasons, any medical documentation should be sent directly to the Coordinator of Health Services, and to nobody else. A note (from a doctor, therapist, psychologist, e.g.) on letterhead stationery must accompany medical withdrawal requests. Please call Health Services for further guidance on medical withdrawals, at 775-1432. If a medical withdrawal is approved, the Coordinator of Health Services will notify the Registrar. That documentation, along with the original request, will become a part of the student’s record.

2. When writing to the Chief Financial Officer, the student should indicate that a separate and distinct communication for a medical withdrawal has been sent to the Coordinator of Health Services. The student should not include medical documentation to the Chief when requesting an exception to the refund policy.

Non-Medical Withdrawals

Documentation for other (non-medical) reasons should be mailed to the address above, or e-mailed to appeals@gcc.mass.edu, along with an explanation of the reason(s) for the request. At the same time, students should feel free to copy their communication to Chief Financial Officer at braim@gcc.mass.edu.

HEALTH INSURANCE

Academic year 2012-2013 will be the twenty fourth year of implementation of the Massachusetts Mandatory Health Insurance Law. Under this law, each Massachusetts Community College must require all students who are enrolled in a degree or certificate program and carrying nine credits or more in the Day or DCE Divisions to participate in the student health insurance program or in a health insurance program, separate from the school’s plan, but with comparable coverage.

Massachusetts Community Colleges students will be insured for policy year 2012-13 by Harvard Pilgrim Healthcare (PPO) Insurance Plan. To obtain MA Community College Student Insurance Plan Brochure, visit our website.

Eligibility to purchase GCC’s health insurance coverage

If you are a student enrolled in a certificate or a degree-granting program for nine (9) credits or more, you are eligible for health insurance coverage through Greenfield Community College. Therefore, state guidelines require GCC to charge you for insurance. However, you may be eligible to waive this charge if you meet the criteria. See eligibility to waive section below.

Part-time students taking fewer than 9 credits are not eligible for the school plan (nor are dependents of students taking 9 credits or more). However, if you think you should be eligible but do not see an insurance charge on your bill, please contact the Student Billing Office.

If you are ineligible to purchase the school plan, you may contact the insurance broker directly to learn about products and services that may meet your insurance needs.
General Information

If you are contemplating dropping your current coverage purchased elsewhere in order to purchase the school plan, it is your responsibility to compare the two plans in order to determine which plan is best for you. The college does not advise on policy coverage. If you decide to drop your coverage and purchase the school plan, then subsequently, you determine that your other plan provided better coverage, the college is not responsible for your decision. Be sure you review both policies carefully to determine your best options. Once you have purchased the school insurance, no refunds are granted by the school if you decide the policy is not right for you.

Health Insurance Costs and Coverage Period


Health Insurance Enrollment Deadline

A deadline to enroll in the plan will be established each fall and spring semester and will be posted on our website. If you do not enroll by the deadline established by the insurance broker, Gallagher Koster, you will not be able to enroll in the plan for the applicable enrollment period.

When coverage begins

Of all charges shown on your account, your insurance charge is paid last regardless of the source of payment. Therefore, if you are making monthly payments on the payment plan, or if you are expecting financial aid or a third party to pay your entire bill including insurance, your insurance coverage will not be in effect until your entire bill is paid in full. Once paid in full, the student billing office will submit your name and payment in the next reporting cycle. Reporting is submitted to the insurance company during the first week of each month. Once the insurance company receives and processes the uploaded reporting file, you will receive a card by mail or you can print a card within 5-10 business days following the date your name was submitted by us. Once your insurance information is processed by the insurance broker, coverage will be retroactive to September 1 if paid in fall term or January 1 if paid in the spring term.

Important Points To Consider Regarding Financial Aid Payments

1. If all or a portion of your bill is being paid with Financial Aid funds, all other charges shown on your account that qualify as educational expenses will be paid first before health insurance.

2. In addition, even though your Financial Aid may have been offered to you and you may have accepted it, your account will not be paid until the Financial Aid Office disburses your awards/loans to your account. Typically, most financial aid grants and loans are disbursed to accounts approximately six weeks into the semester.

3. You should be sure you have enough aid to pay all of your charges. Otherwise, you will need to pay out-of-pocket for any charges not covered by financial aid, including health insurance. If you have questions regarding this topic, contact the Financial Aid office at (413) 775-1109.

What if the insurance company has no record of you

If you are seeking healthcare treatment and your insurance charge has been paid but the insurance company has no record of you, contact the Student Billing Office to verify that your insurance charge has been paid in full and your payment was forwarded to the insurance company on your behalf. If payment has been sent to the insurance company, the Student Billing Office will contact our insurance company representative to inform him/her that your payment is in transit for claim purposes. In the meantime, if you have a scheduled appointment with a healthcare provider, a temporary insurance card may be obtained online.
Eligibility to waive the GCC health insurance charge

All On-Line Waivers must be completed and submitted by a strict deadline. NO EXCEPTIONS. The deadline will be announced on our website and will be included on billing statements and supplemental materials sent with bills. If you have been charged for health insurance on your GCC bill, but you already have comparable coverage under your own or someone else’s plan such as a parent, you can waive the GCC insurance charge. As part of the online waiver process, you will be required to create an account and certify that you currently have comparable coverage by answering a series of questions that will determine if you are eligible to waive the insurance charge. If eligible to waive, you must then complete the waiver form.

Per MA state guidelines, to be comparable, the coverage provided must include reasonably comprehensive coverage of in-patient and out-patient hospital and physicians’ services, and be reasonably accessible to the student in the area where the student attends school. Coverage by any insurance carriers outside the USA and coverage by foreign National Health Service programs are not deemed to be comparable coverage. “Uncompensated Care Pool” coverage also does not qualify as comparable coverage. It is the student’s responsibility to determine whether they are covered under a comparable insurance plan. In addition, only the student can complete the online waiver in order to certify that they do have comparable coverage per state law. GCC staff members are not permitted to complete and submit waivers for students. To complete the online student insurance waiver form, visit our website. Place your cursor over the “Health Insurance” tab and click “Waiver”.

Alternative Insurance Options

Due to recent Federal Health Care laws enacted, students may be eligible for coverage under a parent’s plan. Your parent should check with their insurance company or employer to determine whether you are eligible under their plan. To find out about other insurance options visit: https://www.mahealthconnector.org. Or, contact our Student Health Insurance Broker to inquire about their alternative student plan for students enrolled for less than nine credits.

Insurance Broker Contact Information

If you have questions about what’s covered, how to access benefits, enrollment concerns, replacement ID insurance cards, or insurance plans for students who are ineligible for the student insurance plan, contact our student insurance broker at:

Address: Gallagher Koster
500 Victory Road
Quincy, MA 02171
Phone: 877-307-8194
Email: gccstudent@gallagherkoster.com

Become familiar with the Insurance Broker Website

You must create an account at the insurance broker’s website in order to: waive your insurance charge, obtain a policy coverage brochure, or to access membership services once your policy becomes effective.

- Go to: www.commonwealthstudent.com.
- Choose Greenfield Community College from the list of community colleges.
- Read the “Welcome Students” introduction and/or view a demo that will assist in completing the waiver.
- At the left of the screen, choose your desired option from the blue menu selections. You are not required to create an account for menu options under “My Benefits and Plan Information”.
- To view the FAQs or to obtain a brochure, click the “My Benefits and Plan Information” menu option in the “My Student Health Insurance Plan” menu. The FAQs will answer common questions about: Important Numbers and Plan Information; Enrollment/Eligibility and Waiver; Insurance Plan Benefits/Printing an ID Card; Finding a provider; and Claims Processing.
General Information

Accessing your insurance services and printing a temporary card

We report new insurance enrollees when the account is paid in full, including the insurance charge. Therefore, once the insurance company receives our monthly reporting of new enrollees electronically, the file will be processed and the insurance company will assign you a claim number. Within 3-5 business days, you should be able to access online insurance services and within 5-10 days you should be able to print a temporary insurance card (See “Print your insurance ID card section below). You must create an account at the insurance broker’s website.

Creating your insurance account

When creating an account, each student is required to provide a unique username and password. In addition, you must be sure to enter all information correctly, including your GCC issued student number (include all digits including zeroes). The information you enter is matched to the information provided by GCC from our electronic reporting. NOTE: In order to access the “My Account” feature, your enrollment information must be received by the insurance broker or the system will be unable to recognize your account authorization information. If you are unable to access “My Account”, it is because the insurance broker has not yet received your enrollment information from GCC or it is in queue for processing. To create an account, go to: https://www.gallagherkoster.com/students/user-login.php?idField=1210

This login page will display. Create an account when visiting for the first time.

Authorize your insurance account

Once you have created your account, you will need to authorize it. To authorize your account click “Authorize Account” under the “My Account” menu to the left of the screen. Enter your student ID number and date of birth.

Print your insurance ID card

If you have a scheduled appointment with a healthcare provider, a temporary insurance card may be obtained online. See “Accessing Your Insurance Account” section.

- Go to: https://www.gallagherkoster.com/students/user-login.php?idField=1210
- Log in using your existing account information (first time visitors will need to create an account).
- Select “Authorize Account” located to the left of your screen under “Account Information”.
- Enter your student ID number and your date of birth.
- Once your account has been authorized, select “Account Home” and click on “Generate ID Card”.

REFUNDS

The College has different refund policies for day, evening, summer and intersession courses, as well as for credit-free workshops. In all cases, the date of your formal withdrawal will determine your eligibility for a reduction in charges. A full reduction in charges will be granted if a course or workshop is canceled by the college.

Process for Withdrawal

If you decide to withdraw from all or some of your credit classes, you must complete an official Add/Drop form with your advisor and the form must be signed and dated by him/her. The completed form must be delivered to the Enrollment Services Office in C103. Contact the Advising Center at (413) 775-1339 or Enrollment Services at (413) 775-1801 for guidance on how to drop a class or withdraw completely.

Withdrawing prior to semester start

If you withdraw from some or all of your credit classes prior to the start of the semester (not before the specific class begins), a full reduction in charges for both tuition and fees, less the $20 registration fee, will be issued. The registration fee is an administrative fee and is non-refundable. Therefore, this fee will remain on your account until it is paid.
**Withdrawing after semester start**

Refund deadlines vary for classes that do not meet for the entire term. Generally, if you withdraw from regularly scheduled credit class(es) during the refund period, you will receive a reduction in charges of both tuition and fees as follows:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Refund Period (fall &amp; spring only)</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall and Spring</td>
<td>First week of semester</td>
<td>100% minus $20 registration fee</td>
</tr>
<tr>
<td>Fall and Spring</td>
<td>Second week of semester</td>
<td>75% minus $20 registration fee</td>
</tr>
</tbody>
</table>

The specific refund period dates for regularly scheduled credit classes will be announced on our website and billing statements.

The $20 registration fee is non-refundable and will remain on your account until paid.

Refund periods vary for classes that do not meet for the entire term and for summer, intersession, and weekend class schedules. Please check with the Enrollment Services office at (413) 775-1801 or (413) 775-1807 to inquire about refund periods for those sessions.

IF YOU WITHDRAW FROM ALL OR SOME OF YOUR CLASSES AFTER THE REFUND PERIODS EXPIRE, YOU WILL NOT RECEIVE ANY REDUCTION IN CHARGES AND YOU WILL BE RESPONSIBLE FOR PAYING ALL CHARGES REMAINING ON YOUR ACCOUNT.

If you are entitled to a refund of any payments after a reduction in charges, please allow 4 to 6 weeks for refund processing.

**Withdrawal due to medical issues**

We strongly urge student's to work with the GCC Health Services Office to complete an official medical withdrawal. For additional information about the medical withdrawal process contact Health Services at (413) 775-1430. If you withdraw due to health issues during the refund period, our regular refund policy will apply. There will be no refund for medical withdrawal after the refund period has expired. Withdrawal due to health issues is treated no differently than a normal withdrawal.

**Refunds for workshops**

Credit-free workshops require official withdrawal prior to the end of the published period or one (1) week prior to the first workshop session. A full reduction in charges, less a $10 administrative charge, will be given for official withdrawals. Official withdrawal is made by completing an “Add/Drop” form and submitting it to the Registrar's Office within the time frame required. Reduction in charges for credit-free workshops will not be issued under any other circumstances.

**Federal Financial Aid Refund Policy**

Students withdrawing from the College may have their financial aid payment adjusted to reflect the actual percentage of time that they have attended class and/or other educational activity. This percentage will be calculated by the number of days the student has attended the College divided by the number of days in the semester. The College and student must return any unearned aid to the appropriate funding sources (i.e. Pell grant, SEOG grant, Stafford Loan). The College will have only thirty (30) days to determine the correct amount of funds the student has earned and notify the student if a refund must be collected for any aid previously disbursed or if there is a balance owed the College. Students must respond by contacting the Student Billing Office within 45 days from the date of the financial aid notification to arrange an acceptable repayment agreement. Therefore, students will need to work very closely with the Financial Aid office as they withdraw from the College. For questions on how your withdrawal will affect your Financial Aid package, contact the Financial Aid office at (413) 775-1109.
Financial Aid

Many Students Are Helped with Financial Aid

Many students attending Greenfield Community College receive financial aid from federal, state, institutional, and private or community resources. Receiving financial aid carries certain obligations for the College and for students. Students should be aware:

- A particular academic program and enrollment status may impact the financial aid award. For example, developmental courses, withdrawing from the college, or repeating courses may affect the status of a student’s aid.
- Costs associated with attending the College may not be covered entirely by financial aid.
- All financial aid programs are subject to changes in regulations and procedures.

How to Apply for Financial Aid

To be eligible for financial aid, a student must:

- be a US citizen or an eligible non-citizen;
- have a high school diploma or a High School Equivalency Diploma (GED);
- be enrolled in an eligible degree or certificate program at Greenfield Community College;
- maintain satisfactory academic progress required under financial aid.

All students must complete the Free Application for Federal Student Aid (FAFSA) in order to be considered for any federal, state, or institutional aid. Greenfield Community College’s federal school code number is 002169. Students may also be asked to complete a Financial Aid Intent to Enroll form.

To be considered for all forms of financial aid, the priority application deadline is May 1, although students may apply for financial aid throughout the academic year. Please note the following points:

Verifications of all income, including a copy of federal income tax transcripts for the calendar year prior to enrollment, will be required for those students selected by the Department of Education. Students must also submit verification of untaxed income such as Social Security or welfare benefits to the Financial Aid Office. For dependent students, GCC needs to verify parents’ or guardians’ income as well. Students receiving a scholarship from an off-campus group or individual must provide the Financial Aid Office with official certification and complete terms of the award as early as possible.

An eligible noncitizen card may be requested if the student is an immigrant (I-94, I-151, I-181, I-181a or I-181b).

Expect that the complete application process may take approximately two months. Students who adhere to the following deadline will most likely be informed about their eligibility for financial aid before tuition bills are due:

For the Fall Semester—
- Submit FAFSA by May 1.
- Bring documents to the GCC Financial Aid Office by June 1.
- Applications and files completed after July 15 cannot be guaranteed notification of a financial aid award by the beginning of the Fall Semester.
- Files not completed within 30 days of the end of the award year will not be considered for aid.

For the Spring Semester—
- Submit FAFSA by November 15.
- Bring documents to the Financial Aid Office by November 15.
- Applications and files completed after December 5 cannot be guaranteed notification of a financial aid award by the beginning of the Spring Semester.
Kinds of Financial Aid

In an effort to enable all qualified students to attend GCC, the College offers assistance to students with demonstrated financial need and participates in all major federal and state financial aid programs. GCC’s Financial Aid Office can help students with a combination of three general types of financial assistance:

• Grants and scholarships from federal, state, and institutional sources, which students do not repay;
• Loans backed by federal, state, or private sources, which students must repay, usually at long-term, low-interest rates;
• Federal work-study, which provides part-time jobs during the summer or the school year, either on or off-campus.

The following descriptions provide a general picture of most financial aid available through the College but do not include all eligibility requirements. Contact the Financial Aid Office at (413) 775-1109 with questions about specific grants.

Federal Pell Grants

The Pell Grant Program provides assistance to students with exceptional need. Pell Grant amounts awarded depend upon the program’s funding for the year, the information provided by students and their family, and full-time or part-time status. Students must be enrolled for a minimum of 3 credit hours in an eligible program. Eligibility for this grant is evaluated each year until a first Bachelor’s degree is earned.

Federal Supplemental Educational Opportunity Grant

The Federal Supplemental Educational Opportunity Grant is a federally-funded, campus-based program that provides grants for exceptionally needy students, based on the student’s cost of education, the number of credits a student is enrolled in, and the funds available to the College.

Federal Work-Study Program

The Federal Work-Study Program offers part-time on-campus and off-campus jobs to students with demonstrated financial need.

The Federal Stafford Direct (Subsidized and Unsubsidized) Loans

The Federal Stafford Loan Program enables students with financial need to obtain low-interest, deferred-payment loans directly from the Federal Government. Borrowers begin repayment six months after they graduate, fall below six credits, or withdraw from the College. Loans will not be processed until a student’s financial aid file is complete. Entrance and exit interviews are required.

The Parents PLUS Loan Program

The Federal Parent Loan (PLUS) provides loans to parents to pay a student’s educational expenses. Students must be dependent and enrolled at least half-time and parents must have no adverse credit history.

Massachusetts Cash Grant Program

The Massachusetts Cash Grant Program provides funding to students who demonstrate financial need and have resided in Massachusetts for one year prior to the beginning of the academic year.

Massachusetts Early Childhood Educators Scholarship Program

This Massachusetts scholarship provides grants to students matriculated in an eligible program and who have been employed and continue employment in early childhood care. Awards are determined by the Massachusetts Office of Student Financial Assistance.

The Paraprofessional Teacher Preparation Grant

This Massachusetts grant provides financial assistance to a Massachusetts resident who has worked and continues to work as a paraprofessional in a public school in the Commonwealth of Massachusetts for a minimum of two years or is employed as a paraprofessional and is pursuing a course of study that will lead to certification as a teacher in bilingual education, special education, math, science or foreign language. Students may be full or part-time. Awards are determined by the Massachusetts Office of Student Financial Assistance.
**General Information**

**Massachusetts Part-time Grant Program**
The Massachusetts Part-time Grant Program provides additional grant assistance to students who are enrolled for six to eleven credits and who demonstrate financial need.

**Massachusetts Tuition Waiver Program**
This Massachusetts program waives tuition for residents of Massachusetts who have resided in the state for one year prior to the opening of the academic year and who demonstrate financial need.

**Massachusetts Grant Program (for Full-time Study)**
The Massachusetts Grant Program provides assistance to students who are studying on a full-time basis (12+ credits each semester), who have been legal residents of the state for one year, have completed the FAFSA by May 1, and who demonstrate financial need.

**The John and Abigail Adams Scholarship**
The Adams Scholarship is based on a student’s performance on the grade 10 English language arts and Mathematics assessments of MCAS. It provides a tuition waiver for eight traditional semesters. Students must first apply for financial aid. Students who receive the Adams Scholarship must maintain a 3.0 grade point average.

**Vermont Student Assistance**
The Vermont Student Assistance Grant Program provides grants to students who are legal residents of Vermont and who demonstrate financial need. Students must apply directly to the Vermont Student Assistance Corporation for consideration.

**Institutional Grants**
The Greenfield Community College Foundation provides two scholarships: The Greenfield Community College Golf Scholarship (GCCS) and the Deerfield Plastics Scholarship (GDPS). The Foundation conducts a golf tournament in the spring as the primary fund-raiser for the GCCS. The Deerfield Plastics Scholarship has been generously funded by the Barker family as a way to thank the community where they conduct their business. GCC also awards GCC Institutional Scholarships (GCIS). All of these are contingent upon funding.

**GCC Foundation Scholarships**
Scholarships and awards are given to students at the annual Foundation Scholarship Awards Ceremony to honor students for their academic achievements, their leadership, and their community involvement. Applications are available for some awards, while other recipients are selected by faculty and staff. After January 1, a complete list of scholarships and awards is available online (www.gcc.mass.edu/financial_aid) or in the Financial Aid Office.

**Community Access Scholarship**
Community Access Scholarship (CAS) is designed to decrease barriers and support individuals in furthering their education and realizing their potential. CAS and GCC can help individuals build a network of resources at the college and in the local community and gain the skills necessary to accomplish their goals. CAS provides students with the support needed to build confidence, stability, and community while attending GCC. CAS can assist students with: transition support, advising, individual scholarships, and emergency assistance such as meal & bus passes, books and educational supplies. To be considered for Community Access Scholarship students should set up an intake meeting with the Transitions Academic Coordinator at (413) 775-1336.

**Veterans Benefits**
Veterans of the United States armed services, or dependents of a deceased or disabled veteran, may be eligible for Federal veterans’ educational assistance benefits. Contact the Veterans Administration at www.va.gov/education or at 888-442-4551 to determine eligibility. For general information, contact GCC’s Certifying Official in the Financial Aid Office, at (413) 775-1102 or (413) 775-1109.
In addition, the Commonwealth of Massachusetts provides tuition exemptions at public colleges and universities to veterans who have been residents for one year prior to the beginning of the academic year. Members of the Massachusetts National Guard may also be eligible for tuition assistance. Those seeking to use a tuition waiver for any of these classifications must submit a completed Tuition Waiver form and provide documented proof of your status, such as a DD214, NOBE, or TAGMA Certificate. (See Tuition Waivers for further details.)

Financial Aid Policies

Packaging Policy for Financial Aid
Financial aid is awarded to students who qualify based on financial need as determined by the completed FAFSA. Applicants' financial need is determined by subtracting students' estimated family contributions from their estimated student expenses.

Repeated Class Policy for Financial Aid
Students who have received credit for a class and wish to repeat that class are generally not eligible for financial aid to cover the charges for that class. Students will be eligible to receive financial aid for a course that is replacing a grade of “F.” A detailed Repeated Class Policy is available in the Financial Aid Office after the start of the school year.

Financial Aid and Standards of Satisfactory Academic Progress
All students will be academically eligible for financial aid during their first semester of attendance at Greenfield Community College, regardless of their previous academic experience. After their first semester of attendance, students must maintain satisfactory academic progress to remain eligible for financial aid in subsequent semesters. To maintain satisfactory academic progress, students must not be dismissed from, suspended from, or placed on academic probation by the College, according to the current academic standing policy published in the College Catalog, Student Handbook, and elsewhere.

Entrance and Exit Loan Interviews
Student loan borrowers are required to complete entrance and exit interviews in order to receive a loan. Students are notified about how to satisfy these requirements which are usually accomplished online. Funds will not be disbursed until these requirements have been fulfilled. The College recommends that students borrow only the minimum needed for educational costs to reduce their future loan burden.

Financial Aid for Summer Sessions
There is very little financial aid available for the Summer I session. Aid for the Summer II session will be based upon the requirements for the following financial aid year. Students are encouraged to complete Summer Financial Aid Applications in April as they register for summer classes. The Financial Aid Office will determine the amount of aid available to students before classes begin. Pell Grant eligibility will be based on whether students have used their entire award for the academic year. Satisfactory academic progress requirements are identical to semester requirements.

Financial Aid from Private Sources
Students who receive financial aid awards from off-campus groups or individuals must provide GCC’s Financial Aid Office with official certification and complete terms of the award.

Student Financial Aid Handbook
A copy of the Student Financial Aid Handbook can be found online at our website. All students receiving financial aid should be familiar with our policies. Please find more detailed information regarding financial aid withdrawal and satisfactory financial aid policies on our website.
General Information

MANAGING GRADES AND ACADEMIC PROGRESS

Students admitted to GCC are normally expected to undertake an organized program of courses leading toward a certificate or an associate degree. Some students take credit or credit-free courses during the day, evenings, or online to enhance occupational skills or enrich their lives without pursuing a degree or certificate. Juniors and seniors in high school may be eligible to take credit courses that will help fulfill high school graduation requirements while earning credit toward a college degree. To do so, high school students need the written approval of their principal.

Academic Advising

Students are encouraged to develop and maintain close relationships with their academic advisor. Advisors provide helpful guidance in selecting courses, exploring career options, and transferring to another institution. Obtaining good advice early can help students avoid problems later. Those enrolled in a degree or certificate program and taking courses during the day have faculty or professional staff members as academic advisors. Those enrolled in a degree or certificate program and taking courses only in the evening are advised by an evening academic advisor. Students can find out who their advisor is, where their advisor’s office is located, and their advisor’s telephone number by visiting either the Academic Advising Center or the Office of Enrollment Services. Advisors generally post office hours and other contact information on their office doors.

Placement Assessment

Most students are required to complete reading, writing, and mathematics assessments before registering for their first credit course. This assessment helps to place students in appropriate courses. Students may be exempt from skills assessment if:

• they have completed the assessment process at GCC or other college that uses Acuplacer within the past five years;
• they have successfully completed an appropriate course in English composition and/or mathematics at another college (a math course must have been within the last five years);
• they are taking courses on an audit basis and not for credit.

Math placement test scores are used to place students into their first math course at GCC. Math placement scores may not be used to get into subsequent math courses, e.g. students may not “skip” a math course by retaking the placement test after completing a math course at GCC.

Those for whom their first language is not English, should call (413) 775-1226 for assistance with skills assessments. Students who believe their assessment scores do not reflect their level of skill should contact the Testing Center at (413) 775-1147 to discuss their options and to arrange for a retest.

Developmental Courses

Developmental courses, those courses coded below 100 (CIS 096, ENG 090, ENG 094 (COL 090), MAT 090, MAT 094) are for improving basic reading, writing, mathematical, and study skills and may not be used to fulfill associate degree or certificate requirements. Grades earned for these courses will not be used in calculating grade point average.

Changing Majors or Advisors

One of the objectives of a college education is to explore and experiment with a variety of academic interests and career options. As interests and goals develop, students may want to change their major program of study or academic advisor or both. To change majors, advisors, or both, contact the Academic Advising Center.

Course Load Maximum

Students may not carry a course load of more than 18 credits without approval of their advisor and the advisor’s dean. To be eligible, students must be in good academic standing.
General Information

Adding a Course
Students may add a course through the first week of classes with the approval of their advisor. Students may add courses after this time only with the approval of their advisor, the instructor and the appropriate dean. Drop/add forms must be submitted to and processed by the Office of Enrollment Services before the change becomes official.

Dropping a Course
Students may drop a course through the first two-thirds of the class. Courses dropped during the first third of the class will not appear on a student’s transcript. Courses dropped during the second third of the class will appear with a grade of “W” on the transcript.

Official drops will not be processed during the last third of the class. Students who stop attending class will receive a grade as assigned by the instructor. Drops/withdrawals cannot be processed for a classes that have already ended. To drop a course, students should consult their advisor, complete a drop/add form and submit it to the Office of Enrollment Services for processing. Otherwise, the change will not become official. Simply telling the instructor is not enough. If the change does not become official, students may jeopardize their eligibility for tuition refunds, financial aid, and continued enrollment. Students with extraordinary circumstances requiring dropping a course during the final third of a semester should discuss the possibility of making an exception with the Chief Academic and Student Affairs Officer.

Repeating a Course
Students may repeat any course, but may not earn credit twice for the same course. When a course is repeated the latest grade replaces the previous grade in the calculation of grade point average. Students will not receive financial aid for any repeated course unless they are replacing a grade of F. Some exceptions and choices apply when repeating English Composition I or II. Students should discuss options with their advisor or instructor.

Class Attendance
Regular class attendance is expected. Absences may jeopardize academic status and lower grades. Individual instructors and program coordinators have the authority to establish attendance standards appropriate for their courses, and they will inform students in writing of those standards at the beginning of the course.

Religious Absences
Religious beliefs may occasionally cause students to miss class or other college activities. Under Massachusetts state law, students are excused from class on a particular day when it conflicts with their religious beliefs. Instructors must provide students with the opportunity to make up a missed examination or class work, provided that such makeup examinations or work do not create an unreasonable burden on the College.

Academic Honesty
The faculty and staff at Greenfield Community College expect academic honesty. The College upholds the definition of plagiarism published by the Modern Language Association: “Using another person’s ideas, information, or expressions without acknowledging that person’s work constitutes intellectual theft…Students exposed as plagiarists may suffer severe penalties, ranging from failure in the assignment or in the course to expulsion from school.” (MLA Handbook for Writers of Research Papers. 7th edition. Ed. Joseph Gibaldi [New York: MLA, 2009] 52-53). Students should consult with individual instructors for how to acknowledge sources properly and for the consequences of plagiarism. Students may also want to refer to Student Code of Conduct in the GCC Student Handbook.
General Information

Grading

Course grades are reported in letter symbols which include credit/no credit (CR/NC). Grade reports are posted on MyGCC at the end of each semester. In the middle of each semester early progress reports of academic deficiency are also posted on MyGCC for each course in which a student is earning grades of "D", "F", or "O". In GCC's grading system, plus (+) and minus (-) symbols may be used only for grades of "B" and "C", while a minus symbol may be used for the grade of "A". Listed below are GCC's grading symbols.

A—Excellent    B—Good    C—Satisfactory    D—Poor    F—Failing

IN    Incomplete: indicates work of acceptable quality where the student has failed to complete course requirements and the instructor wishes to allow time for the completion of the work. The "IN" must be removed within four weeks of the beginning of the next semester or it is replaced by an "F" or "NC" (for courses graded CR/NC). If an incomplete grade for a pre-requisite course is not completed by the next term, the student will be withdrawn from the course roster.

W    Withdrawn: indicates an official withdrawal from a course or the College. Withdrawal from the College requires submission of a completed withdrawal form to the Registrar's Office.

AW    Administratively Withdrawn: indicates administrative withdrawal for failure to fulfill financial, medical (immunization records), or property obligations to the College. Once administratively withdrawn, a student may not be reinstated during that semester.

AU    An audit carries no credit and has no grade point equivalent. AU grades cannot be used to satisfy graduation requirements.

CR    Credit

NC    No Credit (credit/no credit option): Full-time students may elect to take one course each semester on a CR/NC basis, in addition to courses normally graded CR/NC, provided that at least nine credits of coursework are taken on a graded (A, B, C, D, F) basis with one exception: ART (Art Studio) courses normally graded CR/NC will count toward the nine credits of graded coursework in the limited context of this provision. Students must perform work of "C" quality or better to earn credit (CR). This option must be selected at the time of registration. Courses taken on a CR/NC basis often are not transferable to other institutions, with the exception of ART studio courses with ART pre-requisites, all of which are graded CR/NC.

NG    No Grade Submitted is assigned temporarily by the Registrar to indicate that no grade was received from the instructor.

O    Insufficient Basis for Evaluation: Indicates a student has discontinued attendance without formally withdrawing from the class or the College prior to the final withdrawal date. The "O" grade will be treated as an "F" in the calculation of the grade point average. The "O" grade is considered an indication of unsatisfactory academic progress for financial aid purposes.

Auditing a Course

Students may audit a course, i.e., participate in the class without earning a grade, credit hours, or academic credit. The student is encouraged by the instructor to participate fully in the learning process. Students must state their intention to audit at the time of registration and are required to pay all tuition and fees associated with the class. Financial aid does not cover the cost of audited classes. Changes to or from an audit status are treated as adding a class and must be processed prior to the end of the published add period.
Grade Point Average

At the end of each semester or after any grade change, semester and cumulative grade point averages are calculated. These averages provide a general indication of academic performance, the first based on one semester and the latter on all of the courses taken by a student.

To calculate a grade point average (GPA), all letter grades are converted to numbers, called grade points, as follows:

- **A** = 4.00
- **B** = 3.00
- **C** = 2.00
- **F** = 0.00
- **A-** = 3.65
- **B-** = 2.65
- **C-** = 1.65
- **O** = 0.00
- **B+** = 3.35
- **C+** = 2.35
- **D** = 1.00

Once the letter grades have been converted to grade points, grade points are multiplied by the number of credits for each course, resulting in what are called quality points. All of the quality points are totaled and the sum is divided by the total number of credits, resulting in the grade point average. In calculating a grade point average, only the grades listed above with their corresponding grade points are considered. No other grades affect the grade point average in any way.

Dean’s List

The Dean’s List recognizes matriculated students with superior academic achievement for a given term. To be included on the Dean’s List, students must have:

- earned at least 12 credits at GCC;
- earned at least 6 college-level graded credits in the semester or during summer terms I and II combined;
- no incomplete grades;
- no grade less than a "C" in the term;
- achieved a term GPA of at least 3.50 at the term’s end; and
- achieved a cumulative GPA of at least 2.00 at the end of the term.

Phi Theta Kappa International Honor Society

Each candidate for membership must have completed 12 semester hours of associate degree work, with a GPA of 3.5 or better. A GPA of 3.25 or better must be maintained to continue membership. Candidates with a 3.5 GPA or better, that adhere to the school conduct code and possess recognized qualities of citizenship will be invited to join Alpha Sigma Omicron chapter of Phi Theta Kappa, the international honor society for two-year colleges.
General Information

Academic Standing

GCC focuses considerable attention on ensuring students’ academic success. The academic standing policy provides the criteria by which the College evaluates academic progress. The College recognizes that various obstacles may interfere with making satisfactory academic progress, and the academic standing policy also provides a warning system to alert and respond to students who experience academic difficulty. The categories of academic standing follow:

<table>
<thead>
<tr>
<th>Status</th>
<th>Criteria</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Good Standing</td>
<td>Both a cumulative GPA and a term GPA of 2.00 or above.</td>
<td>No action required.</td>
</tr>
<tr>
<td>Academic Review</td>
<td>Either a cumulative GPA or a term GPA under 2.00 at the end of the term, or both under 2.00 and not previously on Academic Review.</td>
<td>Placed on Academic Review. Reduction in academic load and/or co-curricular activities expected.</td>
</tr>
<tr>
<td>Academic Probation</td>
<td>Both a cumulative GPA and a term GPA for current term under 2.00 and previously on Academic Review for one term.</td>
<td>Placed on Academic Probation. MAY NOT BE ELIGIBLE FOR FINANCIAL AID. Other actions same as for Academic Review.</td>
</tr>
<tr>
<td>Academic Suspension</td>
<td>Both a cumulative GPA and a term GPA for one full fall or spring term, under 2.00 and a cumulative GPA lower than the previous term.</td>
<td>Precluded from enrollment Must appeal to the Dean of Enrollment for readmission.</td>
</tr>
<tr>
<td>Academic Dismissal</td>
<td>Both a cumulative GPA and a term GPA future enrollment. under 2.00 and a cumulative GPA lower than the previous term, and previously on Academic Suspension.</td>
<td>Precluded from enrollment</td>
</tr>
</tbody>
</table>

GCC recognizes that unusual circumstances may affect any of the academic standing actions described above. Students may request a review of their individual circumstances to determine if they warrant additional action by contacting the Dean of Enrollment.

Withdrawal from the College

Students may withdraw from the College any time during the first two-thirds of the term provided they are not enrolled in a class that has already ended. No record will appear on the transcript for withdrawals during the first third of the term. Students withdrawing during the second third of the semester will receive grades of “W” for all courses in which they were enrolled. Official withdrawals are not processed during the last third of the semester, and students who stop attending class will receive the grade assigned by the instructor. Students cannot withdraw from a class that ended prior to the submission of a withdrawal request.
General Information

Students considering withdrawing from GCC should consult with their academic advisor and instructors first. To withdraw officially, students must meet with an academic advisor in the Academic Advising Center. As with dropping a course, simply stopping attending class or telling instructors of plans to withdraw do not lead to official withdrawal and may jeopardize eligibility for tuition refunds, financial aid, and future enrollment at GCC.

If extraordinary circumstances force a student to consider withdrawal during the last third of the semester, they may discuss the possibility of making an exception to the policy with the Chief Academic and Student Affairs Officer.

**Medical Withdrawal**

Students needing to withdraw from the College for health reasons may request a medical withdrawal by discussing their situation with the Coordinator of Health Services. A medical withdrawal requires the recommendation of the Coordinator of Health Services and the approval of the Registrar. A note from a doctor, therapist, psychologist, etc. on letterhead stationery must accompany medical withdrawal requests. Please call Health Services for further guidance on medical withdrawals, at (413) 775-1432. If a medical withdrawal is approved, the Coordinator of Health Services will notify the Registrar. That documentation, along with the original request, will become part of the student’s record.

**Leave of Absence**

Any student enrolled after the drop-add period will be considered a student with active student status and may leave the College for up to four semesters and will remain eligible to register for classes without having to be re-admitted provided that the student left the College in good standing.

**Administrative Withdrawal**

Administrative withdrawal is the result of action taken by the College when a student fails to fulfill financial, medical (immunization records), or property obligations to the College during the semester. Students who have been administratively withdrawn may not be reinstated until the next semester.

**New Start Policy**

Students who have not attended GCC for more than two academic years and who were on probation, suspension, or dismissal at the time they discontinued attendance may be re-admitted to the College on academic review for the first semester of their return. Normal academic progress standards will apply thereafter. Such readmission will be at the discretion of the Director of Admission.

**Fresh Start Option**

Greenfield Community College has a “fresh start” option for students. Once in a lifetime, if a student returns to GCC after being away for at least two consecutive years, they can elect the “fresh start” option. For the purposes of the College’s academic standing policy, their grade point average (GPA) will be calculated only from the point they are re-admitted. Previous coursework may be applied toward a degree under this policy, but it will not be calculated in the student’s GPA. The official transcript will include a statement noting this “fresh start” option. In the event of multiple two-year absences, students have the option of choosing the effective readmission date of the policy. Students must elect this option in person in the Office of Enrollment Services.

**Graduation Requirements**

Only matriculated students are eligible for graduation. To be considered for graduation, students must complete and submit an application for graduation to the Registrar’s Office. Commencement is held for all graduating students on the first Sunday of June. GCC awards degrees three times a year; following the summer, fall and spring semesters. Additional information and applications for intended date of graduation are available in the Office of Enrollment Services.
General Information

In order to earn an associate’s degree or a certificate, students must complete the course requirements of the curriculum, achieve a cumulative grade point average of at least 2.00 for all courses taken at GCC (excluding developmental courses, those courses coded below 100 - CIS 096, ENG 090, ENG 094 (COL 090), MAT 090, MAT 094) and be in good standing with the College. All associate’s degree programs require at least 60 credits of coursework. Students must complete at least 15 credits of coursework at GCC to receive a degree or certificate.

Students wishing to earn an additional associate’s degree must:
   a. meet all specific requirements of each degree program;
   b. complete at least 15 credits of coursework beyond the previous degree awarded; and
   c. of those 15 additional credits, at least 12 must be completed at GCC.

Normally, students must fulfill the requirements stipulated in the catalog at the time of enrollment and selection of a major program of study. If the requirements change after enrollment, students may elect to fulfill either the new requirements or the requirements that were in effect when they enrolled as a matriculated student.

Graduation with Honors

To graduate “with honors” students must earn a cumulative grade point average of at least 3.50 based on at least 30 credits of letter-graded course work completed at GCC.

Transcripts

Students may request transcripts of their GCC academic record for themselves or for other colleges or employers by completing a transcript request form in the Registrar’s Office. They also may request a transcript with a signed letter or a signed fax in which they clearly identify themselves and where they would like a transcript to be sent. Telephone requests are not accepted. Students are provided with one free official transcript and are charged $2 for each subsequent transcript. Due to the volume of requests, allow at least three days to process a request.

Petition to Review Academic Record

Currently enrolled students may petition the Transcript Review Committee to review their academic record for the purpose of seeking relief from past poor academic performance. Before submitting a petition, students must have either completed 12 credits of course work since the semester for which they are seeking relief, or have completed six (6) credits and include two letters of support from current instructors. Petition forms are available in the Registrar’s Office.

Exceptions to Academic Graduation Requirements

Students with unusual or extenuating circumstances that justify an exception to an academic graduation requirement may request an exemption using an Academic Requirements Exemption form obtained from their advisor, the Office of Enrollment Services, or an academic division office. Advisors or the Office of Enrollment Services can provide additional information.

GCC is a Drug Free School and Campus

Greenfield Community College is in compliance with federal legislation, which requires the College to adopt and implement a program to prevent the illicit use of drugs and the abuse of alcohol by students and employees.
STANDARDS OF BEHAVIOR

As an institution of higher learning, Greenfield Community College actively encourages the free and open exchange of ideas and opinions. The College encourages diversity in the belief that, in doing so, it promotes growth and positive change in individuals. The College recognizes, however, that maintaining an atmosphere where such discourse can flourish requires that faculty, staff and students acknowledge and remain sensitive to the needs, beliefs and feelings of others. It therefore expects all individuals to maintain certain standards of behavior as members of its community.

These expectations include the exercise of discretion in the use of language, both in the choice of terms used and in the tone in which discourse is delivered and individuals are addressed. Insulting or demeaning language or gestures, perhaps generally accepted or even common in other social settings, are not suitable in an academic environment. A courteous regard for the differing backgrounds and perspectives held by others is encouraged.

The above expectations hold for behavior throughout the institution and for all of its members. With regard to behavior in the classroom, yet another set of expectations exists. Classrooms are unique environments, places expressly reserved for the exchange of information and ideas. They constitute sanctuaries of learning, gatherings in which students and an instructor or instructors come together for a particular purpose: to grow and develop through personal interaction and directed activity. Because classrooms are unique in this way, they hold particular expectations of their members. Generally speaking, these are extensions of the rules of civility and courtesy that prevail in the institution at large, though the classroom instructor might add to or modify these rules to promote particular goals. Deviation from the expectations or rules set forth in a classroom is not acceptable.

It should be noted that behavior influenced by an individual's mental state (irrespective of the ultimate evaluation), or use of drugs or alcoholic beverages shall not limit the responsibility of that individual for the consequences of his or her actions.

Finally, Greenfield Community College, while intent on maintaining an environment that promotes learning within a secure and collegial atmosphere, is resolutely committed to defending every individual's right to personal expression.

INDIVIDUAL RIGHTS

The Family Educational Rights and Privacy Act of 1974

You have certain rights to privacy about the information that we maintain about you. For more information, including a full text of the regulations regarding your records and your right to privacy, please inquire at the Registrar's Office. GCC's directory information consists of the following:

• Student's Name
• Student's Major
• Dates of Attendance
• Graduation Date(s)
• Honors Conferred

Under FERPA law, GCC students have the right to be notified annually by the college of what the college designates as “directory information,” and the right to request that their information not be designated as directory information.

A student must notify the college's Registrar in writing, if he/she does not wish to have any or some of his/her student information designated as directory information by completing the appropriate Non-Disclosure form with the Enrollment Services Office.
General Information

The Hazing Act of 1985

Massachusetts General Laws, Chapter 269, Section 19, requires the College to inform its students annually of the provisions of this Act. Copies of the act are available from the Office of Enrollment Services.

The Jeanne Clery Disclosure Act

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (more commonly known as the Clery Act), Greenfield Community College publishes an annual report that includes crime statistics and institutional policies concerning campus security and safety matters. The report is available at the Public Safety Department’s website: www.gcc.mass.edu/offices/safety/clery.html. A printed copy of the report is available at the offices of Public Safety, Human Resources, Student & Academic Affairs, Admission, and at the Downtown Center. Students may have a copy of the report mailed to them by contacting Public Safety at (413) 775-1212.

Diversity at GCC

Creating a Culture of Diversity and Inclusion

Greenfield Community College is committed to a policy of Affirmative Action, equal opportunity, equal education, non-discrimination, and diversity. We are committed to providing a learning and working environment for our students, employees and other members of the College Community, which values the diverse backgrounds of all people. The College is committed to assuring that the “College Experience” is one that challenges, empowers, supports, and prepares its students to live in, work in, and value our increasingly global and diverse world. The College believes that the diversity of socioeconomic, racial, ethnic, religious, gender, sexual orientation, age and disability backgrounds of College Community members enriches the institution and our various constituencies. The College’s curriculum contains courses that meet the University of Massachusetts cultural diversity requirement. These courses are noted with an asterisk in the Credit Courses section of this catalog. The College will not tolerate behavior based on bigotry, which has the effect of discriminating unlawfully against any member of our community.

Affirmative Action

It is the policy of Greenfield Community College to prohibit unlawful discrimination on the basis of race, ancestry, color; gender; religion; ethnic or national origin; age; personal disability; veteran status; social class; or sexual and/or affectional orientation. The college operates under an Affirmative Action plan and encourages individuals from underrepresented groups to apply for employment. This policy is in compliance with all applicable federal, state and local statutes, ordinances and regulations. Those who believe they have been the subject of discrimination or who have inquiries concerning the above should consult with the Executive Director of Human Resources and Chief Diversity Officer at (413) 775-1312, or in the Human Resources Department, Room S423 of the Main Building.

A copy of the Policy on Affirmative Action may be obtained in the Human Resource Office or from the Chief Academic & Student Affairs Officer. All inquiries concerning Affirmative Action issues should be directed to the college’s Affirmative Action/Chief Diversity Officer, Rita Hardiman. Employees should contact the Director of Human Resources at (413) 775-1312. If a student expresses concern of discrimination they should contact the Chief Academic & Student Affairs Officer at (413) 775-1811.

Harassment

GCC considers harassment of a student, an employee, or any other person in the college community to be intolerable and not permissible. Those who believe they have been harassed should consult with the Executive Director of Human Resources/Chief Diversity Officer at (413) 775-1312 to obtain information concerning their rights and the process for filing a complaint and/or pursuing informal means of resolving grievances.
Individuals with Disabilities

Since each student is unique, we recognize that some may need classroom accommodations to fully participate in our programs and services. If you feel that you will require accommodations due to a disability, please inform us of your needs and establish your eligibility by completing these three steps.

1. Submit completed forms
   • Voluntary Statement of Learning Needs
   • Release of Information

2. Submit recent documentation (medical, psychological, or educational) of your disability from your high school or medical provider. Documentation must clearly state your:
   • Diagnosis
   • Symptoms which impact your ability to function in an educational environment
   • Recommended accommodations

   All documentation received by the Office of Disability Services is confidential and is held in accordance with FERPA regulations.

3. Call (413) 775-1332 to schedule an appointment with the Coordinator of Disability Services. We will work together to develop an Accommodation Agreement (ADA/504 Plan) that you can present to instructors to advise them of your needs.

Some accommodations may take up to 12 weeks to obtain. We advise students to establish eligibility with Disability Services well before the semester begins. If you have any questions, please contact the Coordinator of Disability Services.

Students do not need to register with Disability Services in order to meet with an academic counselor or to access general college support services. Students who feel that they may require some additional academic support and skill building are encouraged to take advantage of available services, such as peer tutoring, the writing and math assistance programs, the math studio, and student workshops offered through the Academic Advising Center.

Telephone Access for the Hearing Impaired

Those for whom traditional telephone does not suit their communication needs or preferences may contact the College via Mass Relay (dial 711) or via e-mail. A complete listing of departmental e-mail addresses and phone numbers can be obtained at the Greenfield Community College website.

Student Right-to-Know Act

The Student Right-to-Know Act requires GCC to report graduation rate data to the U.S. Department of Education annually. From among the first-time, full-time, degree-seeking students who enrolled at GCC in the fall of 2008, 36 percent graduated or transferred to another institution by December 31, 2011.
SERVICES TO STUDENTS

In addition to academic programs, the College offers a wide range of services and activities to enhance students’ college experience. Students are encouraged to take advantage of these services and to become an active member of the College community.

Transferring to Other Schools

The Transfer Office provides services to students considering transfer to another college or university. Students considering transferring are encouraged to contact the Transfer Coordinator as early in their time at the College as possible. The Transfer Coordinator assists students in exploring transfer options, educational goals, planning appropriate course work while at GCC, completing applications to other schools, writing college essays, and in choosing people to write college recommendations.

The Transfer Office maintains a small library of college catalogs, and the Transfer Coordinator arranges visits from college representatives to meet with prospective students on campus throughout the academic year. Contact the Transfer Coordinator at (413) 775-1207.

Students planning to transfer to one of the Massachusetts state-supported colleges or universities are eligible for MassTransfer. MassTransfer provides community college graduates who complete designated associate's degrees with the benefits of the full transfer and applicability of credit, guaranteed admission (2.5 GPA or higher), and a partial tuition discount (3.0 GPA or higher).

MassTransfer integrates and replaces the Commonwealth Transfer Compact, the Joint Admissions Program, and the Tuition Advantage Program. For details about the MassTransfer policy, contact the Transfer Coordinator in the Academic Advising Center or go to http://web.gcc.mass.edu/transfer.

Community college students who matriculated prior to fall 2009 and who participate in the Commonwealth Transfer Compact and/or Joint Admissions programs will be required to complete their associate degrees by August 2013 and must matriculate at a Massachusetts state college or University of Massachusetts campus by fall 2014 to receive the benefits of these programs.

OPTION I: Benefits for students who complete associate’s degrees under MassTransfer are:

<table>
<thead>
<tr>
<th>Minimum Final GPA</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.00 GPA</td>
<td>Guaranteed full transfer of a minimum of 60 credits applied to the bachelor’s degree, if admitted. Satisfaction of the general education/ distribution/core requirements at the receiving institution, with the receiving institution able to add no more than six additional credits/two courses. Note: Students will be required to submit the regular application and all supplemental materials required of the 4-yr school they are applying to.</td>
</tr>
<tr>
<td>2.50 GPA</td>
<td>Guaranteed admission, plus all of the above benefits. Fill out simplified application, not Common Application.</td>
</tr>
<tr>
<td>3.00 GPA</td>
<td>A one-third tuition discount, plus all of the above benefits</td>
</tr>
</tbody>
</table>
Stipulations:

If students change their majors or if the linked baccalaureate programs require a higher grade point average or specific courses which are required of native students, MassTransfer students must meet these additional requirements.

If, because of space or fiscal limitations, the receiving institution does not admit all qualified applicants to a given major or program, the receiving institution will use the same criteria for MassTransfer applicants as it does for its native students.

OPTION II: Transfer Block

MassTransfer also provides students in the Massachusetts public higher education system the intermediate goal of completing a portable general education Transfer Block that will satisfy the general education/distribution/core requirements across institutions. Students completing the Transfer Block without earning a degree at any Massachusetts higher education institution with a 2.0 or higher grade point average will earn the 34 credit hours outlined below, exclusive of developmental coursework.

Transfer Block

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition/Writing</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral and Social Sciences</td>
<td>9</td>
</tr>
<tr>
<td>Humanities and Fine Arts</td>
<td>9</td>
</tr>
<tr>
<td>Natural or Physical Science</td>
<td>7</td>
</tr>
<tr>
<td>Mathematics/Quantitative Reasoning</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

Benefits for students who complete the Transfer Block:

<table>
<thead>
<tr>
<th>Minimum Final GPA</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0 GPA</td>
<td>Satisfaction of the general education/distribution/core requirements at the receiving institution, with the receiving institution able to add no more than six additional credits/two courses, if admitted</td>
</tr>
</tbody>
</table>

Stipulations:

Students enrolled in a specific major or degree program may be required to take additional courses if these courses are specifically required for the major or program and are required of native students. Completion of the Transfer Block does not guarantee admission to the college or university.

Note: Students will be required to submit the regular application and all supplemental materials required of the four-year school they are applying to.

Transfer Agreements with Other Colleges

GCC maintains several articulation agreements with colleges that award bachelor’s degrees. The purpose of articulation agreements is to make transfer from GCC to those colleges easier than it would be otherwise. In most cases, the articulation agreements ensure the transfer of a minimum number of credits and placement at the junior year level. Some of the articulation agreements are general and may include scholarship funds to help lower tuition while others are specific to certain programs at GCC and the institution to which the student transfers.

In a few cases, the articulation agreements also include provisions for transfer scholarships. For information about articulation agreements with other colleges, contact the Transfer Coordinator.
General Information

Foreign Language Requirements

Some colleges or universities may require proficiency in a foreign language to earn the Bachelor’s degree. Please check with the GCC Transfer Office to determine which schools and degree programs have this requirement. Students may find it advantageous to complete a foreign language requirement at GCC, so they can concentrate on the requirements of their major when they transfer. For further information about foreign language requirements, contact the Transfer Coordinator.

The Isenberg School of Management at the University of Massachusetts - Amherst

Students seeking to enter programs of study in the Isenberg School of Management must meet the following additional requirements:

• UMass Majors in Accounting, Finance, Operations Management, Management, and Marketing: Students must graduate GCC with a BAT degree. Students who have matriculated into the BAT degree prior to Fall 2009 can transfer under the Joint Admissions option if they graduate with a GPA of 2.5 or higher; students who matriculate into the BAT degree during the Fall of 2009 or later may enter the Isenberg School under Mass Transfer option, but must graduate with a GPA of 3.0 or higher.

• UMass Hospitality and Tourism Management: Students may graduate from GCC with a Liberal Arts Degree, and the Hospitality and Tourism Option is strongly recommended. Students who have matriculated prior to Fall 2009 can transfer under the Joint Admissions option if they graduate with a GPA of 2.5 or higher. Students who matriculate during the Fall of 2009 or later may enter under the Mass Transfer option, but must graduate with a GPA of 2.7 or higher.

• Resource Economics: Students can be accepted into this program with a GPA of 2.5 or higher. Entrance is not contingent upon a specific GCC degree.

• Sport Management: Students must graduate from GCC with a BAT degree, and have a GPA of 3.0 or higher. It is highly recommended that students enroll in ECO 205 prior to transfer.

Library

Regular Semester Hours:
Monday-Thursday 8:00 a.m. to 8:30 p.m.
Friday 8:00 a.m. to 5:00 p.m.
Saturday 10:00 a.m. to 4:00 p.m.

Located At:
Third Floor Core
(413) 775-1830
reference@gcc.mass.edu
http://web.gcc.mass.edu/library/
ASKALEXGCC (AIM or Meebo)
Text to 265010 and include ASKALEXGCC with a question

The GCC Library serves the study and research needs of students by providing a variety of services, collections, and technology. Both quiet and conversation-friendly study spaces are available. Food and drink are allowed throughout the Library. The Library is open to the entire GCC community, as well as to the public.

Computers & Other Equipment. The Library maintains computers for use within the Library by GCC students, faculty and staff. Free printing is available. Other equipment includes a scanner, coin-operated photocopier, text magnifier, and video/DVD viewing stations. The wireless network, including wireless printing, is accessible from all Library spaces.
Research Help. Librarians provide reference and research assistance, including individual reference help offered in person, by phone, or by email, and group instruction sessions designed for specific courses and assignments. Research guides for a range of subject areas and several specific courses are available in print in the Library and on the Library’s website.

Books, Magazines, Videos & Online Resources. The Library collection contains over 50,000 physical items including circulating and reference books, newspapers, magazines, scholarly journals, videos, and DVDs. The Library’s 60+ online databases offering access to hundreds of thousands of periodical articles and reference sources are available from any on-campus computer and from off campus with a GCC student, faculty or staff library card.

Special Collections. The Archibald MacLeish Collection - for more information about the MacLeish Collection, contact the Curator at (413) 775-1835.

Library Cards & Borrowing Policies. Currently enrolled students will be issued a GCC library card upon presentation of a photo ID and proof of enrollment.

As part of the Central and Western Massachusetts Library Network, the GCC Library shares an online catalog (C/W MARS) with the other community colleges and most public libraries in the central and western regions of the state. Students may use their GCC library card to request items through the catalog from any library within the C/W MARS network. Students may also use Interlibrary Loan to request circulating items from libraries further away if they are not owned by any of the libraries within the C/W MARS network.

Circulating books from the GCC Library are checked out for 4 weeks and may be renewed once. Other libraries may have shorter borrowing periods.

Reference books, periodicals (newspapers, magazines, and journals), videos, and DVDs must be used in the Library. Materials put on Reserve for individual classes are available at the Circulation Desk and must be used in the Library.

Overdue Materials. There are no fines for overdue material, but borrowers must pay the replacement value of unreturned material. One reminder is sent for overdue material before a bill for the replacement cost is rendered. Borrowers may not check out additional materials until overdue items are returned. Students who have not returned Library materials that are a month overdue will have their college record flagged and will become subject to disqualification from registration and withholding of grades, transcripts, diplomas, and certificates.

Educational Technology Center (ETC)
Room S306, (413) 775-1842, edtech.gcc.mass.edu

Hours:
Monday – Thursday 8:30 a.m. to 9:00 p.m.
Friday 8:30 a.m. to 4:30 p.m.
During semester breaks, our staffing varies as we work on projects that may take us out of the ETC.

Student Equipment Circulation Hours:
Monday to Friday 10 a.m. to 1 p.m.

The mission of the ETC is to serve the academic community in all disciplines by providing access to and assistance on traditional, new, and emerging educational technologies. The major focus of the ETC is to help faculty and students in developing and incorporating technology in the learning environment. Our focus includes production of materials for and maintenance of the College’s YouTube account and the College’s digital signage. In addition, the ETC schedules, distributes, installs, and maintains media-related presentation equipment throughout the campus; this includes the digital signage system. When possible, appointments for services such as circulation equipment delivery, production support, access to our multi-media studio, or training services should be made in advance.
General Information

The ETC houses a complete production facility which includes a television production studio also equipped as a 45 seat multi-media presentation space; a faculty multi-media lab with video editing suites and graphic animation workstations; a satellite and cable distribution area with multimedia production capability and media duplication; in addition ETC stores the institutional media archives.

The ETC also staffs and operates satellite studios in the College’s Dining Commons, Sloan Theater (SG01) and the Stinchfield Lecture Hall (N335). Sloan Theater is equipped with a theater lighting system. Our satellite studios are capable of producing live recordings of presentations and performances. The equipment is not for general use. ETC staff must be scheduled. Please schedule our services in the satellite studios when you reserve the room.

ETC’s website provides the campus with current AV equipment locations and room descriptions. Our site includes a searchable database of the institutional media archives on our video page, it offers recommended classroom equipment specifications, the YouTube guidelines, and other useful information.

ETC houses and circulates student equipment. Student equipment and our services are available for GCC academic purposes for direct or indirect classroom support and subject to institutional lending policies.

ACADEMIC SUPPORT PROGRAMS

Counseling

Licensed professional counseling is available for GCC students. Many students struggle with school pressures, physical or learning disabilities, difficult relationships, substance abuse, family problems or illness. Sometimes they find it helpful to see a counselor to explore the challenges they face. Counseling helps students learn to take charge of their lives and to accomplish their goals. Referrals to community service agencies can be arranged.

Peer Tutoring

Peer tutoring is provided for any GCC student who needs help with course work and who wishes to improve academic performance. Tutors and students meet to review course material, discuss and practice study skills, and work on specific assignments. The tutor’s role is to assist students with the content of these courses while furthering the process of learning how to learn.

Math Assistance

This program helps students succeed in math, science, information technology and business courses. Services include peer tutoring, Math Studio drop-in hours, and graphing calculator rental program. The coordinator is available to meet with individual students to discuss tutoring and math advising.

Writing Assistance

This program helps students succeed in all courses that require writing and language learning. Peer tutoring is offered for writing papers, word processing, note taking, exam preparation and content review for all humanities and behavioral science courses. The coordinator is available to meet with individual students to discuss tutoring, general writing assistance for coursework, and transfer application essays.

Studies

• The Math Studio, Fourth Floor North, is a place for students to work with each other and with faculty on questions and problems related to mathematics. The Math Studio is equipped with comfortable chairs and tables, computers, and math resources and texts. The studio is open for use throughout the day and is staffed by math faculty during posted hours. No appointment is needed; students may just come by.
General Information

• **The Social Sciences Studio**, East Building Room 115, provides a welcoming and resource-rich space for students to convene and interact with each other and faculty in the social and behavioral sciences. Students and faculty use the Social Sciences Studio for tutorials, study groups, computer projects and access to the college network and the Internet, small group projects, as well as college/community meeting and networking. The studio also provides gallery display space and periodically presents special events, speakers, and films.

• **The Science Studio**, Main Building, Fourth Floor South, offers a cooperative work space for individual students or groups of students. The studio is equipped with two computers, anatomy and physiology models, resource books and movable furniture. It opens to faculty offices to allow student interactions with their professors. Students are encouraged to make use of the space during all building hours.

• **The Hammond Business Studio**, East Building Room 132, provides a working and brainstorming space for all students. The studio is equipped with pull-down outlets for laptop plug-ins, a SMARTBoard, whiteboards, a flat screen television with streaming stock quotes, full wireless capabilities and comfortable, modular furniture. Faculty offices ring the studio which encourages faculty-student interaction.

Student Academic Computing Lab
A student computing lab, located in the East Building, is open to all currently enrolled GCC students, regardless of major or credit load. The lab’s personal computers may be used for homework, term papers, or other student projects. For those who need help working on a computer; a monitor or consultant is on duty.

Academic Technology Support
• **GCC Email**: All students receive a GCC email address upon registration. Those experiencing difficulty accessing their GCC email account should send their questions to studenthelp@stuemail.gcc.mass.edu.

• **Moodle**: GCC offers a variety of classes fully online through the Moodle course management system. In addition, Moodle is used by many instructors as a web-enhancement in face-to-face classes and hybrid classes. For assistance with Moodle, should send an email to studenthelp@stuemail.gcc.mass.edu.

For handouts, information on user names, passwords and technical requirements to successfully run email, visit the Academic Technology Support website at http://online.gcc.mass.edu/student.html.

The Academic Advising Center
Academic Advising Center staff assist new students with their initial course registration and enrolled students when their assigned advisors are not available. Such assistance includes advice on the selection of appropriate courses to fulfill degree or certificate requirements, information about college policies and procedures, guidance in the admission and transfer processes, and referral to other services on campus. Student engagement with faculty and staff is a key element in their success. The Academic Advising Center does not replace the important relationship between students and their assigned advisor and seeks to strengthen that relationship.

To view the Institutional Statement on Academic Advising, please go to http://web.gcc.mass.edu/advising/.

Health Services
The Student Health Services staff helps students with a variety of health problems and referrals and with complying with immunization requirements. Services are free of charge, confidential and available to students enrolled in day classes. An adult nurse practitioner and a registered nurse are available on a drop-in basis or by appointment, and physician visits are available by appointment only. All medical records are confidential, and information cannot be released without student permission.

A variety of self-care items, as well as a selection of health-related educational materials is available in the Health Services Office. The staff can help with questions about the health insurance coverage, which is mandated for students carrying nine (9) or more credits.

The Health Services Office is open from 9:00 a.m. to 3:30 p.m., Monday through Friday. Students are invited to drop in or call (413) 775-1430 for help in achieving and maintaining a high level of wellness.
General Information

Student Life

Student Life supports the academic mission of the College through leadership development opportunities and co-curricular programming. Through the establishment and support of clubs and organizations, students and faculty/staff are encouraged to get involved in the planning of campus events. Activities include musical performances, cultural programs, involvement in clubs and organizations, orientation, commencement, and student governance. The Office of Student Life is located in Core 216 and is open daily when the College is open. For more information about clubs, upcoming events, and services visit us online at http://web.gcc.mass.edu/studentlife/ or call 413-775-1200.

The Student Association

Students who pay the student activities fee automatically become members of the Student Association, the structure within which the Student Senate and the Student Life Program operate. Members may hold office, vote in elections and participate in Association programs.

The Student Senate

Members of the Student Association who are in good standing with the College are eligible for election by members of the Association to the Student Senate. The Student Senate reviews budget requests for; and oversees the allocation of, the Student Activity Fee with the consent of the college President. The Senate’s objectives are:

• to promote and support activities that enhance the life of the college community;
• to administer and allocate the funds of the Student Association in conjunction with the college administration;
• to represent the student body on and off campus; and
• to act with college officers in supervising the college activities program.

GCC Alumni Association

The Greenfield Community College Alumni Association is an independent organization that cultivates lifelong relationships with current and future alumni. As a committed partner and supporter of the College, the Association strives to foster connections among graduates, former students, current students, friends, and the community.

The Alumni Association has created an endowed scholarship fund that awards two scholarships each year to GCC students, with alumni serving on the selection committee. Also, the Alumni Association sponsors the Career Alumni Mentoring Program (CAMP), connecting GCC alums working in a variety of fields with current GCC students seeking guidance on their career options. The Alumni Association meets the fourth Thursday of every month at 5:30 p.m. at the Downtown Center, 270 Main Street in Greenfield. All alumni are welcome and encouraged to attend. To learn more, visit http://alumni.gcc.mass.edu or contact Regina Curtis ('86), President of the Alumni Association at (413) 775-1426 or curtisr@gcc.mass.edu.

Performing Arts

The theater, music, and dance departments offer opportunities for student performances. The college chorus performs on campus and in the community several times each year. At least one major theater production is presented each semester, as well as dance concerts and musical performances.
The Fitness Center

The Fitness Center, located in E106, offers a variety of cardiovascular and weight-training equipment in a fun, friendly, and inviting atmosphere. It is open to all GCC students, staff, and faculty at no charge. Fitness assessment, program design, and incentive programs are available to all members. For more information contact the Fitness Center Coordinator at (413) 775-1143 or lapalme@gcc.mass.edu.

Activities Hours

College personnel and the Student Senate have agreed that no classes will meet during the Activities Hours. These hours are every Monday, Wednesday and Friday from 12:00 noon to 1:50 p.m. during the semester. The college community is encouraged to participate in social, cultural and recreational events during these hours. College committee meetings, club meetings, concerts, guest speakers, and special events are available for student enjoyment and relaxation.

The College Store

Up-to-date information along with online textbooks are available at the College Store website, http://web.gcc.mass.edu/bookstore.

Fall & Spring semester hours are Monday – Thursday 9:00am until 5:00pm and Fridays 9:00am until 4:00pm. Summer hours are Monday – Thursday 9:00am until 4:00pm and Fridays 9:00am until NOON. Evening and special occasion hours will be posted. Visit us online for up to date information and online textbook sales http://web.gcc.mass.edu/bookstore/.

The College Store stocks required and optional textbooks, study guides, school, office, medical and art supplies, software as well as GCC clothing and gifts. MasterCard, Visa and Discover; cash and personal checks for the amount of the purchase are accepted. Any checks returned due to insufficient funds will incur a $10 charge. Purchases on financial aid or other third party accounts require a valid photo ID. GCC gift certificates are available for sale in any denomination.

Textbook Refund Policy

Fall & Spring semester textbooks are returnable for one week from the first day of classes (specific dates are posted for each term) with your sales receipt and in the same condition as sold. Proof of add/drop, valid ID and your sales receipt are required for all textbooks returns during the second week of Fall or Spring classes. The textbook(s) returned must match the required or optional book(s) for the dropped class and must be in the same condition as sold.

January and Summer session books are returnable for one week from the beginning of classes with a sales receipt and in the same condition as sold. One week course books may be returned with a receipt within 24 hours of purchase. For any returns the cover and pages of new textbook(s) must be free from any marks or other signs of wear and shrink wrap (if any) intact. Defective books (missing pages, pages out of order, blurred print, etc.) should be returned to the College Store as soon as the defect is discovered within the same semester purchased.

Exceptions to the store refund policy are made on a case by case basis at the discretion of the store's management.

General Merchandise Return Policy

If you need to return non textbook items purchased at the College Store, we require the original register receipt and the product must be in original condition, free of debris, wear or tear returned within 30 days of the purchase date. Computer software and other electronics are only returnable in their unopened packaging. Defective merchandise can be exchanged or returned dependent on vendor/manufacturer’s policies.

Dining Facilities

The GCC Cafeteria and Dining Commons is located on the first floor of the main building. Equipped with wireless internet, the Dining Commons is the perfect places to socialize, relax, study or just enjoy the view of the Pioneer Valley. The cafeteria features a grill, deli, hot meals, grab and go, pizza, salad bar, beverages, kosher and fair trade air roasted coffee from Pierce Bros Java Coffee Roasters and foods from different cultures as well eating styles. As a partner with the Mass Farm to School Program and CISA the College is able to bring the freshest local food to our students and
General Information

The area is open from 7:30 am to 6 pm during the fall and spring semesters and from 7:30 am to 2 pm during intersession and summer session. Up-to-date menu and catering information is available at www.gcc.mass.edu/offices/food/.

Vending machines are located throughout both the main, east and downtown campuses.
COMMUNITY EDUCATION AND WORKFORCE DEVELOPMENT PROGRAMS

Credit-Free Workshops and Seminars
The Office of Community Education (GCC Downtown Center, 270 Main Street) administers programs serving over 3,000 participants each year in many locations in Franklin and Hampshire counties, including Greenfield, Turners Falls, and Northampton. Workshops are designed in response to community needs, often in cooperation with other organizations, drawing upon both college and community resources. Instructors include faculty members, professors from other colleges, area business professionals, and local residents with special skills or expertise. Suggestions for new workshops, services or programs are welcomed. Contact Community Education at (413) 775-1605 or the first floor of the Downtown Center.

Community Education Facilities
Facilities available through the Office of Community Education include:
• The Downtown Center’s Computer classroom has access to the Internet, Microsoft Office Suite, Quickbooks, Photoshop and Illustrator and other applications.
• Meeting rooms available to outside organizations at the downtown or main campus locations. Presentation equipment is available at the Downtown Center for a fee.

Community Education Programs
• The Office of Workforce Development at Greenfield Community College provides customized education and training for area businesses and organizations, including courses, workshops and individualized instruction for managers, office and technical staff, machine operators, and child care workers. Instruction can be offered in the workplace, at GCC’s Downtown Center, at the main campus or at other locations in the region. These services are designed to increase the skills of employees and to contribute to greater organizational effectiveness and productivity. Open enrollment business workshops are scheduled each semester.
• Community Education Workshops cover a wide range of subjects, including business, computers, dance, arts and crafts, finance, and other leisure and work programs. Workshops are scheduled for spring, summer and fall, usually in the evening but also during the day and on weekends. They are offered for both personal and professional growth. The complete schedule of workshops is available in the GCC Course Guide and on the Community Education page on the GCC web site.
• Technical Skills Workshops are credit-free offerings designed to provide work-related skills for a variety of professions and vocations. Topics include computer-aided design, electricity, plumbing, welding, and machine science. Workshops are scheduled for spring and fall, usually in the evening, and are often held at area technical and vocational high schools.
• The Senior Symposia Program, a collaborative effort between the Office of Community Education and area senior citizens, provides area seniors a way to continue their education in a format that suits their unique needs, interests, and resources. Symposia are held at the Downtown Center during the fall and spring semesters.
Academic Programs

• Liberal Arts Electives
• Associate of Arts Degree Programs
• Associate of Science Degree Programs
• Certificate Programs
• Programs in Collaboration with Neighboring Community Colleges
• Additional Academic Opportunities

Our academic programs enable you to transfer to Baccalaureate programs or prepare you to enter a variety of career fields. Several programs serve both purposes, depending upon the elective courses that you take. We offer associate degree programs, which require at least 60 credits of coursework, and certificate programs, which require up to 42 credits of coursework.
ACADEMIC PROGRAMS AT GREENFIELD COMMUNITY COLLEGE

Associate of Arts Degree

- Business Administration Transfer (BAT)
- Liberal Arts (LIB)

All of the following are Liberal Arts advising options. You may focus on one of these options. Your diploma will read “Liberal Arts.” GCC will award you only one Liberal Arts degree.
- American Studies (LAS)
- Art (LAA)
- Computer Science (LCS)
- Computer Science Applications (LCA)
- Dance (LAD)
- Economics (LES)
- Education (LED)
- English (LAE)
- Environmental Science (LEH)
- Food and Nutrition Systems (LFF)
- Food Science (LFO)
- Gender and Women’s Studies (LGW)
- Health Science (LAH)
- Hospitality and Tourism Management (LHT)
- Human Services (LHS)
- International Studies (LIS)
- Math-Science (LMO)
- Music (LMU)
- Peace, Justice and Environmental Studies (LPE)
- Renewable Energy/Environmental Studies (LRE)
- Science-Math Education (LSM)
- Social Sciences (LSS)
- Theater (LAT)

Associate of Science Degree

- Accounting (ACC)
- Art/Fine Art (AFA) ➀
- Art/Fine Art MassTransfer Option (AFC) ➀
- Art/Visual Arts (AVA)
- Art/Visual Arts MassTransfer Option (AVC)
- Computer Information Systems (CIS)
- Criminal Justice (CRI) ②
- Criminal Justice MassTransfer Option (CJC) ②
- Early Childhood Education MassTransfer Option (ECE) ❼
- Engineering Science (EGS)
- Fire Science Technology (FST)
- Management (MAN)
- Marketing (MKT)
- Nursing (NUR) ⑤
- Office Management (OMN)

Certificate Programs

- Digital Media (DME)
- Early Childhood Education (LEC) ❼
- Entrepreneurship (ENT)
- Environmental Science (NRC)
- Human Services (HSV)
- Office Assistant (OFF) ⑤
- Outdoor Leadership (OLP) ⑤ ⑦
- Paramedic (PMC) ⑦
- Practical Nursing-LPN, (PNC) ⑦ ⑧
- Real Estate (RST)
- Renewable Energy/Energy Efficiency (REE)
- Web Development and Design (WDD)

Programs in Collaboration with Neighboring Community Colleges

- Physical Therapist Assistant
- Radiologic Technology Program

All degree programs approved by the Massachusetts Department of Higher Education.

➀ This program is undergoing review and is not currently accepting new students.
➁ Police Career Incentive Pay Program (PCIPP) or Quinn Bill approved by the Massachusetts Board of Higher Education
➂ Accredited by the National Association for the Education of Young Children.
➃ Accredited by the National League for Nursing Accrediting Commission
④ Program not eligible for federal and state financial assistance
⑤ Certificate programs approved by the Massachusetts Department of Higher Education.
⑥ Accredited by the Association for Experiential Education
⑦ Accredited by the Commonwealth of Massachusetts’ Office for Emergency Medical Services (OEMS)
⑧ Approved by the Massachusetts Board of Registration for Nursing
LIBERAL ARTS ELECTIVES

The courses on this list (pages 50-51) may satisfy liberal arts electives for a program. Please refer to the specific program before selecting from this list.

“Liberal Arts” comprises those areas of study within the humanities and fine arts, behavioral and social sciences, mathematics, and natural and physical sciences.

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<td>MAT 108</td>
<td>PHI 110</td>
<td>SCI 134</td>
<td></td>
</tr>
<tr>
<td>MAT 114</td>
<td>PHI 204</td>
<td>SCI 137</td>
<td></td>
</tr>
<tr>
<td>MAT 116</td>
<td>PHI 205</td>
<td>SCI 138</td>
<td></td>
</tr>
<tr>
<td>MAT 117</td>
<td>PHI 206</td>
<td>SCI 227</td>
<td></td>
</tr>
</tbody>
</table>
Academic Programs

Associate of Arts Degrees

• Business Administration Transfer (BAT)
• Liberal Arts (LIB)

All of the following are Liberal Arts advising options. You may focus on one of these options. Your diploma will read “Liberal Arts.” GCC will award you only one Liberal Arts degree.

- American Studies (LAS)
- Art (LAA)
- Computer Science (LCS)
- Computer Science Applications (LCA)
- Dance (LAD)
- Economics (LES)
- Education (LEO)
- English (LAE)
- Environmental Science (LEN)
- Farm and Food Systems (LFF)
- Food Science (LFO)
- Gender and Women’s Studies (LGW)
- Healing Arts (LHA)
- Health Fitness and Wellness (LHF) ➀
- Health Science (LAH)
- Hospitality and Tourism Management (LHT)
- Human Services (LHS)
- International Studies (LIS)
- Math-Science (LMO)
- Music (LMU)
- Peace, Justice and Environmental Studies (LPE)
- Renewable Energy/Energy Efficiency (LRE)
- Science-Math Education (LSM)
- Social Sciences (LSS)
- Theater (LAT)

Our Associate of Arts programs consist of a broad range of general studies in the humanities, behavioral sciences, business, natural sciences, mathematics, and technology with program options to focus on more specialized fields of interest. These options lead to the associate of arts degree and transfer status as a junior at many four-year colleges and universities. Many professions, including law, medicine, economics, education, and human services, require a strong liberal arts background. Our programs are designed to provide a strong foundation in liberal studies that will enable you to transfer to Baccalaureate programs at other institutions.➁

Note: Total credits for a program indicate the minimum credits required to complete the program. Depending on your course selection, you may earn more than the minimum credits to complete a program. Developmental courses may not be used to fulfill associate degree requirements. Refer to page 28 for more information.

➀ This program is undergoing review and is not currently accepting new students.
➁ To learn more about transfer requirements, see pages 38-40.
## Business Administration Transfer (BAT)

### THE DEGREE
Associate of Arts

### THE PROGRAM
Provides the necessary courses for transfer to Baccalaureate programs in business administration. The program has a core of business administration courses combined with courses in liberal arts with an emphasis on mathematics. By using electives, you may complete the program of study typically offered in the first two years of a Baccalaureate program.

### YOUR NEXT STEP
Transfer to a Baccalaureate program

### PROGRAM CONTACTS
Jeff Galbraith, Office: E132M, (413) 775-1483, galbraith@gcc.mass.edu
Kathleen Vranos, Office: E132K, (413) 775-1471, vranosk@gcc.mass.edu

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### Program Requirements

#### English Composition/Writing
- ENG 101, 103, or 105 English Composition I 3
- ENG 112, 114, or 116 English Composition II 3

#### Behavioral and Social Sciences
- ECO 101 Principles of Macroeconomics 3
- ECO 102 Principles of Microeconomics 3
- PSY 101 Principles of Psychology 3

#### Humanities and Fine Arts
- One 200-level course coded ENG 3
- One course coded HIS 3
- One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II 3-4

#### Natural or Physical Science
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105 8

#### Mathematics/Quantitative Reasoning
- Any course coded: MAT other than a developmental course (see page 28), MAT 105, and MAT 106 3-4

#### Additional Requirements
- One of the following: ACC 121 Principles of Financial Accounting I or ACC 151 Concepts of Financial Accounting I 3-4
- One of the following: ACC 122 Principles of Financial Accounting II or ACC 152 Concepts of Financial Accounting II 3-4
- ACC 203 Management Accounting 3
- BUS 111 The Contemporary Business World 3
- BUS 205 Principles of Management 3
- BUS 209 Principles of Marketing 3
- CIS 140 Microcomputer Software Tools I 3

#### Program Electives
- Any course coded ACC, BUS, CIS or ECO 3

#### General Electives
- Any courses other than a developmental course (see page 28) 3-4

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Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Math courses to be chosen after consultation with faculty advisor and in consideration of the requirements of the transfer institution. A number of the transfer schools require MAT 151 (Applied Calculus I).
3. While both ACC 121/122 and ACC 151/152 introduce the student to the accounting cycle and topics in accounting, ACC 151/152 focuses on accounting for corporations and the analysis of financial statements and is recommended for BAT students.
4. Recommended: MAT 151 (Applied Calculus I).
# Liberal Arts (LIB)

Satisfies MassTransfer Block

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides a broad background in the humanities, behavioral sciences, and natural sciences.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program.</td>
</tr>
</tbody>
</table>

## Program Requirements

**Total Credits: 60-61**

### English Composition/Writing
- ENG 101, 103, or 105 English Composition I 3
- ENG 112, 114, or 116 English Composition II 3

### Behavioral and Social Sciences
- Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101 6
- One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC 3

### Humanities and Fine Arts
- One 200-level course coded ENG 3
- One course coded HIS 3
- One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II 3-4
- PCS 101, 121, 131, or 141 3

### Natural or Physical Science
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105 8

### Mathematics/Quantitative Reasoning
- Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106 3-4

### General Electives
- Any courses other than a developmental course (see page 28) 22

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. You may also select from the liberal arts options listed on page 52.
2. See pages 38-40 for the specific requirements of the MassTransfer policy.
Liberal Arts Option: American Studies (LAS)

**THE DEGREE**
Associate of Arts in Liberal Arts

**THE OPTION**
Provides a comprehensive overview of American culture for those planning to pursue careers in education, public service, social service, law, advertising, public relations, journalism, library science, and the ministry. The program’s major emphasis is on American literature, history, and government.

**YOUR NEXT STEP**
Transfer to a Baccalaureate program.

**OPTION ADVISOR**
Joanne McNeil Hayes, Office: N316, (413) 775-1230, hayes@gcc.mass.edu

**Option Requirements**

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
<td><strong>ENG 101, 103, or 105 English Composition I</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>ENG 112, 114, or 116 English Composition II</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td><strong>POL 101 American Politics</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One course from this list: <strong>ANT 103, ANT 104, ECO 101, ECO 102, EVS 101, PSY 101, or SOC 101</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One 3-credit course coded: <strong>ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
<td><strong>ENG 203 American Literature I</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>ENG 204 American Literature II</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>HIS 105 History of the American People to 1865</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>HIS 106 History of the American People Since 1865</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>PCS 101, 121, 131, or 141</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
<td>Any two 4-credit courses coded: <strong>BIO, CHE, GEO, PHY, SCI or EGR 105</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td>Any course coded MAT other than a developmental course (see page 28), <strong>MAT 105, and MAT 106</strong></td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Option Electives</strong></td>
<td>Any two courses from the list of American Studies Electives below</td>
<td>6</td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td>Any courses other than a developmental course (see page 28)</td>
<td>13</td>
</tr>
</tbody>
</table>

**Total Credits:** 60-61

- **AMERICAN STUDIES ELECTIVES**
  - **ENG 219 Ethnic Literature**
  - **ENG 235 Survey of Latin American Literature**
  - **ENG 253 Valley/American Literature**
  - **GEO 103 Valley Geology**
  - **HIS 127 History of African-American Peoples**
  - **HIS 131 Women in American History**
  - **POL 203 American Civil Liberties**
  - **POL 205 American Foreign Policy**
  - Appropriate Directed Study (295 or 296)

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

① See pages 38-40 for the specific requirements of the MassTransfer policy.
Liberal Arts Option: Art (LAA)

**THE DEGREE**
Associate of Arts in Liberal Arts

**THE OPTION**
Provides a broad range of liberal arts studies with an emphasis on the visual arts. Future careers may include art education, art therapy, museum or gallery work, and other arts-related fields.

**YOUR NEXT STEP**
Transfer to a Baccalaureate program.

**OPTION ADVISOR**
Pual Lindale, Office: S217, (413) 775-1241, lindale@gcc.mass.edu

<table>
<thead>
<tr>
<th>Option Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
</tr>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
</tr>
<tr>
<td>Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101</td>
</tr>
<tr>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
</tr>
<tr>
<td>One 200-level course coded ENG</td>
</tr>
<tr>
<td>One course coded HIS</td>
</tr>
<tr>
<td>AHS 101 Art History Survey I</td>
</tr>
<tr>
<td>AHS 102 Art History Survey II</td>
</tr>
<tr>
<td>ART 121 Visual Concepts I</td>
</tr>
<tr>
<td>ART 123 Visual Concepts II</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
</tr>
<tr>
<td>Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
</tr>
<tr>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any five additional courses coded ART ②</td>
</tr>
<tr>
<td>Any 3 credits of courses from the list of Liberal Arts Electives on pages 50-51 other than ART 121-299</td>
</tr>
</tbody>
</table>

Note: Courses coded ART and which have ART prerequisites are graded credit/no-credit.
① See pages 38-40 for the specific requirements of the MassTransfer policy.
② Art Studio Transfer courses (ART 188, ART 288) as approved by Program Coordinator.
Liberal Arts Option: Computer Science (LCS)

<table>
<thead>
<tr>
<th>Option Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
</tr>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
</tr>
<tr>
<td>Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101</td>
</tr>
<tr>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
</tr>
<tr>
<td>One 200-level course coded ENG</td>
</tr>
<tr>
<td>One course coded HIS</td>
</tr>
<tr>
<td>One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
</tr>
<tr>
<td>PHY 111 General Physics I with Calculus</td>
</tr>
<tr>
<td>PHY 112 General Physics II with Calculus</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
</tr>
<tr>
<td>MAT 201 Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>MAT 202 Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>MAT 203 Multivariate Calculus</td>
</tr>
<tr>
<td><strong>Additional Requirements</strong></td>
</tr>
<tr>
<td>CIS 150 Programming Principles and Concepts</td>
</tr>
<tr>
<td>CIS 251 Java Programming</td>
</tr>
<tr>
<td>CIS 252 C++ Programming</td>
</tr>
<tr>
<td><strong>Option Electives</strong></td>
</tr>
<tr>
<td>Any 9 credits of courses coded: BIO, CHE, GEO, MAT 107 or higher, PHY, SCI, or EGR 105 other than SCI 114, 131, 132, 133, 135, and 221</td>
</tr>
</tbody>
</table>

Total Credits: 65

Option Advisor: Doug Wilkins, Office: E132P, (413) 775-1480, wilkins@gcc.mass.edu

See pages 38-40 for the specific requirements of the MassTransfer policy.
### Academic Programs

**Liberal Arts Option: Computer Science Applications (LCA) Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Provides a base of liberal arts, mathematics, sciences, and computer courses to prepare a student for transfer to a Bachelor of Arts program in Computer Science.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program that combines computer science studies with a second discipline.</td>
</tr>
<tr>
<td>OPTION ADVISOR</td>
<td>Doug Wilkins, Office: E132P, (413) 775-1480, <a href="mailto:wilkins@gcc.mass.edu">wilkins@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Total Credits: 64**

<table>
<thead>
<tr>
<th>Option Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td></td>
</tr>
<tr>
<td>Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101</td>
<td>6</td>
</tr>
<tr>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
<td></td>
</tr>
<tr>
<td>One 200-level course coded ENG</td>
<td>3</td>
</tr>
<tr>
<td>One course coded HIS</td>
<td>3</td>
</tr>
<tr>
<td>Any 4-credit course coded: ASL, FRE, LAT, or SPA</td>
<td>4</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
<td></td>
</tr>
<tr>
<td>Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
<td>8</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td></td>
</tr>
<tr>
<td>One of the following: MAT 114 Introduction to Statistics or MAT 201 Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>One of the following: MAT 151 Applied Calculus I or MAT 202 Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td><strong>Additional Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>CIS 150 Programming Principles and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CIS 251 Java Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 252 C++ Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 254 Data Structures</td>
<td>4</td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td></td>
</tr>
<tr>
<td>Any courses other than a developmental course (see page 28)</td>
<td>7</td>
</tr>
</tbody>
</table>

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. General Electives: It is strongly recommended that students take a second four-credit foreign language course, as some transfer institutions require as many as four semesters of foreign language.
Liberal Arts Option: Dance (LAD)

- **THE DEGREE**: Associate of Arts in Liberal Arts
- **THE OPTION**: Provides a base of liberal arts studies with an elective emphasis on dance. Future careers may include performance, choreography, dance education, or dance therapy.
- **YOUR NEXT STEP**: Transfer to a Baccalaureate program.
- **OPTION ADVISOR**: Sharon Arslanian, Office: E108A, (413) 775-1262, arslanian@gcc.mass.edu

**Total Credits: 62-63**

### Option Requirements

#### English Composition/Writing
- ENG 101, 103, or 105 English Composition I
- ENG 112, 114, or 116 English Composition II

#### Behavioral and Social Sciences
- Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101
- One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSY, or SOC

#### Humanities and Fine Arts
- One 200-level course coded ENG
- One course coded HIS
- DAN 101 Introduction to Dance
- One of the following: DAN 120 World Dance and Culture or DAN 121 Dance History
- DAN 201 Dance Repertory Group: Mixed Company
- PCS 101, 121, 131, or 141

#### Natural or Physical Science
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105

#### Mathematics/Quantitative Reasoning
- Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106

### Option Electives
- Any 15 credits of courses from the Dance Electives list below (must include at least two dance styles and at least 3 credits at the 200 level)
- General Electives
- Any courses other than a developmental course (see page 28)

### DANCE ELECTIVES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN 102</td>
<td>Pilates Mat Work</td>
<td>1</td>
</tr>
<tr>
<td>DAN 103</td>
<td>Jazz Dance I</td>
<td>1-3</td>
</tr>
<tr>
<td>DAN 104</td>
<td>Jazz Dance II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 105</td>
<td>African Dance I</td>
<td>1-3</td>
</tr>
<tr>
<td>DAN 106</td>
<td>African Dance II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 107</td>
<td>Ballet I</td>
<td>1-3</td>
</tr>
<tr>
<td>DAN 108</td>
<td>Ballet II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 111</td>
<td>Modern Dance I</td>
<td>1-3</td>
</tr>
<tr>
<td>DAN 112</td>
<td>Modern Dance II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 114</td>
<td>Tap Dance I</td>
<td>1-3</td>
</tr>
<tr>
<td>DAN 115</td>
<td>Tap Dance II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 116</td>
<td>Middle Eastern Dance I</td>
<td>1-3</td>
</tr>
<tr>
<td>DAN 117</td>
<td>Middle Eastern Dance II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 120</td>
<td>World Dance and Culture</td>
<td>3</td>
</tr>
<tr>
<td>DAN 121</td>
<td>Dance History</td>
<td>3</td>
</tr>
<tr>
<td>DAN 130</td>
<td>Choreography/Performance</td>
<td>3</td>
</tr>
<tr>
<td>DAN 183</td>
<td>Ballroom Dance: American Smooth Style</td>
<td>1</td>
</tr>
<tr>
<td>DAN 184</td>
<td>Ballroom Dance: Latin Style</td>
<td>1</td>
</tr>
<tr>
<td>DAN 203</td>
<td>Jazz Dance III</td>
<td>3</td>
</tr>
<tr>
<td>DAN 204</td>
<td>Jazz Dance IV</td>
<td>3</td>
</tr>
<tr>
<td>DAN 205</td>
<td>African Dance III</td>
<td>3</td>
</tr>
<tr>
<td>DAN 206</td>
<td>African Dance IV</td>
<td>3</td>
</tr>
<tr>
<td>DAN 207</td>
<td>Ballet III</td>
<td>3</td>
</tr>
<tr>
<td>DAN 208</td>
<td>Ballet IV</td>
<td>3</td>
</tr>
<tr>
<td>DAN 211</td>
<td>Modern Dance III</td>
<td>3</td>
</tr>
<tr>
<td>DAN 212</td>
<td>Modern Dance IV</td>
<td>3</td>
</tr>
<tr>
<td>DAN 214</td>
<td>Tap Dance III</td>
<td>3</td>
</tr>
<tr>
<td>DAN 215</td>
<td>Tap Dance IV</td>
<td>3</td>
</tr>
<tr>
<td>DAN 216</td>
<td>Middle Eastern Dance III</td>
<td>3</td>
</tr>
<tr>
<td>DAN 217</td>
<td>Middle Eastern Dance IV</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

① See pages 38-40 for the specific requirements of the MassTransfer policy.
Liberal Arts Option: Economics (LES)  

Satisfies MassTransfer Block

**THE DEGREE**  
Associate of Arts in Liberal Arts

**THE OPTION**  
Provides a foundational course of study for those seeking to transfer to Baccalaureate programs in economics. The program provides a strong base in mathematics, liberal arts, foreign language, and social sciences.

**YOUR NEXT STEP**  
Transfer to a Baccalaureate program.

**OPTION ADVISOR**  
Dr. Tuathal T. Fitzsimmons, Office: E132F, (413) 775-1482, fitzsimmonst@gcc.mass.edu

---

**Option Requirements**

**English Composition/Writing**
- ENG 101, 103, or 105 English Composition I  
  3 credits
- ENG 112, 114, or 116 English Composition II  
  3 credits

**Behavioral and Social Sciences**
- ECO 101 Principles of Macroeconomics  
  3 credits
- ECO 102 Principles of Microeconomics  
  3 credits
- POL 101 American Politics  
  3 credits

**Humanities and Fine Arts**
- One 200-level course coded ENG  
  3 credits
- One course coded HIS  
  3 credits
- Any 6 credits beyond current foreign language proficiency coded: ASL, FRE, LAT, or SPA  
  6 credits
- One course coded PCS  
  3 credits

**Natural or Physical Science**
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105  
  8 credits

**Mathematics/Quantitative Reasoning**
- MAT 114 Introduction to Statistics  
  4 credits

**Additional Requirements**
- Any two of the following: MAT 107, MAT 108, MAT 151, MAT 201, or MAT 202  
  8 credits
- BUS 111 The Contemporary Business World  
  3 credits
- CIS 145 Relational Database Design and Application  
  3 credits
- Any additional course coded ECO  
  3 credits

**Option Electives**
- Any 6 credits of courses coded: ACC, BUS, CIS, ECO, GGY, HIS, POL, MAT 200 or higher; ANT 104, other than a developmental course (see page 28)  
  6 credits

---

See pages 38-40 for the specific requirements of the MassTransfer policy.
**Liberal Arts Option: Education (LEO)**

**THE DEGREE**
Associate of Arts in Liberal Arts

**THE OPTION**
Provides a broad range of liberal arts studies with an elective emphasis on education.

**YOUR NEXT STEP**
Transfer to a Baccalaureate program as preparation to teach in preschools and elementary schools.

**OPTION ADVISOR**
Kate Finnegan, Office: E118A, (413) 775-1125, finnegan@gcc.mass.edu

<table>
<thead>
<tr>
<th>Requirement Category</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>PSY 101 Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSY 233 Child Behavior and Development</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the following: ANT 104 Cultural Anthropology, Tribes, States, and the Global System, or GGY 101 Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
<td>One of the following: ENG 205 British Literature I or ENG 206 British Literature II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 241 Survey of Children's Literature</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIS 101, 102, 105, or 106</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
<td>One 4-credit course coded BIO</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>One 4-credit course coded: CHE, GEO, PHY, SCI, or EGR 105</td>
<td>4</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td>MAT 116 Mathematics for Early Childhood and Elementary Educators</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>One of the following: MAT 117 Mathematical Problem Solving or MAT 114 Introduction to Statistics</td>
<td>3 or 4</td>
</tr>
<tr>
<td><strong>Additional Requirements</strong></td>
<td>EDU 111 Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EDU 205 Philosophy of Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the following: ECO 101 Principles of Macroeconomics, ECO 102 Principles of Microeconomics, or POL 101 American Politics</td>
<td>3</td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td>Any courses other than a developmental course (see page 28)</td>
<td>10</td>
</tr>
</tbody>
</table>

**Total Credits: 61 or 62**

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7.

① See pages 38-40 for the specific requirements of the MassTransfer policy.

② Consult with Education Faculty.
# Liberal Arts Option: English (LAE)

## THE DEGREE
Associate of Arts in Liberal Arts

## THE OPTION
Offers the opportunity to study literature and to write and think critically and creatively. It provides a strong foundation for students considering a major or minor in English.

## YOUR NEXT STEP
Transfer to a Baccalaureate program. Future careers may include writing, editing, publishing, education, public relations, advertising, business, media communications, information technology, law, and politics.

## OPTION ADVISOR
Lillian Ruiz, Office: N315, (413) 775-1236, ruiz@gcc.mass.edu
For Fall 2012: Christine Monahan, Office: N319, (413) 775-1273, monahan@gcc.mass.edu

### ENGLISH ELECTIVES

<table>
<thead>
<tr>
<th>Column A</th>
<th></th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 201 Western Literature I</td>
<td>ENG 207 Creative Writing and Literature: Themes and Methods</td>
<td>3</td>
</tr>
<tr>
<td>ENG 202 Western Literature II</td>
<td>ENG 208 Creative Writing and Literature: Studies in Genre</td>
<td>3</td>
</tr>
<tr>
<td>ENG 203 American Literature I</td>
<td>ENG 210 Creative Nonfiction</td>
<td>3</td>
</tr>
<tr>
<td>ENG 204 American Literature II</td>
<td>ENG 211 Modern Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENG 205 British Literature I</td>
<td>ENG 212 Graphic Novel</td>
<td>3</td>
</tr>
<tr>
<td>ENG 206 British Literature II</td>
<td>ENG 224 Technology and Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 219 Ethnic Literature</td>
<td>ENG 229 Gothic Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 221 Shakespeare</td>
<td>ENG 240 Special Topics in Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 228 Queer Literature</td>
<td>ENG 241 Survey of Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 235 Survey of Latin American Literature</td>
<td>ENG 243 Modern Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENG 247 Women in Literature I</td>
<td>ENG 244 Science Fiction: Themes and Contexts</td>
<td>3</td>
</tr>
<tr>
<td>ENG 248 Women in Literature II</td>
<td>ENG 253 Valley/American Literature</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 261 The Short Story</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>FLK 218 Storytelling</td>
<td>3</td>
</tr>
</tbody>
</table>

- **Note:** MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.
- **See pages 38-40 for the specific requirements of the MassTransfer policy.**
- **Other English courses may be accepted with the approval of the Program Coordinator.**

## Total Credits: 60-61
**Liberal Arts Option: Environmental Science (LEN)**

**Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Provides a background in environmental science with coursework geared toward transfer requirements for a four-year Baccalaureate program in environmental science.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td>OPTION ADVISOR</td>
<td>Brian Adams, Office: S410, (413) 775-1454, <a href="mailto:adams@gcc.mass.edu">adams@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

Total Credits: 60-62

**Option Requirements**

**English Composition/Writing**
- ENG 101, 103, or 105 English Composition I: 3
- ENG 112, 114, or 116 English Composition II: 3

**Behavioral and Social Sciences**
- ECO 113 Environmental Economics: 3
- EVS 101 Environmental Studies: Issues in Sustainability: 3
- One of the following: ANT 103, ANT 104, POL 101, PSY 101, or SOC 101: 3

**Humanities and Fine Arts**
- One 200-level course coded ENG: 3
- One course coded HIS: 3
- One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II: 3-4
- PCS 101, 121, 131, or 141: 3

**Natural or Physical Science**
- BIO 120 Introduction to Environmental Science: 4
- BIO 126 Biology I: 4
- BIO 127 Biology II: 4
- One of the following: BIO 103 Ecology, BIO 104 Natural History, or BIO 122 Freshwater Ecology: 4
- CHE 111 General Chemistry I: 4
- Any two courses coded: BIO, CHE, GEO, MAT 106 or higher; SCI or EGR 105 other than SCI 114, 131, 132, 133, 135, and 221: 6-8

**Mathematics/Quantitative Reasoning**
- One of the following: MAT 107 College Algebra or MAT 114 Introduction to Statistics: 4

**General Electives**
- Any courses other than a developmental course (see page 28): 3

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Students are strongly advised to also take CHE 112 General Chemistry II.
3. Students are strongly advised to take CHE 112, MAT 107, and MAT 114.
4. Students are strongly advised to take both MAT 107 and MAT 114.
5. To be chosen in consultation with the faculty advisor and in consideration of the requirements of the transfer institution.
Academic Programs

Liberal Arts Option: Farm and Food Systems (LFF)  
Satisfies MassTransfer Block

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Explores the broad field of sustainable farming and food systems. It provides students with an interdisciplinary understanding of the ecological, economic, political, and social systems as they relate to food and farming. Through additional applied courses and internships, students learn hands-on skills such as food cultivation, preservation, processing, techniques for propagation, and season-extension, and design of annual and perennial production systems. Students engage in community partnerships and participate in bioregional efforts to support food security, local economies, and planning for resiliency.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program in Sustainable Food and Farming or apply gained knowledge to jobs in sustainable farming, agriculture policy, food-related enterprises, or food systems planning.</td>
</tr>
<tr>
<td>OPTION ADVISOR</td>
<td>Mary Ellen Fydenkevez, Office: S411, (413) 775-1469, <a href="mailto:fydenkevez@gcc.mass.edu">fydenkevez@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Option Requirements**

| **English Composition/Writing** |
|-------------------------------|---|
| ENG 101, 103, or 105 English Composition I | 3 |
| ENG 112, 114, or 116 English Composition II | 3 |

<table>
<thead>
<tr>
<th><strong>Behavioral and Social Sciences</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>EVS 101 Environmental Studies: Issues in Sustainability</td>
</tr>
<tr>
<td>EVS 118 Introduction to Food Systems</td>
</tr>
<tr>
<td>One of the following: ANT 103, ANT 104, ECO 101, ECO 102, POL 101, PSY 101, or SOC 101</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Humanities and Fine Arts</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>One 200-level course coded ENG</td>
</tr>
<tr>
<td>One course coded HIS</td>
</tr>
<tr>
<td>One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE other than a developmental course (see page 28), English Composition I and English Composition II</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
</tr>
</tbody>
</table>

| **Natural or Physical Science** |
|--------------------------------|---|
| SCI 138 Soil Science | 4 |
| Any two courses from the following: BIO 102, BIO 124, or SCI 137 | 8 |

<table>
<thead>
<tr>
<th><strong>Mathematics/Quantitative Reasoning</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>One of the following: MAT 107, MAT 108, or MAT 201</td>
</tr>
</tbody>
</table>

| **Option Electives** |
|----------------------|---|
| Courses, totaling 17 credits, to be chosen from those with the following codes: ACC, AGR (re-skilling courses), BIO, BUS, CHE, CIS other than a developmental course (see page 28), ECO, EVS, MAT other than a developmental course (see page 28), MAT 105 and MAT 106; PSJ, SCI; Internship(s) of 1-6 credits (either 293 or 294) with an EVS, SCI, BUS, or CIS coding may be available. Should be chosen in consultation with an advisor. It is recommended (but not required) to cluster electives around a theme (entrepreneurship, social justice, science, etc.) | 17 |

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See pages 38-40 for the specific requirements of the MassTransfer policy.

Recommended if transferring to the UMass Sustainable Food and Farming Program: BIO 102 Botany; CHE 111 General Chemistry I; SCI 137 Permaculture Design; MAT 108 Precalculus
**Liberal Arts Option: Food Science (LFO)**

**The Degree**
Associate of Arts in Liberal Arts

**The Option**
Provides a strong two-year program in food science or food science engineering, similar to the first two years of a university program.

**Your Next Step**
Transfer to a Baccalaureate program in food science, food science engineering or, with modification, nutrition.

**Option Advisor**
Mary Ellen Fydenkevez, Office: S411, (413) 775-1469, fydenkevez@gcc.mass.edu

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**Option Requirements**

<table>
<thead>
<tr>
<th>Total Credits: 61</th>
</tr>
</thead>
</table>

**English Composition/Writing**
- ENG 101, 103, or 105 English Composition I 3
- ENG 112, 114, or 116 English Composition II 3

**Behavioral and Social Sciences**
- Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101 6
- One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC 3

**Humanities and Fine Arts**
- One 200-level course coded ENG 3
- One course coded HIS 3
- One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II 3-4
- PCS 101, 121, 131, or 141 3

**Natural or Physical Science**
- BIO 130 Human Nutrition 3
- BIO 194 Comprehensive Anatomy and Physiology 4
- BIO 205 Microbiology 4
- CHE 111 General Chemistry I 4
- CHE 112 General Chemistry II 4
- PHY 101 General Physics I 4
- PHY 102 General Physics II 4

**Mathematics/Quantitative Reasoning**
- MAT 108 Pre Calculus 4

**Additional Requirements**
- CIS 140 Microcomputer Software Tools I 3

---

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
**Academic Programs**

**Liberal Arts Option: Gender and Women’s Studies (LGW)** `{Satisfies MassTransfer Block}`

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Offers an opportunity to understand various academic disciplines through the material, social, and cultural experiences of women and through the concept and context of gender as it applies to the sexes and frames the way we make sense of the world. The program provides a focus for students interested in gender and women's studies within the framework of the traditional skills and content of a liberal arts education.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program in any liberal arts discipline, women's studies, gender studies, queer studies, interdisciplinary studies, or related fields.</td>
</tr>
<tr>
<td>OPTION ADVISORS</td>
<td>Dr. Anne M. Wiley, Office: E116F, (413) 775-1132, <a href="mailto:wiley@gcc.mass.edu">wiley@gcc.mass.edu</a>  Joanne McNeil Hayes, Office: N316, (413) 775-1230, <a href="mailto:hayes@gcc.mass.edu">hayes@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Option Requirements**

**English Composition/Writing**
- ENG 101, 103, or 105 English Composition I 3
- ENG 112, 114, or 116 English Composition II 3

**Behavioral and Social Sciences**
- Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101 6
- One additional 3-credit 200-level course coded: ANT, ECO, EVS, POL, PSY, or SOC 3

**Humanities and Fine Arts**
- One of the following: ENG 228 Queer Literature, ENG 247 Women in Literature I, or ENG 248 Women in Literature II 3
- One course coded HIS 3
- One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II 3
- PCS 101, 121, 131, or 141 3

**Natural or Physical Science**
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105 8

**Mathematics/Quantitative Reasoning**
- Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106 3

**Additional Requirements**
- WST 115 Introduction to Women’s Studies 3

**Option Electives**
- Any three courses from the Gender and Women’s Studies Electives list below 9
- One course from the Gender and Women’s Studies Social and Cultural Diversity Elective list below, or any course that meets the University of Massachusetts social and cultural diversity requirement, marked with an * in the GCC Catalog 3

**General Electives**
- Any courses other than a developmental course (see page 28) 7

---

**GENDER AND WOMEN’S STUDIES ELECTIVES**
- ENG 228 Queer Literature 3
- ENG 247 Women in Literature I 3
- ENG 248 Women in Literature II 3
- EVS 121 Gender and the Environment 3
- HIS 131 Women in American History 3
- HUM 119 Women in the Pioneer Valley 3
- PSY 225 Psychology of Women 3
- SOC 206 Sociology of Human Sexuality: Behaviors, Experiences, and Identities 3
- SOC 208 Sociology of Gender 3

**GENDER AND WOMEN’S STUDIES SOCIAL AND CULTURAL DIVERSITY ELECTIVES**
- EDU 103 Creative Experiences in Art, Music, and Drama 3
- EDU 205 Philosophy of Education 3
- ENG 241 Survey of Children’s Literature 3
- GGY 101 Introduction to Geography 3
- HUM 153 Media and Popular Culture 3
- PHI 206 Environmental Ethics 3
- PSY 214 Psychology of Peace, Conflict and Violence 3
- SOC 203 Sociology of the Family 3

---

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Recommended: PSY 225, SOC 203, or SOC 206.
# Liberal Arts Option: Healing Arts (LHA)

**THE DEGREE**  
Associate of Arts in Liberal Arts

**THE OPTION**  
Enables graduates of the Stillpoint Center School of Massage, Inc. and the Stillpoint Massage Therapy Program at GCC to get credit for their studies toward an Associate of Arts degree from GCC. The program provides a broad range of general studies in the behavioral sciences, the natural sciences, the humanities, and business.

**YOUR NEXT STEP**  
Practice therapeutic massage as a business owner/manager; secure an entry-level position with an existing provider group, or transfer to a Baccalaureate program or professional institution.

**OPTION ADVISOR**  
Patricia A. Wachter, Office: D312, (413) 775-1634, wachter@gcc.mass.edu

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**Option Requirements**

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
<td>ENG 101, 103, or 105</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>PSY 101</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>PSY 217</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>One 200-level course coded ENG</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>One course coded HIS</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
<td>Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
<td>8</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td>One of the following: ACC 121 Principles of Financial Accounting I or BUS 105 Personal Financial Literacy</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td>BUS 111 The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td>HAO 101 Healing Arts or courses with MTC prefix</td>
<td>12</td>
</tr>
<tr>
<td><strong>Option Electives</strong></td>
<td>Any 9 credits of courses from the list of Liberal Arts Electives on pages 50-51</td>
<td>9</td>
</tr>
</tbody>
</table>

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1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Awarded to Stillpoint Center School of Massage graduates after successful completion of 15 liberal arts credits at GCC.
3. Indicates that only students who have completed the MTC certificate may matriculate into the Healing Arts option.
Academic Programs

Liberal Arts Option: Health Science (LAH)

**THE DEGREE**
Associate of Arts in Liberal Arts

**THE OPTION**
Provides a foundation in the liberal arts with an emphasis on preparation for continued study in the health science field. The program includes an exploration of health careers, as well as basic science courses necessary for many health occupation programs.

**YOUR NEXT STEP**
Transfer to a Baccalaureate program related to health science, or a certificate or associate degree health occupation program such as clinical laboratory science or radiologic technology.

**OPTION ADVISOR**
Lou Peugh, Office: C118F, (413) 775-1848, peugh@gcc.mass.edu

---

**Option Requirements**

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>PSY 101 Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the following: ANT 103, ANT 104, ECO 101, ECO 102, EVS 101, POL 101, or SOC 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
<td>One 200-level course coded ENG</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One course coded HIS</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
<td>Any two 4-credit courses coded: BIO, CHE, or PHY</td>
<td>8</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Additional Requirements</strong></td>
<td>One of the following: HSC 127 Survey of Health Careers or 3 credits of courses coded EMS, MTC, or NUR</td>
<td>3</td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td>Any courses other than a developmental course (see page 28)</td>
<td>19</td>
</tr>
</tbody>
</table>

**Total Credits:** 60-61

---

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution. Work closely with your advisor to select course requirements and electives most appropriate for meeting your career objectives and your transfer institution’s requirements.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Recommended: MAT 114 or MAT 151.
3. HSC 127 will be taken in the first year as a LAH major.
**Liberal Arts Option: Hospitality and Tourism Management (LHT)**

**Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Provides a foundational course of study for those seeking to transfer to Baccalaureate programs in hospitality. The program combines a strong base in both business and liberal arts.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td>OPTION ADVISOR</td>
<td>Kathleen Vranos, Office: E132K, (413) 775-1471, <a href="mailto:vranosk@gcc.mass.edu">vranosk@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Option Requirements**

**English Composition/Writing**
- ENG 101, 103, or 105 English Composition I 3
- ENG 112, 114, or 116 English Composition II 3

**Behavioral and Social Sciences**
- ECO 101 Principles of Macroeconomics 3
- ECO 102 Principles of Microeconomics 3
- One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC 3

**Humanities and Fine Arts**
- One 200-level course coded ENG 3
- One course coded HIS 3
- One of the following: GGY 101 Introduction to Geography or any 3 or 4-credit course coded ASL, FRE, LAT, or SPA 3-4
- One course coded PCS 3

**Natural or Physical Science**
- BIO 130 Human Nutrition 3
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105 8

**Mathematics/Quantitative Reasoning**
- MAT 114 Introduction to Statistics 4

**Additional Requirements**
- One of the following: ACC 121 Principles of Financial Accounting I or ACC 151 Concepts of Financial Accounting I 3-4
- One of the following: ACC 122 Principles of Financial Accounting II or ACC 152 Concepts of Financial Accounting II 3-4
- BUS 111 The Contemporary Business World 3
- BUS 112 Introduction to Hospitality and Tourism 3
- BUS 209 Principles of Marketing 3

**Option Electives**
- Any 3-credit course coded: ACC, BUS, CIS, ECO, or MAT 106 or higher 3

**General Electives**
- Any courses other than a developmental course (see page 28) 3

Total Credits: 63-66

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

Students must earn a grade of C or better in BUS 112, MAT 114, and ECO 101 or ECO 102 for admission to the Hospitality and Tourism Management program at the University of Massachusetts at Amherst.

See pages 38-40 for the specific requirements of the MassTransfer policy.
# Academic Programs

## Liberal Arts Option: Human Services (LHS)

**Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th><strong>THE DEGREE</strong></th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THE OPTION</strong></td>
<td>Provides a broad range of studies in the core curriculum and human services offerings.</td>
</tr>
<tr>
<td><strong>YOUR NEXT STEP</strong></td>
<td>Transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td><strong>OPTION ADVISOR</strong></td>
<td>Anne Garvey, Office: E116H, (413) 775-1325, <a href="mailto:garveya@gcc.mass.edu">garveya@gcc.mass.edu</a></td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td>63-64</td>
</tr>
</tbody>
</table>

## Option Requirements

### English Composition/Writing
- ENG 101, 103, or 105 English Composition I: 3 credits
- ENG 112, 114, or 116 English Composition II: 3 credits

### Behavioral and Social Sciences
- PSY 101 Principles of Psychology: 3 credits
- PSY 217 Human Growth and Development: 3 credits
- SOC 101 Principles of Sociology: 3 credits

### Humanities and Fine Arts
- One 200-level course coded ENG: 3 credits
- One course coded HIS: 3 credits
- One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II: 3-4 credits
- PCS 101, 121, 131, or 141: 3 credits

### Natural or Physical Science
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105: 8 credits

### Mathematics/Quantitative Reasoning
- Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106: 3-4 credits

### Additional Requirements
- HSV 101 Introduction to Human Services: 3 credits
- HSV 115 The Helping Relationship: 3 credits
- HSV 205 Case Management Practices: 3 credits
- HSV 215 Counseling Skills: 3 credits
- HSV 271 Practicum in Human Services: 4 credits

### Option Electives
- Any two courses from the following: PSJ 120, PSY 209, PSY 214, PSY 215, PSY 225, PSY 277, any course coded ANT, SOC, HSV, or CRJ: 6 credits

### General Electives
- Any courses other than a developmental course (see page 28): 3 credits

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
## Liberal Arts Option: International Studies (LIS)

**Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Provides an introduction to the broad area of international studies, examining culture, history, literature, and society from a global perspective. Helps prepare students for careers in international fields.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td>OPTION ADVISOR</td>
<td>Dovi Afesi, Office: N321, (413) 775-1255, <a href="mailto:afesi@gcc.mass.edu">afesi@gcc.mass.edu</a></td>
</tr>
<tr>
<td>Total Credits:</td>
<td>61-62</td>
</tr>
</tbody>
</table>

### Option Requirements

#### English Composition/Writing

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Behavioral and Social Sciences

- One of the following: ANT 104 Cultural Anthropology: Tribes, States and the Global System, or ECO 101 Principles of Macroeconomics | 3       |
- One of the following: POL 103 Comparative Politics, or POL 105 International Politics | 3       |
- One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSY, PSJ, or SOC | 3       |

#### Humanities and Fine Arts

- One 200-level course coded ENG | 3       |
- HIS 129 Introduction to Modern Africa | 3       |
- Any 8 credits of courses coded: ASL, FRE, LAT, or SPA | 8       |
- PCS 101, 121, 131, or 141 | 3       |

#### Natural or Physical Science

- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105 | 8       |

#### Mathematics/Quantitative Reasoning

- Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106 | 3-4     |

### Option Electives

- Any 12 credits from the International Studies Electives list below (must choose from at least two different subject areas) | 12      |

### General Electives

- Any courses other than a developmental course (see page 28) | 6       |

#### INTERNATIONAL STUDIES ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 101 Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>AHS 102 Art History Survey II</td>
<td>3</td>
</tr>
<tr>
<td>ANT 104 Cultural Anthropology: Tribes, States and the Global System</td>
<td>3</td>
</tr>
<tr>
<td>DAN 105 African Dance I or DAN 106 African Dance II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 116 Middle Eastern Dance I or DAN 117 Middle Eastern Dance II</td>
<td>3</td>
</tr>
<tr>
<td>DAN 120 World Dance and Culture</td>
<td>3</td>
</tr>
<tr>
<td>DAN 205 African Dance III or DAN 206 African Dance IV</td>
<td>3</td>
</tr>
<tr>
<td>ECO 129 Global Trade and Development</td>
<td>3</td>
</tr>
<tr>
<td>ENG 219 Ethnic Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 235 Survey of Latin American Literature</td>
<td>3</td>
</tr>
<tr>
<td>HIS 106 History of the American People Since 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIS 129 Introduction to Modern Africa</td>
<td>3</td>
</tr>
<tr>
<td>MUS 128 World Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>MUS 137 World Music and Cultures</td>
<td>3</td>
</tr>
<tr>
<td>POL 103 Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 105 International Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 205 American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>Language (any combination of courses coded ASL, FRE, LAT, SPA)</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Recommended: ECO 129 Global Trade and Development.
### Academic Programs

#### Liberal Arts Option: Math-Science (LMO)  
**Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th><strong>THE DEGREE</strong></th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THE OPTION</strong></td>
<td>Designed for students who plan to transfer to a Baccalaureate program in math or science, or into a pre-professional program.</td>
</tr>
<tr>
<td><strong>YOUR NEXT STEP</strong></td>
<td>Transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td><strong>OPTION ADVISOR</strong></td>
<td>Dr. Sandra A. Gokey, Office: N412, (413) 775-1447, <a href="mailto:gokey@gcc.mass.edu">gokey@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

#### Option Requirements

<table>
<thead>
<tr>
<th><strong>English Composition/Writing</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Behavioral and Social Sciences</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101</td>
</tr>
<tr>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Humanities and Fine Arts</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>One 200-level course coded ENG</td>
</tr>
<tr>
<td>One course coded HIS</td>
</tr>
<tr>
<td>One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Natural or Physical Science</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two of the following course codes and take two 4-credit courses in each: BIO, CHE, GEO, MAT 201 or higher, PHY, or SCI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Mathematics/Quantitative Reasoning</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Any two courses from the following: MAT 107, 108, 201, or 202</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Option Electives</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Any 11 credits of courses coded: BIO, CHE, CIS 200 level programming course, EGR, GEO, MAT 107 or higher, PHY, or SCI other than SCI 114, 131, 132, 133, 135, and 221</td>
</tr>
</tbody>
</table>

Total Credits: 62

Work closely with your advisor to select electives most appropriate for meeting your next academic steps and career objectives.  

① See pages 38-40 for the specific requirements of the MassTransfer policy.
### Liberal Arts Option: Music (LMU)

**Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th>The Degree</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Option</td>
<td>Combines a broad range of liberal arts studies with an elective emphasis on music that can be tailored to student interests. The program provides a strong foundation in music theory, music history, instrumental study, and ensemble performance. Numerous opportunities exist for exploring world music and music technology.</td>
</tr>
<tr>
<td>Your Next Step</td>
<td>Transfer to a four-year college or seek professional employment. Your future career may include work in performing, composing, teaching, audio production, music therapy, commercial music, artist management, and non-profit arts administration.</td>
</tr>
<tr>
<td>Option Advisor</td>
<td>Matthew Shippee, Office: S334, (413) 775-1228, <a href="mailto:shippeem@gcc.mass.edu">shippeem@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

#### Option Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td>Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
<td>One 200-level course coded ENG</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One course coded HIS</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MUS 107 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MUS 108 Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MUS 138 Creative Musicianship</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>MUS 147 Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MUS 148 Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>MUS 230 Applied Music 2-credit</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>MUS 231 Recital Participation</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>One of the following Music History Courses: MUS 101, 102, 127, or 137</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
<td>Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
<td>8</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Option Electives</strong></td>
<td>Any 6 credits of courses from the Ensemble Electives list below (must earn at least 4 credits in one ensemble)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Any two courses from the Music Electives list below</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Ensemble Electives

- MUS 111 Chorus
- MUS 125 Jazz Ensemble
- MUS 128 World Music Ensemble
- MUS 129 Chamber Ensemble
- MUS 139 Contemporary Music Ensemble

#### Music Electives

- MUS 101 An Introduction to Music
- MUS 102 Jazz Eras and Styles
- MUS 103 Music Theory Fundamentals
- MUS 122 Jazz Theory: Tools for Improvisation
- MUS 127 20th Century American Popular Music
- MUS 137 World Music and Cultures
- MUS 207 Music Theory III
- MUS 208 Jazz Improvisation
- MUS 220 Songwriting
- MUS 247 Aural Skills II

Music majors should plan to take MUS 230 (Applied Music) and MUS 231 (Recital Participation) concurrently for four semesters. Students with little or no music theory background should take MUS 103 (Music Theory Fundamentals) as an elective prior to enrolling in MUS 107 (Music Theory I). Some courses are rotated in the schedule and may not be offered every semester. Additional special topics courses are occasionally offered on a "one-time" basis in such areas as composition, world music regions, and electronic music.

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1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Two semesters of MUS 138 required.
3. Two credit lessons (MUS 230) on primary instrument; four semesters required.
4. Four semesters of MUS 231 required.
### Academic Programs

#### Liberal Arts Option: Peace, Justice and Environmental Studies (LPE)

**Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THE OPTION</strong></td>
<td>Offers students an opportunity to understand the relationship between viable economies, equity and justice, peace and ecological integrity through sustainability practices within the framework of the traditional skills and content of a liberal arts education. The program provides an interdisciplinary approach to learning that utilizes multiple sources and methods for learning and application to everyday life.</td>
</tr>
<tr>
<td><strong>YOUR NEXT STEP</strong></td>
<td>Transfer to a Baccalaureate program in any liberal arts discipline, peace and/or social justice studies, environmental studies or related fields such as public policy, law, education, management, economics, social work and others.</td>
</tr>
<tr>
<td><strong>OPTION ADVISOR</strong></td>
<td>Abbie Jenks, MSW, Office: E132U, (413) 775-1127, <a href="mailto:jenks@gcc.mass.edu">jenks@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

#### Total Credits: 60-64

<table>
<thead>
<tr>
<th><strong>Option Requirements</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Composition/Writing</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Behavioral and Social Sciences</strong></td>
<td></td>
</tr>
<tr>
<td>EVS 101 Environmental Studies: Issues in Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>EVS 204 Environmental Justice</td>
<td>3</td>
</tr>
<tr>
<td>PSJ 101 Introduction to Peace Studies</td>
<td>3</td>
</tr>
<tr>
<td>PSJ 120 Mediation and Conflict Resolution</td>
<td>3</td>
</tr>
<tr>
<td>PSJ 225 Peacemaking and Sustainability in Practice: Strategies for a Sustainable Future</td>
<td>3</td>
</tr>
<tr>
<td>PSY 214 Psychology of Peace, Conflict and Violence</td>
<td>3</td>
</tr>
<tr>
<td>SOC 106 Social Inequality</td>
<td>3</td>
</tr>
<tr>
<td>One of the following: ANT 104, ECO 101, PSY 101, or SOC 101</td>
<td>3</td>
</tr>
<tr>
<td><strong>Humanities and Fine Arts</strong></td>
<td></td>
</tr>
<tr>
<td>One 200-level course coded ENG</td>
<td>3</td>
</tr>
<tr>
<td>One course coded HIS</td>
<td>3</td>
</tr>
<tr>
<td>One of the following (these Humanities courses meet the University of Massachusetts Social and Cultural diversity requirement): AHS 101, DAN 105 (3-credit), DAN 106, DAN 116 (3-credit), DAN 117, DAN 120, DAN 205, DAN 206, DAN 216, DAN 217, ENG 219, ENG 228, ENG 235, ENG 247, ENG 248, HIS 127, HIS 129, HIS 131, HUM 150, MUS 102, MUS 137, PHI 110, or PHI 204</td>
<td>3</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
<tr>
<td><strong>Natural or Physical Science</strong></td>
<td></td>
</tr>
<tr>
<td>One of the following: BIO 103, BIO 120, SCI 120, or SCI 137</td>
<td>4</td>
</tr>
<tr>
<td>One 4-credit course coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
<td>4</td>
</tr>
<tr>
<td><strong>Mathematics/Quantitative Reasoning</strong></td>
<td></td>
</tr>
<tr>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Option Electives</strong></td>
<td></td>
</tr>
<tr>
<td>At least 7 credits of courses from the Peace, Justice, and Environmental Electives list on next page</td>
<td>7-10</td>
</tr>
</tbody>
</table>

*(Option Electives and Notes continued on next page)*
Liberal Arts Option: Peace, Justice and Environmental Studies (LPE)

(Continued from previous page)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103 Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 120 Introduction to Environmental Science</td>
<td>4</td>
</tr>
<tr>
<td>ECO 101 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 113 Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 129 Global Trade and Development</td>
<td>3</td>
</tr>
<tr>
<td>EVS 121 Gender and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>GGY 101 Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>MAT 114 Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PCS 141 Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHI 206 Environmental Ethics</td>
<td>3</td>
</tr>
<tr>
<td>POL 101 American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 203 American Civil Liberties</td>
<td>3</td>
</tr>
<tr>
<td>POL 207 Politics of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>SCI 120 Sustainable Energy: Theory and Practice</td>
<td>4</td>
</tr>
<tr>
<td>THE 108 Interactive Dramatics</td>
<td>3</td>
</tr>
<tr>
<td>Any language course coded ASL, FRE, SPA, LAT</td>
<td>2-10</td>
</tr>
<tr>
<td>Any EVS coded course not already taken</td>
<td>1-4</td>
</tr>
<tr>
<td>Any SCI coded course not already taken, except SCI 103 and SCI 117</td>
<td>1-4</td>
</tr>
<tr>
<td>Any course that meets the University of Massachusetts social and cultural diversity requirement, marked with an * in the GCC Catalog</td>
<td>2-3</td>
</tr>
</tbody>
</table>

See pages 38-40 for the specific requirements of the MassTransfer policy.
Recommended: ANT 104.
Recommended: ENG 219, ENG 228, ENG 235, ENG 247, or ENG 248.
Recommended: HIS 127, HIS 129, or HIS 131.
Academic Programs

Liberal Arts Option: Renewable Energy/Energy Efficiency (LRE)

**THE DEGREE**
Associate of Arts in Liberal Arts

**THE OPTION**
Provides students with the knowledge and skills needed for entry-level employment opportunities in the renewable energy/energy efficiency field; provides students already employed in the trades with knowledge and skills relevant to specific renewable energy/energy efficiency technologies, as well as broader understanding of the scientific, economic and political context of the industry; provides students with a general education background combined with a comprehensive introduction to renewable energy/energy efficiency and technical and general electives with course work geared toward transfer requirements for a four-year Baccalaureate program.

**YOUR NEXT STEP**
Take appropriate industry exams based on your course work. Find employment in the renewable energy/energy efficiency field, e.g. green building, energy auditing and/or solar. Continue academic studies in a four-year Baccalaureate program.

**OPTION ADVISOR**
Teresa Jones, Office: S414, (413) 775-1462, jones@gcc.mass.edu

---

**Total Credits: 60-63**

<table>
<thead>
<tr>
<th>Option Requirements</th>
<th>English Composition/Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

| Behavioral and Social Sciences |
| EVS 101 Environmental Studies: Issues in Sustainability | 3 |
| One of the following: ANT 103, ANT 104, ECO 101, ECO 102, POL 101, PSY 101, or SOC 101 | 3 |
| One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC | 3 |

| Humanities and Fine Arts |
| One 200-level course coded ENG | 3 |
| One course coded HIS | 3 |
| One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II | 3-4 |
| PCS 101, 121, 131, or 141 | 3 |

| Natural or Physical Science |
| BIO 120 Introduction to Environmental Science | 4 |
| SCI 120 Sustainable Energy: Theory and Practice | 4 |
| SCI 126 Residential Energy Efficiency and Energy Auditing | 3 |

| Mathematics/Quantitative Reasoning |
| Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106 | 3-4 |

| Additional Requirements |
| Any 3-credit course coded: ACC, BUS, CIS, or ECO | 3 |

| Option Electives |
| Any 12 credits of courses from the Science Electives list on next page | 12 |

| General Electives |
| Any 4 credits of courses coded: ACC, BIO, BUS, CHE, CIS, ECO, EGR, EVS, GEO, MAT, PHY, PSJ, or SCI, other than a developmental course (see page 28) and MAT 116 | 4 |

---

(Option Electives and Notes continued on next page)
Liberal Arts Option: Renewable Energy/Energy Efficiency (LRE)

Satisfies MassTransfer Block ①

(Continued from previous page)

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCI 110 Community Energy Solutions</td>
<td>1</td>
</tr>
<tr>
<td>SCI 112 Fundamentals of Electricity</td>
<td>3</td>
</tr>
<tr>
<td>SCI 114 Residential Construction Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>SCI 116 Introduction to Geothermal Heating and Cooling</td>
<td>1</td>
</tr>
<tr>
<td>SCI 118 Greenhouse Gas Assessment and Carbon Cap and Trade</td>
<td>1</td>
</tr>
<tr>
<td>SCI 119 Introduction to Global Warming</td>
<td>3</td>
</tr>
<tr>
<td>SCI 121 Introduction to Photovoltaic (Solar Electric) Technology</td>
<td>3</td>
</tr>
<tr>
<td>SCI 122 Solar Domestic Hot Water</td>
<td>1</td>
</tr>
<tr>
<td>SCI 123 Passive Solar Technology</td>
<td>1</td>
</tr>
<tr>
<td>SCI 124 Energy Conservation and Efficiency</td>
<td>1</td>
</tr>
<tr>
<td>SCI 125 Sustainable Landscape Design</td>
<td>3</td>
</tr>
<tr>
<td>SCI 127 Introduction to Sustainable Design and Green Building</td>
<td>3</td>
</tr>
<tr>
<td>SCI 128 Solar Thermal Systems</td>
<td>3</td>
</tr>
<tr>
<td>SCI 129 Fundamentals of Wind Energy</td>
<td>3</td>
</tr>
<tr>
<td>SCI 130 Extreme Insulation Retrofits</td>
<td>3</td>
</tr>
<tr>
<td>SCI 131 Introduction to Piping</td>
<td>2</td>
</tr>
<tr>
<td>SCI 132 Introduction to Heating, Ventilation and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>SCI 133 Introduction to Architectural Modeling with ArchiCAD</td>
<td>2</td>
</tr>
<tr>
<td>SCI 134 Building with Earth, Straw, Wood, and Stone</td>
<td>3</td>
</tr>
<tr>
<td>SCI 135 Green Career Exploration</td>
<td>1</td>
</tr>
<tr>
<td>SCI 137 Permaculture Design</td>
<td>4</td>
</tr>
<tr>
<td>SCI 221 Photovoltaic (Solar Electric) Installation</td>
<td>3</td>
</tr>
<tr>
<td>SCI 227 Sustainable Design and Green Building Practices</td>
<td>3</td>
</tr>
<tr>
<td>SCI 293 or 294 Internship in Science</td>
<td>1-6</td>
</tr>
</tbody>
</table>

Course requirements and electives to be chosen after consultation with faculty advisor and in consideration of the requirements of the transfer institution and student’s professional goals.

① See pages 38-40 for the specific requirements of the MassTransfer policy.
② Recommended: MAT 107.
③ Up to three credits of internships may be taken as a SCI elective and up to six credits as any additional elective in consultation with faculty advisor. No more than six credits of internships may count toward this degree.
④ MAT 105 and MAT 106 grant elective credit, which may not transfer to another institution. These courses do not satisfy requirements for college level mathematics at any institution.
**Academic Programs**

**Liberal Arts Option: Science-Math Education (LSM)  
Satisfies MassTransfer Block**

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Designed for students who plan to transfer to a Baccalaureate program in science or math with an eye towards gaining teaching certification.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td>OPTION ADVISOR</td>
<td>Mary Ellen Fydenkevez, Office: S411, (413) 775-1469, <a href="mailto:fydenkevez@gcc.mass.edu">fydenkevez@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Total Credits: 61-62**

**Option Requirements**

<table>
<thead>
<tr>
<th><strong>English Composition/Writing</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Behavioral and Social Sciences</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EVS 101 Environmental Studies: Issues in Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>One of the following: ANT 103, ANT 104, ECO 101, ECO 102, POL 101, PSY 101, or SOC 101</td>
<td>3</td>
</tr>
<tr>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Humanities and Fine Arts</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One 200-level course coded ENG</td>
<td>3</td>
</tr>
<tr>
<td>One course coded HIS</td>
<td>3</td>
</tr>
<tr>
<td>One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II</td>
<td>3-4</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Natural or Physical Science</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Any five 4-credit classes that include at least four different subject areas coded: BIO, CHE, GEO, MAT, PHY, SCI, and EGR 105</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Mathematics/Quantitative Reasoning</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One of the following: MAT 107, 108, 151, or 201</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Additional Requirements</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 205 Philosophy of Education</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>General Electives</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Any courses other than a developmental course (see page 28)</td>
<td>7-8</td>
</tr>
</tbody>
</table>

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Note: You will probably major in a particular math or science when you transfer to another school. We recommend that the electives be chosen from within the discipline in which you will ultimately major. Furthermore, students who will major in science when they transfer should strongly consider including chemistry and physics among their choices. Talk to your advisor for advice on the choices that best meet your academic goals.
# Liberal Arts Option: Social Sciences (LSS)

Satisfies MassTransfer Block

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Arts in Liberal Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE OPTION</td>
<td>Offers students an opportunity to explore the social sciences in depth. The option provides a focused concentration on the social sciences for students interested in psychology, sociology, environmental studies, political science, and anthropology within the framework of a traditional liberal arts education.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer to a Baccalaureate program in sociology, psychology, environmental studies, political science, or anthropology. Enter a career field based in the social sciences.</td>
</tr>
<tr>
<td>OPTION ADVISORS</td>
<td>Terry Boyce, Office: E121H, (413) 775-1123, <a href="mailto:boyce@gcc.mass.edu">boyce@gcc.mass.edu</a> Linda McCarthy, Office: E116C, (413) 775-1154, <a href="mailto:mccarthyl@gcc.mass.edu">mccarthyl@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

### Option Requirements

#### English Composition/Writing
- ENG 101, 103, or 105 English Composition I 3
- ENG 112, 114, or 116 English Composition II 3

#### Behavioral and Social Sciences
- Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101 6

#### Humanities and Fine Arts
- One 200-level course coded ENG 3
- One course coded HIS 3
- One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II 3-4
- PCS 101, 121, 131, or 141 3

#### Natural or Physical Science
- Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105 8

#### Mathematics/Quantitative Reasoning
- Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106 3-4

### Option Electives

- One 100-level course from the Social Science Electives list below 3
- Any five 200-level courses coded: ANT, POL, PSY, or SOC 15

### General Electives
- Any courses other than a developmental course (see page 28) 7-8

### 100-LEVEL SOCIAL SCIENCE ELECTIVES

| ANT 103 Introduction to Physical Anthropology | 3 |
| ANT 104 Cultural Anthropology: Tribes, States and the Global System | 3 |
| EVS 101 Environmental Studies: Issues in Sustainability | 3 |
| POL 101 American Politics | 3 |

| POL 105 International Politics | 3 |
| PSJ 101 Introduction to Peace Studies | 3 |
| PSY 101 Principles of Psychology | 3 |
| SOC 106 Social Inequality | 3 |

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. These courses will need to be selected while working with an academic advisor and will be determined by the student’s transfer field of interest or intended career choice. For example: If the student intends to transfer in psychology, they will need both PSY 210 and PSY 212.
3. Recommended: One course focused on Interdisciplinary approach, for example: PSJ 101, WST 115, HUM 153. Students may also want to consider a course in world languages.
Academic Programs

Liberal Arts Option: Theater (LAT)  

Satisfies MassTransfer Block

THE DEGREE  Associate of Arts in Liberal Arts

THE OPTION  Provides a strong basis in the performance and technical fields of dramatic arts. The curriculum is a blend of theory and concept with practical, hands-on experience in all fields. Classes focus on the skills of the actor, director, and technician, while also offering a wide range of study appropriate for non-majors pursuing a liberal arts education as well as majors preparing for a professional or education career.

YOUR NEXT STEP  Transfer to a Baccalaureate program.

OPTION ADVISOR  Kimberley Morin, Office: S325, (413) 775-1278, morin@gcc.mass.edu

Option Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Code</th>
<th>Required Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition/Writing</td>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Behavioral and Social Sciences</td>
<td>Any two courses from this list: ANT 103 or ANT 104, ECO 101 or ECO 102, EVS 101, POL 101, PSY 101, or SOC 101</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and Fine Arts</td>
<td>One 200-level course coded ENG</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One course coded HIS</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One course coded DAN other than DAN 102</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENG 221 Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the following: MUS 111 Chorus, 2 credits of MUS 130 Voice, or MUS 230 Voice</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>THE 101 Introduction to Theater</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THE 105 Play Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THE 106 Stage Craft</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THE 113 Fundamentals of Acting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THE 133 College Theater Workshop</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the following: THE 224 Directing Practice or THE 213 Advanced Acting</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
</tr>
<tr>
<td>Natural or Physical Science</td>
<td>Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics/Quantitative Reasoning</td>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
<td>3-4</td>
</tr>
<tr>
<td>Option Electives</td>
<td>Any three courses from the Theater Electives list below</td>
<td>9</td>
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</table>

<table>
<thead>
<tr>
<th>Theater Electives</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 108 Interactive Dramatics</td>
<td>3</td>
</tr>
<tr>
<td>THE 213 Advanced Acting</td>
<td>3</td>
</tr>
<tr>
<td>THE 214 Directing - Theory</td>
<td>3</td>
</tr>
<tr>
<td>THE 217 Experimental Performance</td>
<td>3</td>
</tr>
<tr>
<td>THE 223 Acting in Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>THE 224 Directing - Practice</td>
<td>3</td>
</tr>
<tr>
<td>THE 226 Stage Skills</td>
<td>3</td>
</tr>
<tr>
<td>THE 295 or 296 Directed Study in Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

See pages 38-40 for the specific requirements of the MassTransfer policy.

THE 133 required 3 out of 4 semesters.
Associate of Science Degrees

- Accounting (ACC)
- Art/Fine Art (AFA)\(^1\)
- Art/Fine Art MassTransfer Option (AFC)\(^1\)
- Art/Visual Arts (AVA)
- Art/Visual Arts MassTransfer Option (AVC)
- Computer Information Systems (CIS)
- Criminal Justice (CRJ)\(^2\)
- Criminal Justice MassTransfer Option (CJC)\(^2\)
- Early Childhood Education MassTransfer Option (ECE)\(^3\)
- Engineering Science (EGS)
- Fire Science Technology (FST)
- Management (MAN)
- Marketing (MKT)
- Nursing (NUR)\(^4\)
- Office Management (OMN)

Our career degree programs consist of specialized education, which may include studies in humanities, behavioral sciences, business, natural sciences, mathematics, and technology, in addition to studies in specific career fields. Career degree programs lead to the associate of science degree. We have designed these programs to prepare you for employment in a variety of career areas, as well as, in many cases, to enable you to transfer to Baccalaureate programs at other institutions. You should work closely with your academic advisor in selecting your courses. If you are considering transfer to another school, you should contact our Coordinator of Transfer Affairs as early as possible.\(^5\)

Most career programs require some elective coursework in liberal arts. In making your liberal arts course selections, use these guidelines and consult your academic advisor:

- You may satisfy a general elective\(^6\) by completing any credit course offered by the college, except developmental courses\(^7\).
- You may satisfy a liberal arts elective\(^6\) by completing any course on the list of Liberal Arts Electives on pages 50-51.

Note: Total credits for a program indicate the minimum credits required to complete the program. Depending on your course selection, you may earn more than the minimum credits to complete a program.

---

\(^1\) This program is undergoing review and is not currently accepting new students.
\(^2\) Police Career Incentive Pay Program (PCIPP) or Quinn Bill approved by the Massachusetts Board of Higher Education.
\(^3\) Accredited by the National Association for the Education of Young Children.
\(^4\) Accredited by the National League for Nursing Accrediting Commission.
\(^5\) To learn more about transfer requirements, see pages 38-40.
\(^6\) Please note: Some electives in career programs are footnoted and specific courses are suggested.
\(^7\) Developmental courses may not be used to fulfill associate degree requirements. Refer to page 28 for more information.
## Academic Programs

### Accounting (ACC)

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Prepares you for work at the paraprofessional level in industry, retail, and wholesale enterprises, or public accounting offices.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Work in such entry-level positions as accounts payable clerk, junior accountant in a public accounting firm, or full-charge bookkeeper in a service firm.</td>
</tr>
<tr>
<td>PROGRAM COORDINATOR</td>
<td>Thomas Fredrick, Office: E132J, (413) 775-1493, <a href="mailto:fredrickt@gcc.mass.edu">fredrickt@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 121</td>
<td>Principles of Financial Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>ACC 122</td>
<td>Principles of Financial Accounting II</td>
<td>4</td>
</tr>
<tr>
<td>ACC 203</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 207</td>
<td>Financial Accounting Systems and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>ACC 208</td>
<td>Introduction to Federal Income Taxes</td>
<td>3</td>
</tr>
<tr>
<td>ACC 210</td>
<td>Introduction to Computerized Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 105</td>
<td>Personal Financial Literacy</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111</td>
<td>The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 123</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS 155</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 140</td>
<td>Microcomputer Software Tools I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 145</td>
<td>Relational Database Design and Application</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Electives</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>One 3-credit course coded: ACC, BUS, CIS, ECO, or MOM</td>
<td>3</td>
</tr>
<tr>
<td>Any 12 credits of courses from the list of Liberal Arts Electives on pages 50-51</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Credits: 65
## Art/Visual Arts (AVA)

### THE DEGREE
Associate of Science

### THE PROGRAM
Focuses on the development of critical, philosophical, visual, and technical skills in the visual arts. Students select a concentration in either Photography, Video, Computer Arts, or Painting & Drawing. The program includes foundation experiences in diverse media and required courses in liberal arts and art history.

### YOUR NEXT STEP
Transfer to a four-year art college or professional institution or seek entry-level employment. Your career may include work in photography, video, web site design, 3D computer graphics, fine arts, commercial art, art education, museum curatorship, arts administration or illustration.

### PROGRAM COORDINATOR
Paul Lindale, Office: S217, (413) 775-1241, lindale@gcc.mass.edu

### Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACS 200</td>
<td>Professional Art Practices</td>
<td>3</td>
</tr>
<tr>
<td>AHS 101</td>
<td>Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>AHS 102</td>
<td>Art History Survey II</td>
<td>3</td>
</tr>
<tr>
<td>ART 121</td>
<td>Visual Concepts I</td>
<td>3</td>
</tr>
<tr>
<td>ART 123</td>
<td>Visual Concepts II</td>
<td>3</td>
</tr>
<tr>
<td>ART 131</td>
<td>Drawing Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 151</td>
<td>Photography Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 155</td>
<td>Video Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 161</td>
<td>Computer Arts Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 224</td>
<td>Visual Concepts III</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete all four courses in one concentration requirement:

#### Photography Concentration
- ART 152 Film and the Darkroom
- ART 251 Intermediate Photography
- ART 273 Image and Text
- ART 290 Projects in Media

#### Computer Arts Concentration
- ART 263 Web Site Design
- ART 268 3D Computer Graphics
- ART 269 3D Animation
- ART 290 Projects in Media

#### Video Concentration
- ART 255 Video Art
- ART 256 Video Portfolio
- ART 273 Image and Text
- ART 290 Projects in Media

#### Painting & Drawing Concentration
- ART 132 Drawing II
- ART 235 Figure Drawing
- ART 241 Painting
- ART 242 Painting & Drawing I

#### ENG 101, 103, or 105 English Composition I
3

#### ENG 112, 114, or 116 English Composition II
3

One 3-credit course coded: ANT, ECO, EVS, HSV, POL, PSY, PSJ, or SOC
3

One 3- or 4-credit course coded: AHS, ASL, BIO, CHE, DAN, EGR, ENG, FLC, FRE, GGY, GEO, HIS, HUM, LAT, MAT 100 or higher, MUS, PCS, PHI, PHY, SCI, SPA, or THE, other than a developmental course (see page 28). English Composition I and English Composition II
3–4

### Program Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Any two additional courses coded ART</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Any additional course coded AHS</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any 3- or 4-credit course from the list of Liberal Arts Electives on pages 50-51 other than those coded ART</td>
<td>3–4</td>
</tr>
</tbody>
</table>

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

Courses coded ART and which have ART prerequisites are graded credit/no-credit.
Academic Programs

Art/Visual Arts (AVC)

Satisfies MassTransfer Block

THE DEGREE
Associate of Science

THE PROGRAM
Focuses on the development of critical, philosophical, visual, and technical skills in the visual arts. Students select a concentration in either Photography, Video, Computer Arts, or Painting & Drawing. The program includes foundation experiences in diverse media and required courses in liberal arts and art history. This version of the Visual Arts program is designed to meet the specific requirements of the MassTransfer policy within the context of the GCC Visual Arts program.

YOUR NEXT STEP
Transfer to a four-year art college or professional institution or seek entry-level employment. Your career may include work in photography, video, web site design, 3D computer graphics, fine arts, commercial art, art education, museum curatorship, arts administration, or illustration.

PROGRAM COORDINATOR
Paul Lindale, Office: S217, (413) 775-1241, lindale@gcc.mass.edu

Total Credits: 74-75

Program Requirements
AH S 101 Art History Survey I 3
AH S 102 Art History Survey II 3
AH S 107 History of Modern Art 3
ART 121 Visual Concepts I 3
ART 123 Visual Concepts II 3
ART 131 Drawing Foundation 3
ART 132 Drawing II 3
ART 151 Photography Foundation 3
ART 155 Video Foundation 3
ART 161 Computer Arts Foundation 3
ART 224 Visual Concepts III 3
Select a concentration and complete the concentration requirements:

Photography Concentration
ART 152 Film and the Darkroom 3
ART 251 Intermediate Photography 3
ART 273 Image and Text 3
ART 290 Projects in Media 3

Video Concentration
ART 255 Video Art 3
ART 256 Video Portfolio 3
ART 273 Image and Text 3
ART 290 Projects in Media 3

Computer Arts Concentration
ART 263 Web Site Design 3
ART 268 3D Computer Graphics 3
ART 269 3D Animation 3
ART 290 Projects in Media 3

Painting & Drawing Concentration
ART 235 Figure Drawing 3
ART 241 Painting 3
ART 242 Painting & Drawing I 3
either ART 243 Painting and Drawing II or ART 236 Figure Drawing II-A 3

ENG 101, 103, or 105 English Composition I 3
ENG 112, 114, or 116 English Composition II 3
Any three 3-credit courses coded: ANT, ECO, EVS, HSV, POL, PSY, PSJ, or SOC 9
Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106 3-4
Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105 8

Program Electives
Any additional course coded ART 3

Note: Courses coded ART and which have ART prerequisites are graded credit/no-credit

See pages 38-40 for the specific requirements of the MassTransfer policy; admission to UMass Art programs is subject to portfolio review. UMass will accept up to 75 credits in transfer.
Computer Information Systems (CIS)

THE DEGREE
Associate of Science

THE PROGRAM
For students interested in applying knowledge of microcomputer operating systems, software, and networks to business needs. The program teaches the use of current application packages in databases, spreadsheets, word processing, and website design and administration, single-user and network operating systems, network administration and design, and database development and programming. A foundation of business courses is included.

YOUR NEXT STEP
Employment as the microcomputer specialist, consultant, or technical support person in a variety of business settings, or transfer to a four-year program.

PROGRAM CONTACT
Doug Wilkins, Office: E132P, (413) 775-1480, wilkins@gcc.mass.edu

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 111 The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 116 E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 122, BUS 123, BUS 155, or any 200-level course coded ACC or BUS</td>
<td>3-4</td>
</tr>
<tr>
<td>CIS 140 Microcomputer Software Tools I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141 Microcomputer Software Tools II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 145 Relational Database Design and Application</td>
<td>3</td>
</tr>
<tr>
<td>CIS 150 Programming Principles and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CIS 151 Web Site Development</td>
<td>3</td>
</tr>
<tr>
<td>CIS 180 Network Workstation Administration</td>
<td>3</td>
</tr>
<tr>
<td>ECO 101 Principles of Macroeconomics or ECO 102 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101 Principles of Psychology or SOC 101 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106 ¹</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Program Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any 200-level CIS courses</td>
<td>9</td>
</tr>
<tr>
<td>Any 6 credits of courses from the list of Liberal Arts Electives on pages 50-51 ²</td>
<td>6</td>
</tr>
</tbody>
</table>

¹ CIS majors must pass or place out of MAT 106 to take CIS 150, so MAT 107 is strongly recommended.
² Recommended: ART 161 and ART 264.
# Criminal Justice (CRJ)

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides a broad education in the administration, operations and objectives of the criminal justice system and its component parts: police, courts, and corrections.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Transfer into a Baccalaureate program or enter into any of several careers within the criminal justice system, including police work, correctional work, the law, or social work.</td>
</tr>
<tr>
<td>PROGRAM COORDINATOR</td>
<td>Walter Nieliwocki, Office: E132L, (413) 775-1136, <a href="mailto:nieliwocki@gcc.mass.edu">nieliwocki@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

### Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 101</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 103</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 105</td>
<td>Police Process</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 107</td>
<td>Adjudication Process</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 109</td>
<td>Corrections Process</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 121</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>POL 101</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Any 9 credits of courses coded: AHS, ART, ASL, BIO, CHE, DAN, EGR 105, ENG, FLK, FRE, GGY, GEO, HIS, HUM, LAT, MAT, MUS, PCS, PHI, PHY, SCI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II ➀

### Program Electives

Any two courses from the Criminal Justice Electives list below ➀

### General Electives

Any courses other than a developmental course (see page 28) ➀

### CRIMINAL JUSTICE ELECTIVES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 113</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 131</td>
<td>Social Issues in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 203</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 209</td>
<td>Community Policing in the 21st Century</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 215</td>
<td>Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 219</td>
<td>Constitutional Criminal Procedure</td>
<td>3</td>
</tr>
</tbody>
</table>

PLEASE NOTE: Only credit from regionally accredited institutions of higher education is accepted for transfer into an undergraduate Criminal Justice Program, and not all credit is necessarily accepted. There are requirements for transfer credit which may be stricter than those for the college generally. The Criminal Justice Program does not award credit for life experience, military, police academy or related training. No more than 10 percent of an Associate’s Degree can be completed through knowledge-based examinations (e.g., CLEP, Dantes). Please contact the Program Coordinator with any questions or concerns.

The associate’s degree program in Criminal Justice is Police Career Incentive Pay Program (PCIPP) or Quinn Bill approved by the Massachusetts Board of Higher Education.

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.

➀ Students who wish to take advantage of MassTransfer, refer to page 87.
# Criminal Justice (CJC)

**THE DEGREE**
Associate of Science

**THE PROGRAM**
Provides a broad education in the administration, operations and objectives of the criminal justice system and its component parts: police, courts, and corrections. The CJC major is designed for students who wish to transfer to a Baccalaureate program within the Massachusetts public education system.

**YOUR NEXT STEP**
Transfer into a Baccalaureate program or enter into any of several careers within the criminal justice system, including police work, correctional work, the law, or social work.

**PROGRAM COORDINATOR**
Walter Nieliwocki, Office: E132L, (413) 775-1136, nieliwocki@gcc.mass.edu

## Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 101</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 103</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 105</td>
<td>Police Process</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 107</td>
<td>Adjudication Process</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 109</td>
<td>Corrections Process</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 121</td>
<td>Criminology</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>POL 101</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 201</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td>Other courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
<td>3-4</td>
</tr>
<tr>
<td>Any two 4-credit courses coded: BIO, CHE, GEO, PHY, SCI or EGR 105</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Any 9 credits of courses coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

## Program Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 113</td>
<td>Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 131</td>
<td>Social Issues in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 203</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 209</td>
<td>Community Policing in the 21st Century</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 215</td>
<td>Field Experience</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 219</td>
<td>Constitutional Criminal Procedure</td>
<td>3</td>
</tr>
</tbody>
</table>

**CRIMINAL JUSTICE ELECTIVES**

- CRJ 113 Juvenile Justice
- CRJ 131 Social Issues in Criminal Justice
- CRJ 203 Criminal Investigation
- CRJ 209 Community Policing in the 21st Century
- CRJ 215 Field Experience
- CRJ 219 Constitutional Criminal Procedure

**PLEASE NOTE:** Colleges accept for transfer into an undergraduate Criminal Justice Program only credit earned at regionally accredited institutions of higher education. Requirements for transfer credit may be stricter than those for the college generally. Colleges may transfer some Criminal Justice credits as electives and not apply them to the requirements of the major. The Criminal Justice Program does not award credit for life experience, military, police academy or related training. No more than 10 percent of the degree requirements may be completed through knowledge-based examinations (e.g., CLEP, Dantes). Please contact the Program Coordinator with any questions or concerns.

The associate's degree program in Criminal Justice is Police Career Incentive Pay Program (PCIPP) or Quinn Bill approved by the Massachusetts Board of Higher Education.

1. See pages 38-40 for the specific requirements of the MassTransfer policy.
2. Math course to be chosen after consultation with faculty advisor and in consideration of the requirements of the transfer institution.
# Early Childhood Education (ECE)

**Academic Programs**

**THE DEGREE**  
Associate of Science

**THE PROGRAM**  
Provides a strong background in early childhood education and liberal arts. The curriculum integrates coursework with direct experience in a variety of early childhood settings.

**YOUR NEXT STEP**  
Work as a professional with Lead Teacher Certification from the Department of Early Education and Care in various early childhood settings or transfer to a Baccalaureate program as preparation to teach in preschools and elementary schools.

**PROGRAM COORDINATOR**  
Kate Finnegan, Office: E118A, (413) 775-1125, finnegan@gcc.mass.edu

---

**Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 101</td>
<td>Introduction to Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 103</td>
<td>Creative Experiences in Art, Music, and Drama</td>
<td>3</td>
</tr>
<tr>
<td>EDU 112</td>
<td>Early Childhood Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 201</td>
<td>Early Childhood Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDU 215</td>
<td>Student Teaching I</td>
<td>6</td>
</tr>
<tr>
<td>EDU 216</td>
<td>Student Teaching II</td>
<td>6</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Any 200 level course except ENG 207 and ENG 208</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 241</td>
<td>Survey of Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>HIS 101, 102, 105, or 106</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 233</td>
<td>Child Behavior and Development</td>
<td>3</td>
</tr>
<tr>
<td>One of the following: ANT 104, ECO 101, ECO 102, POL 101, or any course coded SOC</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAT 116</td>
<td>Mathematics for Early Childhood and Elementary Educators</td>
<td>4</td>
</tr>
<tr>
<td>One 4-credit course coded BIO</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>One 4-credit course coded: CHE, GEO, PHY, SCI, or EGR 105</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Program Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>One 3-credit course from the list of Liberal Arts Electives on pages 50-51</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

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Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7.

Placement in a teaching site for EDU 215 and EDU 216 is not guaranteed and depends upon agreement among the teaching site, the EDU faculty, and the student. Some students prefer to complete the program over a longer period of time.

The associate's degree program in Early Childhood Education is accredited by the National Association for the Education of Young Children.

① See pages 38-40 for the specific requirements of the MassTransfer policy.

② Consult with Education Faculty
Engineering Science (EGS)

THE DEGREE
Associate of Science

THE PROGRAM
Provides a base of mathematics, science, and engineering fundamentals common to the first two years of a Baccalaureate engineering program. Engineering electives provide special courses to suit your particular interest in any sub-discipline of engineering including civil/environmental, electrical/computer, mechanical/industrial, or chemical engineering. Greenfield Community College participates in the College of Engineering Consortium Agreement with University of Massachusetts/Amherst.

YOUR NEXT STEP
Transfer to a Baccalaureate program as an engineering major. GCC graduates have successfully transferred to University of Massachusetts, Northeastern University, Rensselaer Polytechnic Institute, Western New England University, and Worcester Polytechnic University.

PROGRAM COORDINATOR
Ted Johnson, Office: S324, (413) 775-1429, johnsont@gcc.mass.edu

Total Credits: 65-78

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 140, 150, 251, or 252</td>
<td>One of the following</td>
<td>3</td>
</tr>
<tr>
<td>ECO 101 Principles of Macroeconomics or ECO 102 Principles of Microeconomics</td>
<td>One of the following</td>
<td>3</td>
</tr>
<tr>
<td>EGR 105 Introduction to Engineering, Science, Technology, and Society</td>
<td>EGR 107 Engineering Graphics</td>
<td>3-4</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 201 Calculus with Analytic Geometry I</td>
<td>MAT 202 Calculus with Analytic Geometry II</td>
<td>3-4</td>
</tr>
<tr>
<td>MAT 203 Multivariate Calculus</td>
<td>MAT 204 Elementary Differential Equations or MAT 205 Elementary Linear Algebra</td>
<td>3-4</td>
</tr>
<tr>
<td>PHY 111 General Physics I with Calculus</td>
<td>PHY 112 General Physics II with Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Program Electives

Any 6 credits of courses coded: AHS, ANT, ART, ASL, DAN, ECO, ENG, EVS, FLK, FRE, GGY, HIS, HSV, HUM, LAT, MUS, PCS, PHI, POL, PSY, PSJ, SOC, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II | 6 |

At least 21 credits of courses from the list of concentration electives on the next page | 21-28 |

Note: Courses shown with 3-4 credits refer to transfer credits, which vary depending on the transfer institution.

1 Students must meet with the Engineering program coordinator or an engineering academic advisor to select courses for their specific situation.

Some Concentration Electives will be taken at UMASS through our consortium agreement; or at another engineering college (strongly recommended that transfer credit receive prior approval of the transfer credit evaluator and engineering advisor).

(Additional Program Electives and Notes continued on next page)
Students, with help from their Engineering academic advisor or the Engineering Coordinator, must select their specific concentration electives. The selection should be based on the student’s expected engineering major (chemical, civil, environmental, electrical, computer, industrial, or mechanical engineering) and on the requirements of the transfer Baccalaureate institution. In most instances, the GCC courses will be accepted at the transferring institution. Courses from this list not accepted by the transferring institution will nevertheless provide valuable background knowledge to prepare students for similar courses at the Baccalaureate institution.

**EXAMPLE LIST OF POSSIBLE CONCENTRATION ELECTIVES:**

For Electrical and Computer Engineering these could include: Circuits I, Circuits II, Data Structures and Algorithms, Hardware Org, and Design, Digital Logic, Advanced Computer Programming, Biology, etc.

For Mechanical Engineering these could include: Statics, Strength of Materials, Material Science, Thermodynamics, Material Design, Chemistry, etc.

For Civil and Environmental Engineering these could include: Statics, Strength of Materials, Material Science, Thermodynamics, Probability and Statistics in Civil Engineering, Civil Engineering Analysis, Chemistry, etc.

For Chemical Engineering these could include: Chemistry I and II, Organic Chemistry I, Organic Chemistry II, Thermodynamics, Biology, etc.

For Industrial Engineering these could include: Advanced Computer Programming Languages, Statics, Probability & Statistics, Material Science, Strength of Materials, Chemistry, etc.

Students must meet with the Engineering program coordinator or an engineering academic advisor to select courses for their specific situation. Some Concentration Electives will be taken at UMass through our consortium agreement; or at another engineering college (strongly recommended that transfer credit receive prior approval of the transfer credit evaluator and engineering advisor).
Fire Science Technology (FST)

**THE DEGREE**
Associate of Science

**THE PROGRAM**
Provides academic enhancement to the physical and technical training fire fighters receive at State and National Fire Academies in the areas of fire protection, fire prevention, hazardous materials, and department and fire scene organizational management.

**YOUR NEXT STEP**
Begin or enhance your career in municipal fire protection, insurance and building inspection, fire protection work with private firms, or transfer to a Baccalaureate program with major emphasis on fire department management or fire science education.

**PROGRAM DIRECTOR**
Dawn Josefski, Office: E120A, (413) 775-1761, josefski@gcc.mass.edu

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>One of the following: CHE 105 Basic Principles of Chemistry or CHE 111 General Chemistry I</td>
<td>3-4</td>
</tr>
<tr>
<td>One of the Following: CIS 140 Microcomputer Software Tools I or a 3-credit CIS course approved by the Fire Science Program Coordinator</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>FST 101 Introduction to Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FST 109 Hazardous Materials I</td>
<td>3</td>
</tr>
<tr>
<td>FST 111 Building Construction</td>
<td>3</td>
</tr>
<tr>
<td>FST 113 Fire Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>FST 125 Fire Prevention, Codes and Ordinances</td>
<td>4</td>
</tr>
<tr>
<td>FST 201 Fire Protection Systems and Equipment I</td>
<td>3</td>
</tr>
<tr>
<td>Any course coded MAT other than a developmental course (see page 28), MAT 105, and MAT 106</td>
<td>3-4</td>
</tr>
<tr>
<td>PSY 101 Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td>3</td>
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</tbody>
</table>

**Program Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>One 3- or 4-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II</td>
<td>3-4</td>
</tr>
<tr>
<td>Any 15 credits of additional courses not used to satisfy other requirements chosen from: FST classes; up to 10 credits of EMS classes; and/or SPA 163 (Spanish for Fire Fighters)</td>
<td>15</td>
</tr>
</tbody>
</table>

**Total Credits:** 61-63
Management (MAN)

THE DEGREE: Associate of Science
THE PROGRAM: Provides occupational and some transfer possibilities. You will be required to take a core of management courses, as well as liberal arts courses and electives that will allow you to transfer or enter the workplace. You may choose either a general management concentration or a total quality management concentration.

YOUR NEXT STEP: Work in entry-level management positions in business and public organizations or transfer to a Baccalaureate program in business administration.

PROGRAM CONTACT: Jeffrey Galbraith, Office: E132M, (413) 775-1483, galbraith@gcc.mass.edu

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 121</td>
<td>Principles of Financial Accounting I</td>
<td>3-4</td>
</tr>
<tr>
<td>ACC 151</td>
<td>Concepts of Financial Accounting I</td>
<td>3-4</td>
</tr>
<tr>
<td>ACC 122</td>
<td>Principles of Financial Accounting II</td>
<td>3-4</td>
</tr>
<tr>
<td>ACC 152</td>
<td>Concepts of Financial Accounting II</td>
<td>3-4</td>
</tr>
<tr>
<td>ACC 203</td>
<td>Management Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 105</td>
<td>Personal Financial Literacy</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111</td>
<td>The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 123</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS 155</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 203</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 209</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 140</td>
<td>Microcomputer Software Tools I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
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</table>

Program Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 116</td>
<td>E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Entrepreneurship Seminar</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Any two 3-credit courses coded: ACC, BUS, CIS, or ECO (For the Entrepreneurial Option, complete 4-6 of the credits from courses in the list below) 6

Any 6 credits of courses from the list of Liberal Arts Electives on pages 50-51 6

General Electives

Any course other than a developmental course (see page 28) 3

ENTREPRENEURIAL OPTION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 116</td>
<td>E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Entrepreneurship Seminar</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Total Credits: 63 or 65

Note: MAT 105 and MAT 106 grant elective credit at GCC, but they may not transfer to another institution.
Marketing (MKT)

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides the necessary coursework for transfer to some Baccalaureate programs in marketing and business while preparing students to assume contemporary, marketing-related responsibilities in small and large businesses. The program has a core of business and marketing-related courses which are combined with liberal arts courses emphasizing math, digital media, and behavioral sciences.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Work in entry-level management positions in small and large businesses, or transfer to a Baccalaureate program in marketing or business.</td>
</tr>
</tbody>
</table>

PROGRAM COORDINATOR: Kathleen Vranos, Office: E132K, (413) 775-1471, vranosk@gcc.mass.edu

Total Credits: 61

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 151</td>
<td>Concepts of Financial Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 152</td>
<td>Concepts of Financial Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ART 161</td>
<td>Computer Arts Foundation</td>
<td>3</td>
</tr>
<tr>
<td>BUS 105</td>
<td>Personal Financial Literacy</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111</td>
<td>The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 116</td>
<td>E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 125</td>
<td>Principles of Advertising</td>
<td>3</td>
</tr>
<tr>
<td>BUS 155</td>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 209</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 140</td>
<td>Microcomputer Software Tools I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Microcomputer Software Tools II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 145</td>
<td>Relational Database Design and Application</td>
<td>3</td>
</tr>
<tr>
<td>CIS 151</td>
<td>Web Site Development</td>
<td>3</td>
</tr>
<tr>
<td>ECO 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 102</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 114</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Electives

One 3-credit course coded: AHS, ART, BUS, CIS, ECO, PCS; ANT 104, or SOC 101
Academic Programs

Nursing (NUR)

**THE DEGREE** Associate of Science

**THE PROGRAM** Prepares you for a career as a nurse, providing patient care for adults and children in varied health care settings. You will be required to take a combination of liberal arts and clinical nursing courses in sequence over four semesters. Some students prefer to complete the program over a longer period of time.

**YOUR NEXT STEP** Take the R.N. licensure examination, and enter the R.N. work force, and/or continue your education part-time or full-time at a Baccalaureate degree institution. We have articulation agreements with Elms College, Fitchburg State University, Framingham State University, Sage Colleges, UMass/Amherst, University of New Hampshire, Keene State, and University of Vermont.

**PROGRAM CONTACT** Cheri Ducharme, M.S.N, Office: E121F, (413) 775-1759, ducharme@gcc.mass.edu or Office: E130B, (413) 775-1751

**Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Lecture hours per week</th>
<th>Clinical and Lab hours per week</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 195</td>
<td>Human Anatomy and Physiology I</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>BIO 196</td>
<td>Human Anatomy and Physiology II</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>BIO 205</td>
<td>Microbiology</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>4</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116</td>
<td>English Composition II</td>
<td>4</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>NUR 101</td>
<td>Fundamentals of Nursing</td>
<td>4</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>NUR 106</td>
<td>Pediatric Nursing</td>
<td>4</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>NUR 108</td>
<td>Obstetric Nursing</td>
<td>4</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>NUR 201</td>
<td>Medical-Surgical Nursing I</td>
<td>4</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>NUR 202</td>
<td>Medical-Surgical Nursing II</td>
<td>4</td>
<td>16</td>
<td>9</td>
</tr>
<tr>
<td>NUR 203</td>
<td>Mental Health Nursing</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>NUR 204</td>
<td>Trends and Issues in Nursing</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSY 217</td>
<td>Human Growth and Development</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Principles of Sociology</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Electives**

One 3-credit course coded: AHS, ART, ASL, DAN, ENG, FLK, FRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE, other than a developmental course (see page 28), English Composition I and English Composition II or English Composition II.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

(Additional Program Notes continued on next page)

1. C+ or better required
2. C or better required
3. 5 year currency or exam required
4. LPN advanced placement
5. 3 hours/credit hour for clinical; 2 hours/credit hour for labs
6. C+ or better required to advance to next course
7. CR required to advance to next course

Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7.

(Additional Program Notes continued on next page)
The Associate Degree Nursing Program is approved by the Massachusetts Board of Registration in Nursing and is accredited by the National League for Nursing Accrediting Commission, 3343 Peachtree Road NE, Atlanta, GA 30326, (404) 975-5000. The highly-regarded Associate Degree program offers personal support and a wide range of challenging clinical learning opportunities in the Springfield, Holyoke, Northampton, Greenfield and Brattleboro areas.

ADMISSION PROCESS - Nursing requires a special admission process. Students who have met all admission requirements may submit applications between September 4, 2012 and February 19, 2013. Applicants who are selected from the pool will be notified by the end of April. Any applicant not selected will be required to reapply if seeking admission for the subsequent year; Informational meetings are held to describe the details of the A.D.N. program. Dates and locations for the meetings are available in semester course guides, from the office of Admission or the Nursing Department office (413) 775-1622.

ACADEMIC ADMISSION REQUIREMENTS FOR THIS PROGRAM - High school diploma or GED certificate required. Must place into ENG 101, 103, or 105 in placement assessment or successfully complete ENG 090 and ENG 094 (COL 090) with a "C" or better. Must place out of MAT 105 (095) in placement assessment* or successfully complete MAT 105 (095) within five (5) years. Ten credits from the list of required non-nursing courses listed on the previous page, (including at least one of the BIO courses.)

Please note the prerequisite requirements for BIO 195. Effective Fall 2009: BIO126 or a college level equivalent or high school or college chemistry within the past ten years, or placement by currency exam, or CHE 105 or CHE 111 concurrently; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores. Effective Fall 2010: College Biology within the past ten years or BIO 126; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

LEGAL REQUIREMENTS - Applicants need to know that individuals with a record of conviction by a Court of Law will be required to provide a complete explanation to the Board of Registration in Nursing in order to be permitted to take the licensing examination (NCLEX) after graduation. Some of the clinical facilities require that students meet the requirements of a CORI (Criminal Offenders Record Information) check every six months and may require a drug test screening. Students who fail to meet the requirements of GCC clinical affiliates will not be able to continue in the program.

EXTRA COSTS - Nursing students are required to purchase uniforms, lab equipment, malpractice insurance and standardized tests. In addition, there are fees for maintaining CPR certification, immunizations, health insurance, a required physical and nursing graduation related expenses (i.e., licensure application, NCLEX-RN exams, review course). Students are responsible for their own transportation between campus and clinical facilities.

EDUCATIONAL MOBILITY OPPORTUNITIES FOR LPNS - Licensed Practical nurses who have graduated from GCC’s Program with a B average or better; who apply to GCC’s Associate Degree Nursing program within five years of graduation can be accepted into the second year of GCC’s ADN Program on a space-available basis. All other LPNs are encouraged to apply for advanced placement into the second semester or the third semester of the ADN Program. LPNs entering the second semester of the program must have successfully completed English Comp. I, PSY 101, BIO 194 or BIO 195, the Excelsior College Fundamentals of Nursing, Associate Degree level Examination and NUR 111. LPNs who earn entrance into the third semester must have also successfully completed SOC 101, PSY 217, BIO 196, Excelsior College Maternal and Child Nursing, Baccalaureate Degree Examination and NUR 112 (in the place of NUR 111). For testing applications and study guides go to: www.excelsioredu.

Transfer students can be accommodated but must complete, at a minimum, the entire second year of nursing requirements.

* Applicants may also complete the MAT 105 admission requirement by receiving an algebra placement test score of 61 or higher and an arithmetic placement test score of 67 or higher.
Academic Programs

Office Management (OMN)

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Develops skills needed to manage a wide variety of office settings. You may choose electives to develop a curriculum that meets your career goals, including office management in health service organizations, not-for-profit institutions, and small or medium business enterprises.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Manage an office in a small to medium size organization.</td>
</tr>
<tr>
<td>PROGRAM COORDINATOR</td>
<td>Kathleen Vranos, Office: E132K, (413) 775-1471, <a href="mailto:vranosk@gcc.mass.edu">vranosk@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 121</td>
<td>Principles of Financial Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>ACC 122</td>
<td>Principles of Financial Accounting II</td>
<td>4</td>
</tr>
<tr>
<td>BUS 105</td>
<td>Personal Financial Literacy</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111</td>
<td>The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 123</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>One of the following: BUS 203 Human Resources Management or BUS 205 Principles of Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS 140</td>
<td>Microcomputer Software Tools I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Microcomputer Software Tools II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 145</td>
<td>Relational Database Design and Application</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>One course coded PCS</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Program Electives

- Any 12 credits of courses coded: ACC, BUS, CIS, ECO or MOM, other than a developmental course (see page 28) •

MEDICAL OFFICE MANAGEMENT OPTION

- Students take the following courses in fulfillment of both the Program and Liberal Arts Electives above:
  - MOM 110 Introduction to Medical Terminology
  - MOM 120 Introduction to Medical Coding
  - MOM 210 Medical Billing and Insurance
  - MOM 215 Health Information Systems
  - MOM 230 Health Insurance Management
  - Liberal Arts Credits: Any 6 credits coded: ASL, ECO, FRE, HFW, HSC, HSV, PSY, SOC, SPA, WST
  - Program Electives: Any 3 credits coded: ACC, ASL, BUS, CIS, ECO, ESL, FRE, HFW, HSC, HSV, LED, PSY, SOC, SPA, WST

Total Credits: 62
Certificate Programs

- Digital Media (DME)
- Early Childhood Education (LEC)¹
- Entrepreneurship (ENT)
- Environmental Science (NRC)
- Human Services (HSV)
- Office Assistant (OFF)²
- Outdoor Leadership (OLP)³ ⁴
- Paramedic (PMC) ⁴
- Practical Nursing-LPN, (PNC)² ⁵
- Real Estate (RST)
- Renewable Energy/Energy Efficiency (REE)
- Web Development and Design (WDD)

Certificate programs consist of specialized education in specific career fields, without the general education coursework required for a degree. We have designed our programs to prepare you for early employment and/or to improve your specific job skills. You must complete at least 15 credits or two-thirds of the credit hours required for a certificate program (whichever is less) at GCC.

In most cases, the courses required to complete a certificate program may be used to fulfill requirements for an associate degree in the same field. If you complete the requirements for both the certificate and the degree simultaneously, you will receive only the associate degree.

Due to the sequence in which the certificate course requirements are offered, completion of these certificate programs within the normal time frame is not always possible if a student begins required coursework in January.

Note: Total credits for a program indicate the minimum credits required to complete the program. Depending on your course selection, you may earn more than the minimum credits to complete a program.

Developmental courses may not be used to fulfill certificate requirements. Refer to page 28 for more information.

¹ Program not eligible for federal or state financial assistance.
² Certificate programs approved by the Massachusetts Department of Higher Education.
³ Accredited by the Association for Experiential Education.
⁴ Accredited by the Commonwealth of Massachusetts’ Office for Emergency Medical Services (OEMS).
⁵ Approved by the Massachusetts Board of Registration for Nursing.
Academic Programs

Digital Media (DME)

THE CERTIFICATE
Digital Media

THE PROGRAM
The Digital Media Certificate is a 27-credit program offered through the Art Department. The program is designed to provide students with a strong foundation in design principles and working with contemporary digital media. Students explore the visual, critical, and practical aspects of digital media as currently employed in the development of web sites, photography, video, and 3D computer applications. Course work produced by students may contribute towards the creation of a digital art portfolio. For most students the program requires a minimum of three semesters to complete.

YOUR NEXT STEP
Seek internships or entry-level employment in a field related to this course of study; continue your education at GCC in the Art/Visual Arts degree program and continue to develop a portfolio of work.

PROGRAM COORDINATOR
Paul Lindale, Office: S217, (413) 775-1241, lindale@gcc.mass.edu

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 121 Visual Concepts I</td>
<td>3</td>
</tr>
<tr>
<td>ART 123 Visual Concepts II</td>
<td>3</td>
</tr>
<tr>
<td>ART 151 Photography Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 155 Video Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 161 Computer Arts Foundation</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Electives
Four courses from the Program Elective List below

<table>
<thead>
<tr>
<th>PROGRAM ELECTIVES</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 173 Digital Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 251 Intermediate Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 252 Intermediate Photography II</td>
<td>3</td>
</tr>
<tr>
<td>ART 255 Video Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 256 Video Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>ART 261 Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 263 Web Site Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 268 3D Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ART 269 3D Animation</td>
<td>3</td>
</tr>
<tr>
<td>ART 273 Image and Text</td>
<td>3</td>
</tr>
<tr>
<td>ART 290 Projects in Media</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 27

Note: Courses coded ART and which have ART prerequisites are graded credit/no-credit.
# Early Childhood Education (LEC)

<table>
<thead>
<tr>
<th><strong>THE CERTIFICATE</strong></th>
<th>Licensure for Early Childhood Educators</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THE PROGRAM</strong></td>
<td>Provides the courses required by the Department of Early Education and Care for those seeking licensure as head teachers in preschool settings. These five required courses in combination with 27 months of classroom experience qualify you for licensure. The program is recommended for those who are now working as aides, or who are interested in working with young children.</td>
</tr>
<tr>
<td><strong>YOUR NEXT STEP</strong></td>
<td>Work in preschools or enter an associate degree program.</td>
</tr>
<tr>
<td><strong>PROGRAM COORDINATOR</strong></td>
<td>Kate Finnegan, Office: E118A, (413) 775-1125, <a href="mailto:finnegan@gcc.mass.edu">finnegan@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 101 Introduction to Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 201 Early Childhood Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101 Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 233 Child Behavior and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Electives</th>
<th>One course from the Program Elective list below</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROGRAM ELECTIVE</td>
<td></td>
</tr>
<tr>
<td>EDU 103 Creative Experiences in Art, Music, and Drama</td>
<td>3</td>
</tr>
<tr>
<td>EDU 111 Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 121 Reading and Language for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>EDU 123 Educating the Infant and Toddler</td>
<td>3</td>
</tr>
<tr>
<td>EDU 141 Building Teacher-Parent Relationships</td>
<td>3</td>
</tr>
<tr>
<td>EDU 205 Philosophy of Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 15

Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7.
## Entrepreneurship (ENT)

<table>
<thead>
<tr>
<th>THE CERTIFICATE</th>
<th>Entrepreneurship</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides the skills needed for a start-up business venture, or to invigorate an existing small business. Includes hands-on experiences in the chosen business field, and maximum flexibility to emphasize areas of personal need and interest.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Development of a proprietary business or continuation in an associate degree with a business or non-business emphasis.</td>
</tr>
<tr>
<td>PROGRAM COORDINATOR</td>
<td>Kathleen Vranos, Office: E132K, (413) 775-1471, <a href="mailto:vranosk@gcc.mass.edu">vranosk@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

### Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 105 Personal Financial Literacy</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111 The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 116 E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 123 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS 209 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 140 Entrepreneurship Seminar</td>
<td>1-3</td>
</tr>
<tr>
<td>ECO 102 Principles of Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

### Program Electives

- **One 3-credit course coded CIS ①**: 3
- **Special Interest Electives**: Consult with faculty advisor to select 6 credits of courses ②: 6

① CIS elective should be chosen in consultation with faculty advisor and with consideration for the student’s skill level and needs.

② Special Interest Electives should be chosen in consultation with a faculty advisor. These courses should reflect the particular entrepreneurial interests/needs of the student, and may be selected from outside of the business disciplines. Approval of the Entrepreneurship Program Coordinator is required.

Total Credits: 28
# Environmental Science (NRC)

<table>
<thead>
<tr>
<th>THE CERTIFICATE</th>
<th>Environmental Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides students with the knowledge needed for entry-level employment opportunities in the environmental science field.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Work in an entry level position in the environmental science field or transfer to the Environmental Science program and pursue an Associate of Arts in Liberal Arts degree and transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td>PROGRAM CONTACT</td>
<td>Brian Adams, Office: S410, (413) 775-1454, <a href="mailto:adams@gcc.mass.edu">adams@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Total Credits: 24-27**

<table>
<thead>
<tr>
<th>Program Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 120 Introduction to Environmental Science</td>
</tr>
<tr>
<td>EVS 101 Environmental Studies: Issues in Sustainability</td>
</tr>
</tbody>
</table>

**Program Electives**

| Any two of the following: BIO 103 Ecology, BIO 104 Natural History, or BIO 122 Freshwater Ecology | 8 |
| Any three courses that total at least 9 credits coded: BIO, CHE, GEO, or SCI | 9-12 |

If you are interested in an Associate of Arts in Liberal Arts Degree with a focus on Environmental Science please see program requirements on page 63.
Academic Programs

Human Services (HSV)

<table>
<thead>
<tr>
<th>THE CERTIFICATE</th>
<th>Human Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides training for entry-level human service employment. Also provides opportunities for training those already employed in the field.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Work in the human services field or transfer to the Liberal Arts/Human Services Option and prepare to transfer to a Baccalaureate program.</td>
</tr>
<tr>
<td>PROGRAM COORDINATOR</td>
<td>Anne Garvey, Office: E116H, (413) 775-1325, <a href="mailto:garveya@gcc.mass.edu">garveya@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HSV 101 Introduction to Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HSV 115 The Helping Relationship</td>
<td>3</td>
</tr>
<tr>
<td>HSV 205 Case Management Practices</td>
<td>3</td>
</tr>
<tr>
<td>HSV 215 Counseling Skills</td>
<td>3</td>
</tr>
<tr>
<td>HSV 271 Practicum in Human Services</td>
<td>4</td>
</tr>
<tr>
<td>PSY 101 Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 217 Human Growth and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 28

Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7.
# Office Assistant (OFF)

## THE CERTIFICATE
Office Assistant

## THE PROGRAM
Develops basic office communication skills, provides an understanding of business organization and practices, and includes extensive hands-on experience with manual and computerized bookkeeping and automation software tools.

## YOUR NEXT STEP
Employment in a variety of business, bookkeeping, and medical office settings, or continuation in a business-oriented associates degree.

## PROGRAM COORDINATOR
Thomas Fredrick, Office: E132J, (413) 775-1493, fredrickt@gcc.mass.edu

## Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 121</td>
<td>Principles of Financial Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>ACC 122</td>
<td>Principles of Financial Accounting II</td>
<td>4</td>
</tr>
<tr>
<td>BUS 105</td>
<td>Personal Financial Literacy</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111</td>
<td>The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>CIS 140</td>
<td>Microcomputer Software Tools I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141</td>
<td>Microcomputer Software Tools II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 145</td>
<td>Relational Database Design and Application</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101, 103, or 105</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PCS 101, 121, 131, or 141</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 32
# Outdoor Leadership (OLP)

### THE CERTIFICATE
Outdoor Leadership

### THE PROGRAM
Provides students with the skills and knowledge needed to lead entry-level or above adventure programs and services. Students learn by doing; activities are primarily field-oriented, with hands-on training. The certificate prepares you to design and deliver experiences in five areas: backcountry travel, rock climbing, paddling sports, Nordic skiing, and challenge course work. Certification competencies comply with adventure industry nationally recognized standards. OLP is accredited by the Association for Experiential Education.

### YOUR NEXT STEP
Students are prepared to work in outdoor centers and organizations, paddling schools, outdoor schools such as NOLS and Outward Bound, human services organizations, educational institutions that utilize adventure, and a diverse variety of recreational programs. Students with previous career skills may combine those with current technical training towards entrepreneurial ventures, counseling, or other specialized fields. Students also choose to continue studies in outdoor education, adventure recreation, natural or social sciences, and a myriad of related fields.

### PROGRAM COORDINATOR
Austin Paulson, Office: N112, (413) 775-1126, paulsona@gcc.mass.edu

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Total Credits: 32-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLP 111 Introduction to Outdoor Adventure Skills</td>
<td>4</td>
</tr>
<tr>
<td>OLP 112 Leadership and Group Management I</td>
<td>4</td>
</tr>
<tr>
<td>OLP 116 Adventure Program Planning and Fieldwork I</td>
<td>3</td>
</tr>
<tr>
<td>OLP 120 Wilderness Medical Preparedness and Rescue</td>
<td>2</td>
</tr>
<tr>
<td>OLP 124 Natural/Cultural History and Resource Management</td>
<td>2</td>
</tr>
<tr>
<td>OLP 143 Backcountry Travel Instructor I</td>
<td>2</td>
</tr>
<tr>
<td>OLP 201 Individual Project in Outdoor Leadership I</td>
<td>1</td>
</tr>
<tr>
<td>OLP 202 Individual Project in Outdoor Leadership II</td>
<td>1</td>
</tr>
<tr>
<td>OLP 205 Leadership and Group Management II</td>
<td>2</td>
</tr>
<tr>
<td>OLP 216 Adventure Program Planning and Fieldwork II</td>
<td>3</td>
</tr>
<tr>
<td>OLP 239 Backcountry Travel Instructor II</td>
<td>2</td>
</tr>
</tbody>
</table>

### Program Electives
At least three 200-level courses from the Program Electives list below: 6

**PROGRAM ELECTIVES**
- OLP 230 Rock Climbing Instructor ............................................................. 2
- OLP 231 River Canoe Instructor ................................................................. 2
- OLP 232 Nordic Ski Instructor ................................................................. 2
- OLP 234 Challenge Course Practitioner .................................................. 2
- OLP 238 Coastal Kayak Instructor ......................................................... 2

**OTHER SPRING ELECTIVES (optional)**
- OLP 146 Whitewater Kayaking .............................................................. 2
- OLP 147 Mountaineering and Ice Climbing .......................................... 2

**PROGRAM POLICIES:** Students must have current Wilderness First Responder certification or equivalent first aid training to enter the program.

**ADMISSION REQUIREMENT:** This program requires a different admission process. Please contact the program coordinator or the Admission Office for additional information.

The Outdoor Leadership Program is accredited by the Association of Experiential Education.
Paramedic (PMC)

<table>
<thead>
<tr>
<th>THE CERTIFICATE</th>
<th>Paramedic</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Meets the most recent National Standard curriculum requirements for Paramedic education and prepares you to take the Massachusetts and National Registry certification examinations. Students begin hands-on clinical experiences during the didactic portion of the program.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Take certification examination for EMT-Paramedic.</td>
</tr>
<tr>
<td>PROGRAM DIRECTOR</td>
<td>Dawn Josefski, Office: E120A, (413) 775-1761, <a href="mailto:josefski@gcc.mass.edu">josefski@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Total Credits: 29</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 105 Principles of Advanced Life Support</td>
<td>5</td>
</tr>
<tr>
<td>EMS 202 Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>EMS 203 Management of Medical and Shock-Trauma Emergencies</td>
<td>8</td>
</tr>
<tr>
<td>EMS 204 Management of Cardiovascular Emergencies</td>
<td>8</td>
</tr>
<tr>
<td>EMS 210 Paramedic Clinical</td>
<td>2</td>
</tr>
<tr>
<td>EMS 211 Paramedic Fieldwork Internships I</td>
<td>2</td>
</tr>
<tr>
<td>EMS 212 Paramedic Fieldwork Internships II</td>
<td>2</td>
</tr>
</tbody>
</table>

The Paramedic Program is accredited by the Commonwealth of Massachusetts’ Office for Emergency Medical Services (OEMS).

Applicants must have current basic or intermediate certification and be able to pass a written Basic EMT test administered by the Program; placement beyond or satisfactory completion of ENG 090, ENG 094 (COL 090), MAT 090; and concurrent enrollment or prerequisite completion of BIO 108 or equivalent. Students must complete health requirements no later than October 1st of the year they are accepted into the PMC program. Students must be 18 years of age to begin classes in the program.

LEGAL REQUIREMENTS: Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7. Students who fail to meet the requirements of GCC clinical affiliates’ CORI check will not be able to begin or continue in the program. Applicants need to know that individuals with a record of conviction by a Court of Law will be required to provide a complete explanation to the Office for Emergency Medical Services (OEMS) in order to be permitted to take the certification exam.

EXTRA COSTS: Paramedic students are required to purchase malpractice insurance, lab coats, uniforms, emblems, and texts. There are lab fees which cover the costs of ACLS, PALS, PHTLS, and PEPP certifications, disposable goods, instructor/student ratios, and examination supplies. Students are required to cover the costs associated with travel to and from clinical and field sites. Students are also required to cover the costs of state and/or national certifying examinations.
Academic Programs

Practical Nursing-L.P.N. (PNC)

THE CERTIFICATE
Practical Nursing

THE PROGRAM
Prepares you for a career as a practical nurse, who provides direct and competent bedside care for adults and children in nursing homes and hospitals. You will be required to take a rigorous combination of liberal arts and clinical nursing courses over 40 weeks between September and the end of June.

YOUR NEXT STEP
Take the LPN licensure examination and enter the LPN work force and/or continue your education in an RN program. A direct articulation agreement exists with GCC’s Associate Degree Nursing program. Refer to page 95 for the requirements.

PROGRAM COORDINATOR
Virginia Wahl, Office: VA Medical Center, (413) 582-3055, wahl@gcc.mass.edu

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>One of the following: BIO 194 Comprehensive Anatomy and Physiology or BIO 196 Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>NUR 103 Fundamentals of Practical Nursing</td>
<td>12</td>
</tr>
<tr>
<td>NUR 105 Practical Nursing Practicum</td>
<td>2</td>
</tr>
<tr>
<td>NUR 107 Nursing Care of Clients and Families</td>
<td>14</td>
</tr>
<tr>
<td>NUR 109 Advanced Concepts in Practical Nursing</td>
<td>5</td>
</tr>
<tr>
<td>PSY 101 Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 217 Human Growth and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 43

The Practical Nursing Certificate program is approved by the Massachusetts Board of Registration for Nursing.

Students are required to pass every course in the Practical Nursing Certificate curriculum plan. A passing grade is defined as a "C" (74) in class work and a passing grade in clinical performance. If a course is failed, the student cannot continue in the program.

Nursing requires a special admission process. Students who have met all admission requirements are accepted on a space available basis to the Practical Nursing program.

Admission requirements for this program are a high school diploma or GED, English Composition I (ENG 101, 103, or 105), Introductory Algebra \(^1\) (MAT 105 (095) or equivalent or higher level taken within the last five years with a minimum "C+" grade), and one course from the following list taken within the last five years with a minimum "C" grade: Biology I (BIO 126), Comprehensive Anatomy and Physiology (BIO 194), Human Anatomy and Physiology I (BIO 195), Human Anatomy and Physiology II (BIO 196). In addition, successful completion of the Test for Essential Academic Skills (TEAS) examination is required. A composite score (reading, math, science and English) of 50% with a reading score of 50% and math score of 50% is required for admission. Also, a completed physical examination and immunization record, as well as a current CPR certification card covering Adults, Children, and Infants, are required. Students participating in this program must undergo a Criminal Offender Record Information (CORI) check. For more information please refer to page 7.

Interested applicants should review an information packet online, which describes admission requirements, the curriculum and program policies before beginning the application process. Also, informational meetings are held regularly and are highly recommended. Information about either of these and a program application are available at www.gcc.mass.edu/pnc or by calling the Office of Admission at (413) 775-1802.

In addition to successfully completing the program, all graduates must meet the requirements of the Board of Registration in Nursing's policy, Determination of Good Moral Character (licensure policy 00-01) to be permitted to apply to take the licensing examination (NCLEX-PN) to become an LPN. The Board’s policy states that there are specific situations for individuals with a record of a criminal conviction and/or any disciplinary action that will limit or permanently prevent the individual’s application for licensure. Since the burden of demonstrating to the Board that an applicant is of ‘good moral character’ is on the applicant, anyone with a conviction for a felony, misdemeanor, or disciplinary action is strongly advised to obtain more information on this licensure policy from the Massachusetts Board of Registration in Nursing www.mass.gov/dph/boards/rn or by calling (617-973-0900) before applying to this program.

In addition, some of the clinical facilities require that students meet the requirements of a CORI (Criminal Offenders Record Information) check. Students who fail to meet the requirements of GCC clinical affiliates will not be able to continue in the program.

Extra costs: nursing students are required to purchase uniforms, lab equipment, malpractice insurance, and standardized tests. In addition there are fees for maintaining CPR certification, immunizations, a required physical, and nursing related graduation expenses (licensure application, NCLEX-PN exams).

\(^1\) Applicants may also complete the Introductory Algebra admission requirement by receiving an algebra placement test score of 61 or higher and an arithmetic placement test score of 67 or higher.
# Real Estate (RST)

<table>
<thead>
<tr>
<th><strong>THE CERTIFICATE</strong></th>
<th>Real Estate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THE PROGRAM</strong></td>
<td>Designed for students desiring to enter the real estate field as a licensed salesperson. Selling and business communication skills, business computer usage, and daily operations of a real estate business are emphasized. Students must possess basic touch keyboarding skills equivalent to CIS 096 upon entrance into this program.</td>
</tr>
<tr>
<td><strong>YOUR NEXT STEP</strong></td>
<td>Find employment in the real estate field.</td>
</tr>
<tr>
<td><strong>PROGRAM COORDINATOR</strong></td>
<td>Kathleen Vranos, Office: E132K, (413) 775-1471, <a href="mailto:vranosk@gcc.mass.edu">vranosk@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 105 Personal Financial Literacy</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111 The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 116 E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>BUS 119 Principles of Real Estate ①</td>
<td>3</td>
</tr>
<tr>
<td>BUS 123 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS 209 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>One of the following: BUS 293 or BUS 294 Internship ②</td>
<td>1-6</td>
</tr>
<tr>
<td>Any Course coded CIS 140 or above</td>
<td>3</td>
</tr>
</tbody>
</table>

① Students are eligible to take the Massachusetts Real Estate Salesperson Licensing Exam upon successful completion of BUS 119. This exam must be taken within two years of course completion.

② Students must arrange with a licensed Real Estate Broker to earn from one to six credits.

Total Credits: 22-27
# Renewable Energy/Energy Efficiency (REE)

<table>
<thead>
<tr>
<th>THE CERTIFICATE</th>
<th>Renewable Energy/Energy Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides students a comprehensive introduction to renewable energy and energy efficiency; provides students with the knowledge and skills needed for entry-level employment opportunities in the renewable energy/energy efficiency field without the general education requirements of the associates degree; provides students already employed in the trades with knowledge and skills relevant to specific renewable energy/energy efficiency technologies, as well as broader understanding of the scientific, economic and political context of the industry; and provides students with the knowledge and skills needed for continued learning and education in the renewable energy/energy efficiency field, including transfer into the associate’s degree program.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Take appropriate industry exams based on your course work. Find employment in the renewable energy/energy efficiency field e.g., green building, energy auditing and/or solar. Continue academic studies in a degree program.</td>
</tr>
<tr>
<td>PROGRAM COORDINATOR</td>
<td>Teresa Jones, Office: S414, (413) 775-1462, <a href="mailto:jones@gcc.mass.edu">jones@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

**Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCI 120</td>
<td>Sustainable Energy: Theory and Practice</td>
<td>4</td>
</tr>
<tr>
<td>SCI 126</td>
<td>Residential Energy Efficiency and Energy Auditing</td>
<td>3</td>
</tr>
<tr>
<td>One 3-credit course coded: ACC, BUS, CIS, or ECO</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Program Electives**

Any 11 credits of courses from the Program Electives list below ① ② ③ ④

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCI 110</td>
<td>Community Energy Solutions</td>
<td>1</td>
</tr>
<tr>
<td>SCI 112</td>
<td>Fundamentals of Electricity</td>
<td>3</td>
</tr>
<tr>
<td>SCI 114</td>
<td>Residential Construction Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>SCI 116</td>
<td>Introduction to Geothermal Heating and Cooling</td>
<td>1</td>
</tr>
<tr>
<td>SCI 118</td>
<td>Greenhouse Gas Assessment and Carbon Cap and Trade</td>
<td>1</td>
</tr>
<tr>
<td>SCI 119</td>
<td>Introduction to Global Warming</td>
<td>3</td>
</tr>
<tr>
<td>SCI 121</td>
<td>Introduction to Photovoltaic (Solar Electric) Technology</td>
<td>3</td>
</tr>
<tr>
<td>SCI 122</td>
<td>Solar Domestic Hot Water</td>
<td>1</td>
</tr>
<tr>
<td>SCI 123</td>
<td>Passive Solar Technology</td>
<td>1</td>
</tr>
<tr>
<td>SCI 124</td>
<td>Energy Conservation and Efficiency</td>
<td>1</td>
</tr>
<tr>
<td>SCI 125</td>
<td>Sustainable Landscape Design</td>
<td>3</td>
</tr>
<tr>
<td>SCI 127</td>
<td>Introduction to Sustainable Design and Green Building</td>
<td>3</td>
</tr>
<tr>
<td>SCI 128</td>
<td>Solar Thermal Systems</td>
<td>3</td>
</tr>
<tr>
<td>SCI 129</td>
<td>Fundamentals of Wind Energy</td>
<td>3</td>
</tr>
<tr>
<td>SCI 130</td>
<td>Extreme Insulation Retrofits</td>
<td>3</td>
</tr>
<tr>
<td>SCI 131</td>
<td>Introduction to Piping</td>
<td>2</td>
</tr>
<tr>
<td>SCI 132</td>
<td>Introduction to Heating, Ventilation and Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>SCI 133</td>
<td>Introduction to Architectural Modeling with ArchiCAD</td>
<td>2</td>
</tr>
<tr>
<td>SCI 134</td>
<td>Building with Earth, Straw, Wood, and Stone</td>
<td>3</td>
</tr>
<tr>
<td>SCI 135</td>
<td>Green Career Exploration</td>
<td>1</td>
</tr>
<tr>
<td>SCI 137</td>
<td>Permaculture Design</td>
<td>4</td>
</tr>
<tr>
<td>SCI 221</td>
<td>Photovoltaic (Solar Electric) Installation</td>
<td>3</td>
</tr>
<tr>
<td>SCI 227</td>
<td>Sustainable Design and Green Building Practices</td>
<td>3</td>
</tr>
<tr>
<td>SCI 293/294</td>
<td>Internship in Renewable Energy</td>
<td>1-6</td>
</tr>
</tbody>
</table>

**General Electives**

Any 7 credits of courses coded: ACC, BIO, BUS, CHE, CIS, ECO, EGR, EVS, GEO, MAT (3-4 credits), PHY, PSJ, SCI, ENG 101, ENG 103, or ENG 105, other than a developmental course (see page 28) and MAT 116 ① ② ③

**Total Credits:** 28  

Course requirements and electives to be chosen after consultation with faculty advisor and in consideration of the requirements of the transfer institution and student's professional goals.

① Depending on your academic background and work experience, you may need to take additional courses as prerequisites or co-requisites (concurrent enrollment).

② These courses may have additional prerequisites. Please consult the course catalog.

③ MAT 105 and MAT 106 grant elective credit, which may not transfer to another institution. These courses do not satisfy requirements for college level mathematics at any institution.

④ A student concentrating in photovoltaics may qualify to take the North American Board of Certified Energy Providers (NABCEP) Basic Knowledge in Photovoltaics exam.

⑤ Internships may be taken as Science Electives or as General Electives in consultation with faculty advisor. No more than six total credits of internship may count toward this certificate.
# Web Development and Design (WDD)

<table>
<thead>
<tr>
<th>THE CERTIFICATE</th>
<th>Web Development and Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Provides the technical and design skills needed to develop, implement, and maintain a functional website for a variety of business or non-profit applications.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Entry-level employment as a web developer, web designer, or content manager; proprietorship of a contracted web development service; or continuation towards an Associate's Degree in Computer Information Systems or Marketing.</td>
</tr>
<tr>
<td>PROGRAM CONTACT</td>
<td>Doug Wilkins, Office: E132P, (413) 775-1480, <a href="mailto:wilkins@gcc.mass.edu">wilkins@gcc.mass.edu</a></td>
</tr>
</tbody>
</table>

## Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 161 Computer Arts Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 263 Web Site Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 264 Flash Site Design</td>
<td>3</td>
</tr>
<tr>
<td>BUS 116 E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>CIS 140 Microcomputer Software Tools I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 141 Microcomputer Software Tools II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 145 Relational Database Design and Application</td>
<td>3</td>
</tr>
<tr>
<td>CIS 151 Web Site Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 27**

## Program Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>One course from the Program Elective list below</td>
<td>3</td>
</tr>
</tbody>
</table>

## PROGRAM ELECTIVE

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 151 Photography Foundation</td>
<td>3</td>
</tr>
<tr>
<td>ART 155 Video Foundation</td>
<td>3</td>
</tr>
<tr>
<td>BUS 111 The Contemporary Business World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 123 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 150 Programming Principles and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CIS 245 Advanced Database Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIS 251 Java Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: This Program provides a balance of technical and design skills necessary to carry out basic web development. Students interested in designing, proposing, and implementing webpage design changes for businesses as a career should strongly consider enrolling in the Marketing or Computer Information Systems Associate Degree programs.
Academic Programs

Programs in Collaboration with Neighboring Community Colleges

- Physical Therapist Assistant Associate in Science Degree
- Radiologic Technology Program Associate in Science Degree

Greenfield Community College has enrollment agreements with Berkshire Community College (BCC), Holyoke Community College (HCC), and Mount Wachusett Community College (MWCC). GCC students can complete the general education courses listed at GCC before transferring to BCC, HCC, or MWCC to earn their degree. Students must still apply to the college offering the program they intend to pursue. Students are encouraged to contact the program chairs at BCC, HCC, or MWCC during their first year of study to learn about the admissions process required for these programs.
Physical Therapist Assistant
(with Berkshire Community College or Mt. Wachusett Community College)

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate in Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Prepares a health care provider who works under the supervision of a physical therapist. Physical therapy methods and treatment techniques include massage, therapeutic exercise, gait training, heat and cold application, use of assistive, prosthetic, orthotic and electrical devices.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Enroll at Berkshire Community College (BCC) or Mount Wachusett Community College (MWCC) to take the technical courses. The program at BCC and MWCC includes four sequential semesters of technical courses plus a summer session. Graduates of the PTA program are eligible to take the licensing examination to become registered PTAs. PTAs are employed in hospitals, nursing homes, school systems, private practices, rehabilitation centers, home health agencies, and sports medicine clinics.</td>
</tr>
</tbody>
</table>

**BCC PROGRAM DIRECTOR**
Michele Darroch, PTA Program Coordinator, Berkshire Community College (413) 236-4525 or (800) 816-1233, x266, email: mdarroch@berkshirecc.edu

**MWCC PROGRAM DIRECTOR**
Margaret Jaillet, PTA Program Coordinator, Mt. Wachusett Community College, (978) 630-9292, email: m_jaillet@mwcc.mass.edu

**GCC PROGRAM CONTACT**
Lou Peugh, Health Science Option Program Advisor
Greenfield Community College, Office: C118F, (413) 775-1848, email: peugh@gcc.mass.edu

**Required courses that can be taken at GCC for the BCC program**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101, ENG 103, or ENG 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, ENG 114, or ENG 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PCS 101, PCS 121, or PCS 141 Personal Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>Behavioral Science Elective: PSY 101 or SOC 101</td>
<td>3</td>
</tr>
<tr>
<td>MOM 110 Introduction to Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 195 Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 196 Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>Liberal Arts Elective from list on pages 50-51</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>26</strong></td>
</tr>
</tbody>
</table>

Students should contact the BCC program coordinator early on to select Liberal Arts Elective.
Students should consult with BCC advisor concerning math placement testing/math coursework and application to BCC and the PTA program.
BIO 195, 196 should be no more than 5 years old.
The program accepts students every two years, with the next incoming classes in 2013 and 2015.

**Required courses that must be taken at BCC**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 230 Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>PHY 111 The Ideas of Physics</td>
<td>3</td>
</tr>
<tr>
<td>PTA 100 Introduction to Physical Therapy</td>
<td>2</td>
</tr>
<tr>
<td>PTA 101 Physical Therapist Assistant I</td>
<td>4</td>
</tr>
<tr>
<td>PTA 102 Structural Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PTA 115 Functional Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PTA 150 Clinical Education I</td>
<td>2</td>
</tr>
<tr>
<td>PTA 200 Rehab Neurology</td>
<td>3</td>
</tr>
<tr>
<td>PTA 201 Physical Therapist Assistant II</td>
<td>2</td>
</tr>
<tr>
<td>PTA 202 Therapeutic Exercise</td>
<td>4</td>
</tr>
<tr>
<td>PTA 203 PTA Seminar</td>
<td>3</td>
</tr>
<tr>
<td>PTA 250 Clinical Education II</td>
<td>4</td>
</tr>
<tr>
<td>PTA 260 Clinical Education III</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>40</strong></td>
</tr>
</tbody>
</table>

(continued on next page)
**Academic Programs**

**Physical Therapist Assistant**
(continued from previous page)

<table>
<thead>
<tr>
<th>Required courses that can be taken at GCC for the MWCC program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101, 103, or 105 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112, 114, or 116 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 195 Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 196 Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>Business elective (ACC, BUS, CIS ➀ ECO 101 or ECO 102)</td>
<td>3-4</td>
</tr>
<tr>
<td>Humanities elective ➁</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101 Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 217 Human Growth and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL:** 25-26

Students should consult with MWCC advisor concerning math placement testing/math coursework. A mathematics competency equal to at least MAT 126 (Topics in Mathematics) is required prior to Semester I coursework. GCC’s equivalent math course is MAT 117 (Mathematical Problem Solving).

Students should also consult with MWCC advisor concerning application to MWCC and the PTA program. Applications to the program are due June 1, 2013.

BIO 195, 196 should be no more than 5 years old with a minimum grade of C+.

➀ Selected computer course. Students should consult with MWCC advisor for more information.

➁ Courses coded ART, ASL, ENG (200 level), FRE, HUM, MUS, PHI, SPA, and selected speech and theatre courses. Students should consult with MWCC advisor for more information.

<table>
<thead>
<tr>
<th>Required courses that must be taken at MWCC</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA 101 Introduction to Physical Therapy Assisting</td>
<td>1</td>
</tr>
<tr>
<td>PTA 102 Basic Therapeutic Techniques</td>
<td>4</td>
</tr>
<tr>
<td>PTA 104 Applied Anatomy and Kinesiology</td>
<td>4</td>
</tr>
<tr>
<td>PTA 105 Assessment Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PTA 107 Therapeutic Exercise</td>
<td>4</td>
</tr>
<tr>
<td>PTA 108 Clinical Orthopedics</td>
<td>4</td>
</tr>
<tr>
<td>PTA 110 Clinical Practicum I</td>
<td>3</td>
</tr>
<tr>
<td>PTA 112 Therapeutic Modalities</td>
<td>4</td>
</tr>
<tr>
<td>PTA 113 Advanced Rehabilitation Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PTA 114 Neurophysiological Techniques</td>
<td>4</td>
</tr>
<tr>
<td>PTA 116 Clinical Practicum II</td>
<td>5</td>
</tr>
<tr>
<td>PTA 117 Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>PTA 118 Clinical Management &amp; Healthcare Issues</td>
<td>1</td>
</tr>
<tr>
<td>PTA 119 Clinical Practicum III</td>
<td>5</td>
</tr>
<tr>
<td>PTA 139 Human Disease and Pathology</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL:** 52
Radiologic Technology Program  
(with Holyoke Community College)

<table>
<thead>
<tr>
<th>THE DEGREE</th>
<th>Associate in Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE PROGRAM</td>
<td>Offers students training in operating state of the art radiology equipment, basics in positioning and radiography in a variety of settings.</td>
</tr>
<tr>
<td>YOUR NEXT STEP</td>
<td>Enroll at Holyoke Community College (HCC) to take the technical courses. The program requires Intersession and summer sessions in clinic settings in addition to classroom, lab and general education courses. Graduates, after passing the National Registry Examination in Radiography can work in hospitals, medical clinics, and industry. Opportunities exist after graduation for transfer into Baccalaureate programs in health-related fields or to programs in Nuclear Medicine, Radiation Therapy, Ultrasound or Advanced Imaging.</td>
</tr>
</tbody>
</table>

**HCC PROGRAM DIRECTOR**
Holly Martin-Peele, Chair, Radiologic Technology Department, Holyoke Community College  
(413) 552-2460, email: hmartin@hcc.mass.edu

**GCC PROGRAM CONTACT**
Lou Peugh, Health Science Option Program Advisor  
Greenfield Community College, Office: C118F, (413) 775-1848, email: peugh@gcc.mass.edu

**Required courses that can be taken at GCC**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Required courses that can be taken at GCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ENG 101, 103, of 105 English Composition I</td>
</tr>
<tr>
<td>3</td>
<td>ENG 112, 114, of 116 English Composition II</td>
</tr>
<tr>
<td>4</td>
<td>BIO 195 Anatomy and Physiology I ➀</td>
</tr>
<tr>
<td>4</td>
<td>BIO 196 Anatomy and Physiology II ➀</td>
</tr>
<tr>
<td>4</td>
<td>MAT 107 College Algebra</td>
</tr>
<tr>
<td>3</td>
<td>MOM 110 Introduction to Medical Terminology</td>
</tr>
<tr>
<td>3</td>
<td>SOC 101 Principles of Sociology ➁</td>
</tr>
<tr>
<td>3</td>
<td>SOC 201 Social Problems ➁</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>27</strong></td>
</tr>
</tbody>
</table>

- ➀ BIO 195, 196 should be no more than 5 years old.
- ➁ Other Social Science courses may apply. Contact HCC for details.

**Required courses that must be taken at HCC**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Required courses that must be taken at HCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>RDL 115 Patient Care I</td>
</tr>
<tr>
<td>3</td>
<td>RDL 122 Radiographic Technique and Control I</td>
</tr>
<tr>
<td>3</td>
<td>RDL 123 Radiographic Technique and Control II</td>
</tr>
<tr>
<td>3</td>
<td>RDL 132 Radiographic Positioning and Related Anatomy II</td>
</tr>
<tr>
<td>3</td>
<td>RDL 133 Radiographic Positioning and Related Anatomy III</td>
</tr>
<tr>
<td>2</td>
<td>RDL 141 Clinical Education and Lab Experience I</td>
</tr>
<tr>
<td>3</td>
<td>RDL 142 Clinical Education and Lab Experience II</td>
</tr>
<tr>
<td>1</td>
<td>RDL 158 Clinical Internships II</td>
</tr>
<tr>
<td>3</td>
<td>RDL 190 Radiologic Instrumentation</td>
</tr>
<tr>
<td>3</td>
<td>RDL 221 Advanced Procedures and Techniques I</td>
</tr>
<tr>
<td>3</td>
<td>RDL 233 Special Radiographic Studies and Contrast Media</td>
</tr>
<tr>
<td>3</td>
<td>RDL 234 Advanced Imaging and Radiobiology Procedures and Techniques II</td>
</tr>
<tr>
<td>3</td>
<td>RDL 241 Clinical Education and Lab Experience III</td>
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<td>RDL 242 Clinical Education and Lab Experience IV</td>
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<td>4</td>
<td>RDL 251 Clinical Internships III</td>
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<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>43</strong></td>
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</table>
Additional Academic Opportunities

ONLINE COURSES

GCC offers on-campus, hybrid, and fully online courses. Hybrid and online courses using Internet-based resources provide flexibility and increase accessibility to college courses and degree programs. Most courses at GCC involve work on computers using applications such as Microsoft Word and PowerPoint. Computers for student use are available at numerous areas on campus, including the library and computer labs. Moodle is the platform used for the delivery of course content online. This learning management system provides learning tools, such as a discussion board, course announcements, online quizzes, web links, a grade book, and audio/video segments. Moodle is connected to the GCC email account. Faculty send email announcements and important updates through Moodle. Students in courses using Moodle are given access information the first day of class or via email for fully-online classes.

Considering an online course? Distance Learning options work well for some students – but not all. Students who typically succeed in online courses are those who are self-directed, well-organized, and like to work independently. For information visit our website: [http://web.gcc.mass.edu/instructional-technology](http://web.gcc.mass.edu/instructional-technology), email: onlinecourses@gcc.mass.edu, or call: (413) 775-1481.

SPECIAL TOPICS COURSES

Greenfield Community College offers Special Topics courses that provide students opportunities to enhance their learning by exploring particular topics or themes more intensively and creatively than is possible in regular course offerings. Special topics courses are 200 level courses, require introductory (100) level courses as prerequisites, and are designated by the appropriate three-letter department code and the number 240. Students may repeat a 240 Special Topics course for credit within the same department as long as the title of the course is different. Otherwise, refer to the standard procedure regarding repeating a course found in the college catalog.

TRANSITIONS PROGRAM

Next Step Up

The Next Step Up Program is open to any GED or nontraditional student. Students are part of a cohort with whom they attend classes. The program helps them fiscally and logistically for the first two semesters and students transition into the academic program of their choice. They have the same advisor throughout those semesters and attend workshops on additional college and career topics.

GCC Educational Transitions Programs (Greenfield and Turners Falls High Schools)

The Educational Transitions Programs provide an option for students who want to complete their high school education outside of the traditional high school environment. Working with an assigned GCC academic advisor and their high school guidance office, students have the opportunity to take classes at GCC while completing their high school graduation requirements.

DIRECTED STUDY

Directed study allows a student to collaborate with a qualified instructor to complete a project for advanced individual study beyond the specific offerings at Greenfield Community College. To qualify, the student must have completed all available offerings in the given topic. A course described in the Greenfield Community College catalog may not be completed through a directed study, except in extraordinary circumstances.

A directed study carries the course number 295 or 296 and may be completed for one, two or three credits. If a 295 course is completed for one credit, the student may complete additional 295 courses in the same subject field until a maximum of three credits is earned.

The successful completion of a 295 course is prerequisite to the 296 course in the same field. Once a student embarks on a 296, they may not go back to a 295 in the same subject field, even if the maximum of three credits in the 295 has not been earned.
A directed study may not be accepted in transfer to a Baccalaureate degree awarding institution. For additional information and application materials, contact the Registrar or an Academic Grouping Office, or visit http://www.gcc.mass.edu/forms/.

**INTERNSHIPS**

Internships extend students’ learning beyond the classroom setting and allow them to work with a faculty mentor and a sponsor from a business or organization to gain hands-on experience in professional work environments that relate to their academic and career interests. Students should be able to relate the internship experience to knowledge and skills that they have gained through college-level classroom instruction.

Internships I and II carry the course number 293 and 294 respectively, and may be completed for one to six credits. No more than six credits from 293/294 numbered courses can be used to satisfy requirements for any one degree or certificate. An internship might not be accepted in transfer to a Baccalaureate degree awarding institution.

**293** (1–6 credits) *Internship I* and **294** (1–6 credits) *Internship II* are site-based learning experiences. In consultation with an appointed faculty mentor and a site supervisor, students will develop and fulfill a list of learning goals and expectations. Activities for 293 could include site-based research and presentations, field experiences, apprenticeships, performing tasks commensurate with the student’s professional goals, shadowing professionals, etc.

For 294, students will put into practice skills and knowledge gained in previously taken courses and program related experiences. It is expected that the relationship between student and the site is mutually beneficial: students will gain real-life experience as they put theory to practice, and the site will have value added in some significant way.

Before an internship begins, the student and faculty mentor will agree upon the credits to be awarded (45 on-site hours per credit). At the end of the internship, the grade will be determined by the faculty mentor, in consultation with the student and the site personnel, on the basis of the extent to which the student has advanced their understanding in the field of interest.

To learn more about internships, students should see their academic advisor and/or a potential faculty mentor. Internship forms are available from the Registrar’s Office, Academic Grouping Offices, or at http://www.gcc.mass.edu/forms/. Note: The faculty mentor will confer with the department’s chair/coordinator to confirm the appropriateness of the placement.

**STUDY ABROAD OPPORTUNITY**

**International Travel Award**

This scholarship program, administered by the GCC International Studies Committee, has been sponsored jointly by the Student Senate and the President since 2000. Each summer, scholarship recipients spend two to three weeks in a language and culture institute in a French- or Spanish-speaking country, immersing themselves in that country’s culture and language. Students develop communication skills and gain understanding of other cultures by attending language classes at the institute, visiting local sites of cultural interest and staying with local host families. For more information, contact the chair of the International Studies Committee at (413) 775-1226.

**MASSACHUSETTS COLLEGE OF ART AND DESIGN AT GREENFIELD COMMUNITY COLLEGE**

Greenfield Community College and Massachusetts College of Art and Design, a public four-year college, have an academic collaboration to provide GCC students with the opportunity to take Bachelor of Fine Arts courses at the Greenfield campus. The program is offered on a part-time basis, with courses in drawing, painting, and photography.

For more information contact:
- Greenfield Community College, Humanities Office (413) 775-1221, hwang-carlos@gcc.mass.edu, http://hum.gcc.mass.edu/
- Mass College of Art and Design, Continuing Education (617) 879-7200, continuing_education@massart.edu, http://www.massart.edu/ce/
Credit Courses

- Accounting
- Agriculture
- American Sign Language
- Anthropology
- Art Critical Studies
- Art History
- Art
- Biology
- Business
- Chemistry
- College Orientation Series
- Computer Information Systems
- Criminal Justice
- Dance
- Economics
- Education
- Emergency Medical Services
- Engineering
- English
- English for Speakers of Other Languages
- Environmental Studies
- Fire Science Technology
- Folklore
- French
- Geography
- Geology
- Healing Arts
- Health Fitness and Wellness
- Health Science
- History
- Human Development
- Human Services
- Humanities
- Interdisciplinary Studies
- Latin
- Leisure Education
- Mathematics
- Medical Office Management
- Music
- Applied Music
- Nursing
- Outdoor Leadership
- Peace and Social Justice
- Personal Communication Skills
- Philosophy
- Physics
- Political Science
- Psychology
- Science
- Sociology
- Spanish
- Theater
- Women's Studies
This section contains descriptions of the College’s approved credit courses. Developmental courses use numbers 090-096 and may not be used to fulfill associate degree or certificate requirements; introductory level and first-year courses use numbers 100-199; intermediate level and advanced level courses use numbers 200-299.

* A course with an asterisk meets the University of Massachusetts social and cultural diversity requirement. Students who transfer to the University without completing a designated MassTransfer associate degree will have to complete one course that focuses on diversity in the United States and one course that focuses on global diversity. Students who elect to finish the MassTransfer block option only must fulfill the U.S. and global diversity requirement at the University if it’s not completed at GCC.

The college does not offer all courses every semester. The course descriptions indicate whether a course is offered; every fall, every January intersession, every spring, and/or every summer; or whether it is offered periodically. Students should visit https://mygcc.mass.edu or refer to the Course Guide published in the spring, summer, and fall to determine whether a course labeled periodic is offered that term.

The college makes every effort to offer courses as indicated in this Catalog. Occasionally, there are changes to our curriculum which occur after the Catalog is published. For up-to-date information, visit our website: www.gcc.mass.edu.

**ACCOUNTING**

**ACC 121 Principles of Financial Accounting I 4 cr**
An introduction to accounting principles and theory for the sole proprietorship. The course concentrates on the recording of business transactions through the accounting cycle, from journalizing, posting, adjusting, and closing to the preparation of financial statements. Additional topics include merchandise and inventory accounting. Credit may be granted for ACC 121 or ACC 151 but not for both. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

**ACC 122 Principles of Financial Accounting II 4 cr**
A continuation of ACC 121. Topics include internal control and accounting for cash, accounts receivable, property and equipment and related depreciation, intangible assets, long term liabilities, accounting for a partnership and corporation, payroll accounting, and preparation of the cash flows statement. The student completes an electronic practice set. Credit may be granted for ACC 122 or ACC 152 but not for both. (Offered: Every Spring)
Prereq: ACC 121

**ACC 151 Concepts of Financial Accounting I 3 cr**
An introduction to accounting principles and theory for the corporation. The course concentrates on the recording of business transactions through the accounting cycle, from journalizing, posting, adjusting, and closing to the preparation of financial statements. Additional topics include merchandise and inventory accounting. The course also focuses on how general purpose financial statements communicate information about the business corporation’s performance and position for users of financial statements. Credit may be granted for ACC 151 or ACC 121 but not for both. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

**ACC 152 Concepts of Financial Accounting II 3 cr**
A continuation of ACC 151. Topics include internal control and accounting for cash, accounts receivable, property and equipment and related depreciation, intangible assets, long term liabilities, accounting for a partnership, payroll accounting, and preparation of the cash flows statement. The student completes a detailed analysis of a corporate annual report with an emphasis on the analysis and interpretation of financial information. Credit may be granted for ACC 152 or ACC 122 but not for both. (Offered: Every Spring)
Prereq: ACC 151

**ACC 203 Management Accounting 3 cr**
An introduction to the process of gathering and analyzing accounting data for use by managers in planning, decision-making, and controlling. Topics include basic cost concepts, cost-volume-profit relationships, relevant cost decisions, capital investment decisions performance evaluation, and budgeting. The student uses spreadsheet software. (Offered: Every Fall)
Prereq: ACC 152 or ACC 122; CS 140 or permission of instructor

**ACC 207 Financial Accounting Systems and Procedures 3 cr**
The capstone course in financial accounting for students graduating with an Associate of Science in Accounting. Topics include the adjusting process, finding and correcting accounting errors, calculation of depreciation for both book and tax purposes, payroll administration, inventory systems and controls and internal control concepts and techniques. Students discuss and analyze current accounting and tax issues. Successful completion of this course qualifies the student to sit for the Certified Bookkeeper Examination issued by the American Institute of Professional Bookkeepers. (Offered: Every Spring)
Prereq: ACC 122

**ACC 208 Introduction to Federal Income Taxes 3 cr**
Acquaints the student with the federal income tax system. The course emphasizes the basic concepts of income recognition, deductible business and non-business expenses, and special tax calculations. Students learn identification of the tax issues and proper research techniques for solving tax problems. (Offered: Every Fall)
Prereq: ACC 122

**ACC 209 Introduction to Income Tax Preparation 1–3 cr**
A practicum in income tax preparation. The course provides training in tax preparation procedures and prepares the student for the VITA (Volunteer Income Tax Assistance) course examination. Upon successful completion of the VITA exam, the student performs community service in cooperation with the Internal Revenue Service and the Massachusetts Department of Revenue by filing out federal and state income tax returns for area residents. The students contract with the instructor to earn from one to three credits. (Offered: Every Spring)
Prereq: ACC 208

**ACC 210 Introduction to Computerized Accounting 3 cr**
An introduction to computerized accounting systems. The course provides the student with the knowledge and skills to bridge the gap between a manual accounting system and a computerized system. The course utilizes commonly available commercial accounting software. (Offered: Every Fall)
Prereq: ACC 122 or ACC 152

**AGRICULTURE**

**AGR 110 Beekeeping 1 cr**
Provides strategies and techniques for the beginner beekeeper. Topics include: hive construction, life cycle of the honey bee, hive management through the seasons; threats to the health and wellness of bees, diverse approaches and the joys of beekeeping. Special Requirement: Must possess physical ability to use hand tools. Field trip required. NOTE: Students work with bees. (Offered: Periodically)
Prereq: None
AGR 111  Four Season Farming  1 cr
Explores strategies for extending growing seasons into the fall and winter; Topics include: hoophouses, coldframes, raised beds, mulch, managing seasonal crops, frost proofing, cold hardy crops, early spring greenhouse management, winter snow removal, and seed germination under unheated conditions. Special Requirement: Must possess physical ability to use hand tools. Field trip required. (Offered: Periodically)
Prereq: None

AGR 112  Food Preservation and Storage  1 cr
Provides strategies and techniques for preserving and storing food. Topics include: kitchen safety, rules for food safety, canning basics, dehydration, cold storage and freezing, food selection, choosing and maintaining equipment, and awareness of local food resources. Special Requirement: Must possess physical ability to use kitchen tools (Offered: Periodically)
Prereq: None

AMERICAN SIGN LANGUAGE

ASL 101  Elementary American Sign Language I  4 cr
Presents basic grammatical rules in the use of American Sign Language. The course covers basic ASL vocabulary, manual alphabet/numbers, visual-gestural communication, and information related to deaf culture. Students develop basic competence in receptive and expressive use of ASL. Students and teacher use ASL in the class to communicate. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

ASL 102  Elementary American Sign Language II  4 cr
A continuation of ASL 101, designed to further develop students’ proficiency infrequently used signs. The course offers students the opportunity for individual hands-on experience in language learning. The course emphasizes a study of cultural behaviors, values, and norms. The course uses video text to improve conversational skills and preserve the integrity of the language. Students and teacher use ASL in the class to communicate. (Offered: Every Fall, Every Spring)
Prereq: ASL 101 or equivalent, or permission of instructor

ASL 201  Intermediate American Sign Language I  4 cr
Offers the student continuing opportunities for hands-on experience in language learning. A critical component of the course is the use of video text to improve conversational skills and preserve the integrity of the language. The course emphasizes a deeper understanding of Deaf norms, allowing students to learn appropriate behavior in order to function comfortably in a wide variety of situations in the Deaf community. (Offered: Periodically)
Prereq: ASL 101 and 102, or permission of instructor

ANTHROPOLOGY

ANT 103  Introduction to Physical Anthropology  3 cr
The human species’ place in nature from an evolutionary and ecological perspective; the interaction between biology, culture, and environment in shaping human evolution and human adaptive patterns; the significance of racial classifications and modern theories of variation. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

ANT 104  Cultural Anthropology: Tribes, States and the Global System  *  3 cr
An introduction to basic concepts of cultural anthropology. Students compare cultures of increasing scale and investigate specific universal issues related to why cultures change, who benefits from such change, and the costs of such changes. The course begins with an introduction to anthropological fieldwork, and continues with the description and analysis of different cultures representing domestic-scale autonomous tribal societies; politically organized, class-based systems and ancient empires; and global, industrial market based civilizations. (Offered: Every Fall, Spring & Summer)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

ANT 204  Discovering Culture: Adventures in the Field  3 cr
A hands-on approach to the study of culture through ethnographic fieldwork. The course covers reading and analysis of selected ethnographies with emphasis on learning about anthropology by going into the field and doing original work. Learning tasks focus on applied understanding of the culture concept by using various fieldwork methods, adapting to the field setting (selecting a cultural scene and making contact with informants), doing fieldwork (gathering and recording cultural data), and describing a culture (analyzing the data and writing a cultural description). (Offered: Periodically)
Prereq: ANT 104 and ENG 112, 114, or 116

ART CRITICAL STUDIES

ACS 200  Professional Art Practices  3 cr
An examination of the visual arts beyond the studio. Study includes creative career paths available to the artist, application processes, the writing of artist statements, portfolio documentation and presentation. Class participates in Art Department gallery events and museum/gallery visits. (Offered: Every Fall)
Prereq: ENG 101, 103, or 105 and two 200-level ART studio courses or permissions of the instructor

ART HISTORY

AHS 101  Art History Survey I  3 cr
A survey of the history of art from pre-history through the Gothic period. Topics include an introduction to the vocabulary of art through contemporary forms, with an emphasis on developing visual awareness of formal elements, aesthetics, and the components of style; examination of the role of the artist in society and culture; and of the importance of art throughout human history. NOTE: Credit can be granted for ART 103 or AHS 101, but not for both. (Offered: Every Fall, Every Spring)
Prereq: ENG 101, 103, or 105 or concurrent enrollment

AHS 102  Art History Survey II  3 cr
A survey of the history of art from the early Renaissance in Europe to the contemporary International scene. Topics include the study of art from non-western cultures; an examination of the role of the artist in society and culture; and of the importance of art throughout history. NOTE: Credit can be granted for ART 104 or AHS 102, but not for both. (Offered: Every Fall, Every Spring)
Prereq: ENG 101, 103, or 105 or concurrent enrollment

AHS 107  History of Modern Art  3 cr
A survey of modern art from Post-Impressionism to the present. Topics include major expressions in painting, sculpture, performance, installation, architecture; an examination of the role of the artist in society and culture; and of the importance of art throughout modern history. NOTE: Credit can be granted for ART 107 or AHS 107, but not for both. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

AHS 108  History of Photography  3 cr
An introduction to the history of photography from pre-photographic times to its most recent developments. This course presents an overview of major photographers and trends, technological developments, and stylistic analysis. Students examine the social and cultural contexts of photography, as well as critical approaches to photography and the relationship of photography to other art forms. NOTE: Credit can be granted for ART 108 or AHS 108, but not for both. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores
Credit Courses

ART 121 Visual Concepts I 3 cr
Introduces the visual language of art-making and the principles of design. The course emphasizes problem-solving through the investigation of composition, spatial issues, the perceptual use of color and the development of visual ideas in 2D, 3D, and time. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 (COL 090) or concurrent enrollment or satisfactory placement test score; Recmm: ENG 090 or satisfactory placement test score

ART 123 Visual Concepts II 3 cr
Continues to develop proficiency in visual problem-solving through the investigation of composition, spatial issues, the perceptual use of color and the development of visual ideas in 2D, 3D, and time. Students produce a portfolio of work that demonstrates a critical understanding of the principles of design. (Offered: Every Fall, Every Spring)
Prereq: ART 121

ART 125 Three-Dimensional Design 3 cr
An exploration of three-dimensional space. The students apply design principles in relation to height, width, and depth. The course emphasizes conceptualization and problem solving. (Offered: Every Fall, Every Spring)
Prereq: ART 121; Recmm: ART 131

ART 131 Drawing Foundation 3 cr
Presents a series of problems to acquaint the student with perceptual and inventive skills in drawing. The course introduces the visual language, drawing materials, and techniques while examining ways of implying space on a two-dimensional surface. (Offered: Every Fall, Every Spring)
Prereq: ENG 094 (COL 090) or concurrent enrollment or satisfactory placement test score; Recmm: ENG 090 or satisfactory placement test score

ART 132 Drawing II 3 cr
A continuation of Drawing I with emphasis on perceptual and inventive skills. (Offered: Every Fall, Every Spring)
Prereq: ART 131

ART 141 Color 3 cr
An exploration of the perceptual characteristics of color. Students develop sensitivity to color through direct visual experiences and practice. The course emphasizes color mixing and interaction in application. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; Recmm: ART 121

ART 151 Photography Foundation 3 cr
Introduces the visual, critical, and technical issues of photography. Students learn the essential aspects of camera control and functionality leading to the production of a body of printed work. Special Requirement: Students must provide their own digital camera, preferably with shutter speed and f-stop controls. (Offered: Every Fall, Every Spring)
Prereq: ENG 094 (COL 090) or satisfactory placement test score; Recmm: ART 121 and ENG 090 or satisfactory placement test score

ART 152 Film and the Darkroom 3 cr
Introduces the visual, critical, and technical issues of darkroom-based black and white photography. The course covers the essential aspects of camera control and functionality when working with film and chemistry. Students produce a portfolio of silver gelatin prints. Special Requirement: Students must provide their own non-digital camera, preferably with shutter speed and f-stop controls. (Offered: Every Fall, Every Spring)
Prereq: ART 121 and ART 151

ART 155 Video Foundation 3 cr
An art-based introduction to digital video. Topics include instruction in the use of digital video cameras, non-linear editing platforms, and digital sound. Students study video as a form of artistic expression with an emphasis on the development of the compositional, shooting, editing, conceptual, and critical skills associated with time-based media. (Offered: Every Fall, Every Spring)
Prereq: ENG 094 (COL 090) or satisfactory placement test score; Recmm: ART 121 and ENG 090 or satisfactory placement test score

ART 161 Computer Arts Foundation 3 cr
Introduces the computer as a medium for the creation of works of art. Students work through a series of problems that investigate different approaches to the medium providing a solid foundation in computer-based creation. (Offered: Every Fall, Every Spring)
Prereq: ENG 094 (COL 090) or satisfactory placement test score; Recmm: ART 121 and ENG 090 or satisfactory placement test score

ART 173 Digital Design 3 cr
An exploration of the tools and processes of digital design. The course emphasizes development of strong visual and technical skills in digital design, layout, and illustration. (Offered: Every Spring)
Prereq: ART 121 and ART 161

ART 222 Visual Concepts III 3 cr
A culminating experience shared by visual arts majors. The course emphasizes the critical examination of the formal and conceptual elements of design as they apply to the content of diverse media. Students present and critique work in progress on a weekly basis. (Offered: Every Fall, Every Spring)
Prereq: ART 123 plus two courses from one of the Art/Visual Arts program concentration requirements: Photography, Video, Computer Arts, or Painting & Drawing

ART 225 Three-Dimensional Design II 3 cr
A continuation of ART 125. Three-Dimensional Design with emphasis on three-dimensional form in relation to site and space. Students use various materials, technologies, and design processes, and explore concepts through the process of drawing. (Offered: Every Fall, Every Spring)
Prereq: ART 125 and ART 132

ART 232 Thematic Drawing 3 cr
Emphasizes structure, organization, approach, problem solving, and expressive concerns as they relate to thematic development in drawing. (Offered: Periodically)
Prereq: ART 131 and ART 141
ART 235  Figure Drawing  3 cr  
An introduction to figure drawing. This course emphasizes observational drawing skills through an investigation of the human form, its underlying anatomical structure, and its spatial environment. (Offered: Every Fall) 
Prereq: ART 121 and ART 132, or permission of the instructor

ART 236  Figure Drawing II-A  3 cr  
Focuses on drawing from the model with emphasis on gesture, proportion, foreshortening, and composition. (Offered: Every Spring) 
Prereq: ART 132 and ART 235

ART 237  Figure Drawing II-B  3 cr  
A continuation of ART 236, Figure Drawing II-A, with emphasis on the development of a cohesive body of work. (Offered: Every Spring) 
Prereq: ART 236

ART 238  Perspective Drawing  3 cr  
Introduces principles of perspective drawing. The course emphasizes diminution, foreshortening, and convergence. Students explore drawing problems involving determining height, width and depth, and the study of light and shadow in the spatial field. (Offered: Periodically) 
Prereq: ART 131

ART 241  Painting  4 cr  
Introduces the medium and craft of painting. The course includes study in the mixing and application of color; construction of canvases and other painting supports. The course emphasizes composition and image development. (Offered: Every Fall, Every Spring) 
Prereq: ART 123 and ART 132

ART 242  Painting and Drawing I  3 cr  
An investigation of interrelationships of painting and drawing. Students work through a series of problems addressing formal and conceptual issues. The course emphasizes the development of an individual, cohesive body of work. (Offered: Every Fall, Every Spring) 
Prereq: ART 241

ART 243  Painting and Drawing II  3 cr  
A continuation of ART 242, Painting and Drawing I, with emphasis on the development of an individual, cohesive, portfolio of work. (Offered: Every Fall, Every Spring) 
Prereq: ART 242

ART 251  Intermediate Photography  3 cr  
Emphasizes the range of possibilities in photography, including film, digital, and the exploration of experimental processes. Students explore their interests through a project orientation and discuss issues and methodologies that concern the contemporary photographer. Special Requirement: Students must provide their own camera with shutter speed and f-stop controls. (Offered: Every Fall, Every Spring) 
Prereq: ART 152 or ART 151 and permission of the instructor

ART 252  Intermediate Photography II  3 cr  
Continuation of ART 251 Intermediate Photography. Students discuss and analyze the photographic image in greater depth than in previous coursework and go on to create an individualized photography portfolio demonstrating a critical understanding of the issues inherent in developing a cohesive body of work. Special Requirement: Students must provide their own camera with shutter speed and f-stop controls. (Offered: Every Fall, Every Spring) 
Prereq: ART 251

ART 255  Video Art  3 cr  
An exploration of video as a medium for artistic expression. Students strengthen their conceptual, critical, technical and observational skills through the creation of a series of short video works that explore a single theme of their choosing. (Offered: Every Spring) 
Prereq: ART 155

ART 256  Video Portfolio  3 cr  
A continuation of ART 255, Video Art. Students produce a series of thematically linked video works that display a level of critical thinking and technical achievement beyond that of previous work. Students develop a video portfolio composed of previous and new work and refine and expand their understanding of, and ability to create video for artistic expression. (Offered: Every Spring) 
Prereq: ART 255 or permission of Art department chair

ART 261  Digital Photography  3 cr  
An exploration of the language and processes of digital photography. The course covers scanning, manipulation, and printing of photographic images using the computer and related resources. Students explore their interests through a project orientation. Special Requirement: Students must provide their own camera with shutter speed and f-stop controls. (Offered: Every Fall) 
Prereq: ART 251

ART 263  Web Site Design  3 cr  
An introduction to the language, tools, methods, and philosophies relative to planning, designing, creating, and publishing web sites. Students develop their own DH/HTML/CSS-based web sites using contemporary industry-standard software. (Offered: Every Fall, Every Spring) 
Prereq: ART 161

ART 264  Flash Site Design  3 cr  
An introduction to the language, tools, methods and philosophies relative to designing, creating, and publishing animated and interactive web sites. Students design and develop Flash-based web sites on a chosen theme. (Offered: Every Spring) 
Prereq: ART 161

ART 268  3D Computer Graphics  3 cr  
Builds on the fundamental principles studied in ART 161 Computer Arts Foundation. Students continue study of the concepts and techniques of computer-based three-dimensional modeling and animation. (Offered: Every Fall) 
Prereq: ART 161

ART 269  3D Animation  3 cr  
An introduction to the fundamental concepts and techniques of computer-based three-dimensional animation. Students use professional 3D software to create models and environments as the basis for animation. (Offered: Every Spring) 
Prereq: ART 268

ART 271  Graphic Design I: Typography  3 cr  
An exploration of typographic elements and their application to various forms of visual communication. Building on established visual principles, students investigate problems in typographical structure, sequence, and communication effectiveness. 
Prereq: ART 121, ART 131, and ART 173

ART 272  Graphic Design II: Problems in Design  3 cr  
Explores problems in graphic design requiring practical solutions with visual integrity. Students integrate text, image, and color utilizing traditional and computer processes. 
Prereq: ART 271

ART 273  Image and Text  3 cr  
Addresses issues inherent in combining image and text. Students explore the voice and content of the written word when combined with visual imagery, and vice-versa, through the production of a thematic body of work. (Offered: Periodically) 
Prereq: ENG 101, 103, or 105; ART 123; one 200-level art studio course within major concentration; and ART 151, ART 161, or ART 155
ART 290  Projects in Media  3 cr
Builds on prior studio experience within a student’s visual arts concentration. Each student produces a body of thematically linked works that display an advanced level of critical thinking and technical achievement. Students and faculty use regular class meetings for critical discussion and review of work. Student produce work outside of class time. (Offered: Every Fall)
Prereq: Two courses from one of the Art/Visual Arts program concentration requirements: Photography, Video, Computer Arts, or Painting & Drawing.

ART 291  Fine Arts Seminar  3 cr
Designed for students nearing completion of their course work in the Fine Arts programs. Working independently, each student produces a thematically oriented body of work suitable for inclusion in a transfer or employment portfolio, or for exhibition purposes. Students work outside of class; students and faculty use regular class meetings for critical discussion and review of work. (Offered: Periodically)
Prereq: Completion of a minimum of three 200-level art studio courses, or permission of the instructor.

BIOLOGY

BIO 101  Zoology  4 cr
An exploration of major groups of animals through studying how representative species carry on life sustaining functions such as reproduction, feeding, waste removal, response to stimuli, and respiration. Students study the classification of animals and how they relate to their environment. In the laboratory, students study the structure and behavior of preserved and live animals from each of the major groups. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

BIO 102  Botany  4 cr
An introduction to the study of plants through exploring the structure and function of roots, stems, leaves, flowers, fruits, and seeds. Students study the processes of reproduction, respiration, photosynthesis, and inheritance. In the laboratory, students study the structure and function of live and preserved plant materials as they relate to lecture subjects. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

BIO 103  Ecology  4 cr
Environmental studies with emphasis on concepts of ecology, conservation of natural resources and their relationship to the quality of life. Lab sessions focus on forest, field, stream, and pond habitats, with field trips to local sites. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

BIO 104  Natural History  4 cr
An introductory study of plants and animals in their natural environment including the historical and biological processes that have led to the present day landscape of southern New England. Topics may include a survey of local flora and fauna, species identification, survival strategies, conservation, evolution, disturbance history and interpretation, biodiversity, animal tracks and sign, water resources and food webs. Field trips to local natural history sites and a project focusing on a natural area enhance student observation skills and understanding of class topics. (Offered: Every Fall)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores

BIO 108  Human Systems  3 cr
Presents a comprehensive examination of human anatomy and physiology with particular emphasis on the cardiovascular and respiratory systems. It highlights the anatomy and physiology of the central nervous system, as well as the autonomic and somatic peripheral nervous systems. This course surveys other body systems, including topics in geriatrics and infection control. The course satisfies course requirement for PMC Advanced Life Support students. It does not satisfy course requirement for LPN, ADN, and MTC students. PMC students must receive a minimum final grade of "C" in this course to maintain eligibility in the Paramedic Certificate Program. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

BIO 120  Introduction to Environmental Science  4 cr
Provides an overview of the principles of environmental sciences with the overall objective of increasing student awareness and understanding of regional, national, and global environmental issues. Students focus on environmental problems, ecological principles, human population, natural resources, environmental quality, pollution, biodiversity, and conservation. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

BIO 122  Freshwater Ecology  4 cr
Provides an overview of the ecology of freshwater habitats and freshwater organisms. The course emphasizes the study of wetlands (marshes, bogs, swamps and vernal ponds), streams, rivers, ponds, lakes and the biological communities (including plants, insects, fish, reptiles and amphibians) that they support. Students utilize fish-stocked recirculating tanks to conduct experiments and study the science of aquaculture (aquatic plant and animal farming). Students study the composition and conditions of freshwater habitats and go on field trips to different freshwater sites. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

BIO 124  Introductory Horticulture  4 cr
Provides knowledge on how to propagate and care for plants through experiences with soils, seeds, bulbs, potting, watering, pruning, dividing, terrariums, and fertilizers. Students learn how to design and manage a vegetable garden for maximum harvest. The laboratory sessions provide experiences with plants, such as mixing soil, planting seeds, taking cuttings, potting up plants, fertilizing plants, plant growth, constructing terrariums, and a trip to a local plant growing business. NOTE: Credit can be granted for BIO 111 or BIO 124, but not for both. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

BIO 126  Biology I  4 cr
An introduction to the basic mechanisms of life. Major topics include the biochemical basis of life, cell structure, DNA structure and replication, protein synthesis, mitosis, meiosis, inheritance, respiration, photosynthesis, and biotechnology. Students use the scientific method in laboratory experiences that include selected topics in cell structure, cell functions, mitosis and meiosis, genetics, enzymes, respiration, photosynthesis, developmental biology, and microbiology. NOTE: Credit can be granted for BIO 119 or BIO 126, but not both. (Offered: Every Fall, Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores

BIO 127  Biology II  4 cr
An introduction to the major structures, functions, and ecology of plants and animals. Major topics include basic plant structures and their functions, basic animal structures and physiology, survey of major animal groups, survey of major plant groups, and ecology. Students use the scientific method in laboratory experiences that include selected topics in basic mammalian anatomy, nervous system and senses, musculoskeletal systems, seedless plants, seed plants, plant anatomy, selected invertebrates, chordates, evolution, and ecology. (Offered: Every Spring)
Prereq: BIO 126

BIO 130  Human Nutrition  3 cr
The study of nutrition and its application to good health and a sense of well being. Topics include the applications of nutrition to physical fitness, preventive medicine, and health care. NOTE: This course satisfies the four-credit laboratory science requirement only when combined with a successful completion of BIO 130L. (Offered: Every Fall, Spring & Summer)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores
BIO 130L  Human Nutrition Lab  1 cr
A laboratory supplement to BIO 130. This course introduces students to various biological and chemical aspects of nutrition using laboratory experiments designed to highlight specific nutrients and properties of foods. Students learn laboratory procedures and common techniques used by food scientists and chemists in the field of nutrition and food science. NOTE: This course satisfies the four-credit laboratory science requirement only when combined with a successful completion of BIO 130. (Offered: Every Fall, Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores and BIO 130 concurrently or satisfactory completion.

BIO 132  Lifestyle, Health, and Medicine  4 cr
An investigation into the impact of lifestyle on the human body with an emphasis on the treatment of lifestyle related disease. Topics include an overview of physiology, metabolism, stress, nutrition, and exercise. Topics relate to the treatment of obesity, heart disease, hypertension and type II diabetes. Students apply class knowledge to emerging trends in the business of medicine. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; MAT 105 or satisfactory placement test score or permission of instructor.

Note to Practical Nursing (PNC) graduates who intend to enter the Associate Degree Nursing (ADN) program:

PNC graduates who have completed BIO 117 or BIO 194 with a B or better can complete the anatomy and physiology sequence required for the ADN program by taking BIO 195 and 196. PNC graduates who receive a grade lower than a B in BIO 117 or BIO 194 and all other Health Occupations students have to take both BIO 195 and 196 to qualify for the ADN program. Five (5) year currency or currency exam is required for all anatomy and physiology courses. Please contact the ADN program for more information.

BIO 194  Comprehensive Anatomy and Physiology  4 cr
The study of human anatomy and physiology with emphasis on anatomy. Students study the anatomy of the nine organ systems using the structure to underscore the function of body parts and their relationships to each other. This is a lab course. NOTE: Students can earn graduation credit for only one of the following: BIO 105 or BIO 107 or BIO 117 or BIO 194 or BIO 195. Students can earn graduation credit for BIO 106 or BIO 196, but not both. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

BIO 195  Human Anatomy and Physiology I  4 cr
A first semester of a comprehensive study of the anatomy and physiology of the human body, including biochemistry, cell anatomy and physiology, histology, the skeletal system, articulations, muscle anatomy and physiology, neurophysiology, the anatomy of the central and peripheral nervous systems, the anatomy and physiology of the special senses, and the neural integration. This is a lab course that requires animal tissue dissection. NOTE: Students can earn credit for only one of the following courses: BIO 105 or BIO 107 or BIO 117 or BIO 194 or BIO 195. Students can earn graduation credit for BIO 106 or BIO 196, but not both. (Offered: Every Fall, Every Spring)
Prereq: College Biology within the past ten years or BIO 126; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

BIO 196  Human Anatomy and Physiology II  4 cr
A second semester of a comprehensive study of the anatomy and physiology of the human body, including endocrinology, blood, cardiovascular anatomy and physiology, lymphatic system, immunity, respiratory anatomy and physiology, digestive anatomy and physiology, metabolism, urinary anatomy and physiology, fluid dynamics, reproductive anatomy and physiology, genetics, and development. This is a lab course that may require animal tissue dissection. NOTE: Students can earn graduation credit for BIO 106 or BIO 196, but not both. (Offered: Every Fall, Spring & Summer)
Prereq: BIO 195 and BIO 126 or a college level equivalent; or BIO 117 or BIO 194 with a grade of B or better within the past five years and BIO 126 or a college level equivalent.

BIO 205  Microbiology  4 cr
An introduction to the biology of microorganisms with emphasis on the properties of microorganisms and their relation to disease. Lab required. (Offered: Every Fall, Spring & Summer)
Prereq: BIO 126 or BIO 194 or BIO 195

BUS 105  Personal Financial Literacy  3 cr
Fundamentals of financial planning are presented to prepare students to make informed choices related to spending, saving, borrowing, and investing that lead to long-term financial security. Students learn to identify and evaluate choices as well as understand the consequences of their decision. Topics include the management of personal and family finances, budgeting, consumer buying, personal credit, savings and investment, home ownership, insurance and retirement planning. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; MAT 090 or placement by examination.

BUS 111  The Contemporary Business World  3 cr
For students from any field of study who want to prepare themselves for employment, entrepreneurship, or simply informed, consumer decision-making. The course introduces students to the contemporary context for business practices by exploring topics related to globalization, business ethics, entrepreneurship, business plan development, strategic planning, management, marketing, finance and personal investing. The course focuses on the global, national, local, and personal perspectives of business. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

BUS 112  Introduction to Hospitality and Tourism  3 cr
An introduction to the scope, components, development, effects, and future of the hospitality industry. Topics include background on industry structure and overviews of specialized areas relating to the management of food service, lodging, travel, and event planning operations. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

BUS 116  E-Commerce  3 cr
For students interested in entrepreneurship, management, or marketing careers. This course is an exploration of the strategic, technical, and legal considerations of conducting business via the internet. Students investigate business-to-business and business-to-consumer models; identify necessary computer technologies and needed skill sets; explore methods for branding, communicating and persuading via internet marketing; examine database management requirements; and identify legal considerations. (Offered: Every Fall & January)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; Recmm: Competency in word processing and spreadsheet operation.

BUS 119  Principles of Real Estate  3 cr
Surveys the principles of real estate. Designed for those who want to know more about the field for personal knowledge or for possible employment. Of help to those who intend to take a state real estate examination. Includes the legal, financial, brokerage, marketing, and other important aspects of the real estate business. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

BUS 123  Business Communications  3 cr
An introduction to best practices in business communication strategies. Topics include planning, organizing, and writing business documents for various audiences: effective grammar; listening techniques; interviewing; and oral communication strategies. Students prepare emails, memos, letters, format proposals, cover letters and resumes. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.
CHE 110  Basic Principles of Chemistry 3 cr
A survey course for students interested in the basics of chemistry from a descriptive point of view. Topics include matter, properties of families of compounds and their characteristic compounds, mixtures, acids and bases, chemical reactions, introductory biochemistry, and environmental effect of chemistry. This course could be the basis for coursework in selected technical areas but is not a substitute for CHE 111, 112. (Offered: Every Fall, Spring & Summer)
Prereq: ENG 090, ENG 094 (COL 090), and SAT 090, or satisfactory placement test scores

CHE 111  General Chemistry I 4 cr
Theoretical and descriptive topics of chemistry, including nature of matter, atomic and molecular structure, nuclear stability, periodic properties of the elements, chemical bonding, nomenclature, stoichiometry, gaseous, liquid, and solid states, and thermochemistry. Lab required. (Offered: Every Fall, Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), SAT 090, or satisfactory placement test scores
Credit Courses

COMPUTER INFORMATION SYSTEMS

CIS 096  Keyboarding for Information Processing  1 cr
An introduction to basic keyboarding skill by touch. Students learn to input alphanumeric information quickly and accurately. Additional topics include the basic vocabulary and concepts of keyboarding operations. Graded credit/no credit. (Offered: Every Fall, Every Spring)
Prereq: None

CIS 110  Introduction to Computers  3 cr
An introduction to computer use for students with little or no experience. The course includes vocabulary, the components of the computer and peripherals, the basics of creating and printing a text document, how to transfer and organize files, manipulate graphics, use e-mail, and avoid viruses. Other topics include: how to search for and evaluate information on the Internet; conduct research on the Internet; avoid Internet scams and identity theft; download and install software; and basic trouble-shooting. NOTE: This course does not satisfy Program Elective or CIS elective requirements in any Business program. (Offered: Every Fall, Every Spring)
Prereq: None

CIS 115  Introduction to Business Information Systems  3 cr
The application of computers to business and like organizations. Topics include: data processing systems, computer concepts, teleprocessing, business data base systems, distributed processing. Emphasis is on the use of microcomputers in business. Students complete hands-on exercises using current word processing, spreadsheet, and database software. Examines the role of management and the user in the development and operation of business computer systems. An appropriate beginning course for those contemplating careers in computing and business as well as those wishing to use the computer as a business tool. (Offered: Not offered-Articulation Only)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; MAT 105 (095) or equivalent

CIS 140  Microcomputer Software Tools I  3 cr
Provides students with an introduction to several major "productivity" programs used on microcomputers. Topics include the Windows operating system, word processing, electronic spreadsheet management and graph production using currently popular software packages, and some database management. This is a hands-on course. Special Requirement: Students not currently engaged in daily computer use should consider CIS 096 and CIS 110 prior to taking CIS 140. (Offered: Every Fall, Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores

CIS 141  Microcomputer Software Tools II  3 cr
Provides students with intermediate training in the use of word processing and electronic spreadsheet software. In addition to building upon software skills taught in CIS 140, Microcomputer Software Tools I, students learn the integration of data created in various programs and the development of presentation-quality output. Students use each application’s macro language to automate and customize documents, worksheets, and data entry operations. Students are introduced to graphics software used for business and multimedia presentations. (Offered: Every Fall, Every Spring)
Prereq: CIS 140

CIS 145  Relational Database Design and Application  3 cr
Provides a foundation in business information management, data mining and business intelligence using a relational database. Topics include the theory of managing data; planning and design of a database; creation, normalization and management of tables; design and development of queries to extract specific information and data; creation of reports and forms for controlling ease and accuracy of data entry; and use of macros to automate operations. Students learn to create, manage, and extract data from a variety of common business database applications. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; CIS 140 or permission of instructor

CIS 150  Programming Principles and Concepts  3 cr
Computer problem-solving principles and techniques for students contemplating a career in computer programming, or computer information systems. Structured problem-solving methods are introduced, including techniques for decomposing complex problems, and expressing the problem solutions in terms which can be expressed in any computer programming language. (Offered: Every Fall, Every Spring)
Prereq: MAT 106 (096) or equivalent; ENG 101, 103, or 105 or concurrent enrollment

CIS 151  Web Site Development  3 cr
A study of the creation of effective web sites and pages for use on the Internet or as an Intranet. Topics include: creating web sites and pages with a web site development tool; managing site presentation with Layers; block level elements and Cascading Style Sheets; Dynamic Web Templates; and behaviors. Students explore and modify HTML, CSS and JavaScript code, manage a web site’s associated files and folders; manage the web publishing client/server process and administration of a web site. Students create and enhance a number of web sites in this course. Students need dependable internet access as part of this course. (Offered: Every Fall, Every Spring)
Prereq: CIS 140, or CIS 150, or permission of instructor.

CIS 180  Network Workstation Administration  3 cr
Provides a basic working knowledge of installing, setting up, and administering workstations using a current operating system. Topics include installing and configuring workstations to operate on a variety of network topologies. Other topics include configuring protocols, security, sharing of resources, and allowing access to information. Students set up, debug, and troubleshoot actual workstation installations. (Offered: Every Fall)
Prereq: CIS 115, or CIS 140, or a CIS major

CIS 243  JavaScript  3 cr
An introduction to the fundamental applications of the JavaScript scripting language for the World Wide Web. Students modify existing functions and write their own to create user interfaces, animation, and interactive slideshows through extensive project-based assignments. The course includes study in the integration of jQuery libraries and Ajax. (Offered: Every Fall)
Prereq: CIS 150

CIS 245  Advanced Database Programming  3 cr
A continuation of CIS 145, Relational Database Design and Application. The student begins with advanced macro design, then is introduced to Access Basic (a 4GL version of Microsoft Visual Basic for Windows) in conjunction with built-in database tools. This is used by the student to create custom applications using the Microsoft Access relational database. Students complete a database term project. (Offered: Periodically)
Prereq: CIS 145

CIS 250  Advanced Basic  3 cr
A continuation of CIS 150, Programming Principles and Concepts. Students study additional command structures and coding techniques utilizing contemporary Basic software. The course emphasizes proper programming techniques and structure, and industrial practices. Teaching methodology includes lab activities, and problem solving, both individually and in small groups. Students complete extensive programming assignments. (Offered: Periodically)
Prereq: CIS 150 and CIS 145, or permission of instructor
CIS 251  Java Programming  3 cr
A study of computer programming using the Java language. The course emphasizes proper programming techniques and structure, and industrial practices. Teaching methodology includes lab activities, and problem solving, both individually and in small groups. Students complete extensive programming assignments. (Offered: Every Spring)
Prereq: CIS 150 or status as a second year engineering student

CIS 252  C++ Programming  3 cr
A study of computer programming using the C++ language. The course emphasizes proper programming techniques and structure, and industrial practices. Teaching methodology includes lab activities and problem solving, both individually and in small groups. Students complete extensive programming assignments. (Offered: Every Fall)
Prereq: CIS 150 or status of a second year engineering student

CIS 254  Data Structures  4 cr
Introduces and develops methods for designing and implementing abstract data types, using the Java programming language. The main focus is on how to build and encapsulate data objects and their associated operations. Specific topics include linked structures, recursive structures and algorithms, binary trees, balanced trees, and hash tables. Special Requirement: Enrollment requires permission of a Business or an Engineering Program Chair. (Offered: Every Fall)
Prereq: CIS 251 and MAT 107

CIS 280  Network Server Administration  3 cr
Provides instruction in the installation, configuration, and management of a local area network server using current industry server software. Topics include installation of software, configuration of software and common services, protection of data, client requirements and setup, setting up groups and users, managing and securing access to server files, remote access, and other topics. Students complete extensive hands-on lab activities and homework. (Offered: Periodically)
Prereq: CIS 180

CIS 281  Network Principles and Techniques  3 cr
An introduction to networking concepts, design essentials, media and hardware. Topics include coverage of the OSI and IEEE 802 models, network communications and protocols, network architectures, simple network operations, complex networks, network administration and support, enterprise and distributed networks, wide-area and large-scale networks, and network problem analysis and solution. Students complete hands-on lab experiences in the implementation of a variety of local area network designs and protocols. (Offered: Periodically)
Prereq: CIS 180

CIS 283  Linux  3 cr
Provides a basic working knowledge of the Linux operating system and an understanding of the Unix environment. Topics include installing Linux as a server; configuring Linux; managing users, the UNIX command line, file systems, security, Internet services (DNS, HTTP, SMTP, POP, SSH), and Intranet services (NFS, DHCP). Students set up, debug, and troubleshoot actual workstation installations. (Offered: Periodically)
Prereq: CIS 180 or permission of instructor

CIS 285  Managing Network Information Resources  3 cr
Provides instruction in the installation, configuration, and management of system-wide electronic messaging exchange software. Topics include understanding system architecture and messaging protocols, installation of system software, communication and information transfer; managing users, setting up and managing clients, messaging server management, internetwork connectivity and mail systems, system security, and other maintenance and connectivity issues. (Offered: Periodically)
Prereq: CIS 280

CIS 290  Systems Analysis and Design  3 cr
An investigation and analysis of the methods and techniques used by the systems analyst in analyzing present systems, whether manual or automated systems. The systems development life cycle is followed, from feasibility study through implementation. A major portion of the course is a case study involving the design of a microcomputer-based system for inventory and accounts receivable for a small business. (Offered: Periodically)
Prereq: CIS 115 or CIS 150

CRIMINAL JUSTICE

CRJ 101  Introduction to Criminal Justice  3 cr
Examines the agencies and processes involved in the criminal justice system, including but not limited to the legislature, the police, the prosecution, the defense, the courts, probation, corrections, and social service agencies designed to function in the context of the criminal justice system. The course examines public policy concerns the system is intended to address, with a special emphasis on the tension between public safety and the due process rights of the accused, and the role that class, poverty, race, gender and other statuses might play in the effectiveness of the criminal justice system. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

CRJ 103  Criminal Law  3 cr
Examines the legal definition of crime and defenses; the presumption of innocence and proof beyond a reasonable doubt; purposes and functions of substantive criminal law, including statutes, constitutions and criminal procedure; historical foundations of criminal law, and the limits of criminal law. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

CRJ 105  Police Process  3 cr
Provides the student an appreciation of the social and historical perspectives on American Policing. Topics include a critical study of the police role, career, discretion, values; normal and deviant behavior; ethical and moral issues; diversity, ethnicity, and race. The course analyzes the challenges of policing in a democratic society with a discussion of interagency relations. (Offered: Every Fall, Every Spring)
Prereq: CRJ 101 or permission of instructor. Recom: CRJ 103

CRJ 107  Adjudication Process  3 cr
Examines the role of prosecution, public defense and the courts; basic elements of the substantive criminal law; procedural law and its relation to constitutional guarantees; and an analysis of trial and pretrial process, case law, rules of evidence and the appellate process. (Offered: Every Fall, Every Spring)
Prereq: CRJ 101 and 103, or permission of instructor

CRJ 109  Corrections Process  3 cr
Examines post-conviction process; the development of correctional philosophy, theory and practice; management; and community-based correctional probation and parole. Special Requirement: Field trips required. (Offered: Every Fall, Every Spring)
Prereq: CRJ 101 or permission of instructor

CRJ 113  Juvenile Justice  3 cr
A study of the laws, agencies and processes involved in the juvenile justice system, including the police, the juvenile court, juvenile probation, corrections, as well as a sampling of the social service agencies that function in the context of the juvenile justice system. The course examines the three principle juvenile court systems: delinquency, care and protection, and the child in need of services. The course also explores various sociological and psychological perspectives on child development and socialization, with an emphasis on the roles of class, race, gender, and inculturation. (Offered: Every Fall)
Prereq: CRJ 101 or permission of instructor. Recom: PSY 101; SOC 101
DANCE

DAN 101 Introduction to Dance 3 cr
Provides students with an introduction to the fundamentals of dance, and exposure to a wide range of different styles of dance, both western and non-Euro-American. The course includes a daily technique class with instructor or guest teacher, lectures and class discussions, video viewing, and outside-of-class reading assignments. Styles of dance introduced and experienced in the course may include: jazz, ballet, African, tap, Middle Eastern dance, Isadora Duncan dance, social and folk dance, modern, Classical Indian dance, Renaissance, and Baroque dance. (Offered: Every Fall, January & Summer)
Prereq: None

DAN 102 Pilates Mat Work 1 cr
An introduction to the Pilates method of body conditioning. The Pilates method is a unique system of stretching and strengthening the muscles. The Pilates series of floor mat exercises strengthens and tones muscles, improves posture, flexibility and balance. The mat work movements and philosophy support an understanding of functional anatomy and reeducate the body about correct alignment. Through the work, students develop a strong center and suppleness. NOTE: Students may repeat this course once for a maximum of two credits. (Offered: Every Fall, Every Spring)
Prereq: None

DAN 103 Jazz Dance I 1–3 cr
An introductory course in jazz dance. Classes consist of a full body warm up, and basic dance exercises to improve strength, flexibility, balance, and coordination. Students learn and practice the movement vocabulary essential to the jazz style, including body isolations, propulsive and syncopated rhythms, and standard jazz style traveling steps. The course presents the history of jazz dance as a fusion form with African roots, and its impact on concert dance and the entertainment industry though lecture, video viewing, outside-of-class reading, and assigned performance attendance. NOTE: Students may earn a total of three credits in DAN 103. (Offered: Every Fall, Every Spring)
Prereq: None

DAN 104 Jazz Dance II 3 cr
A continuation of the study and practice of the basic elements of dance, with emphasis on movement vocabulary essential to the jazz style. The course presents the history of jazz dance as a fusion form with African roots, and its impact on concert dance and the entertainment industry through lecture, video viewing, outside-of-class reading, and assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: 3 credits of DAN 103, or permission of instructor

DAN 105 African Dance I 1–3 cr
An introductory course in African Dance. Students learn traditional movements, rhythms, and dances from a variety of African cultures and countries. Lectures on African history, geography, and culture provide a background for understanding the importance of dance in African life. Assignments may include attending performances outside of class. NOTE: Students may earn a total of three credits in DAN 105. (Offered: Periodically)
Prereq: None

DAN 106 African Dance II 3 cr
Continued practice of the traditional movements and dances of various African cultures. Increased emphasis on rhythmic awareness, coordination and performance style inherent in African dance. Lectures on African history, geography, and culture provide a background for understanding the importance of dance in African life. Assignments may include attending performances outside of class. (Offered: Periodically)
Prereq: 3 credits of DAN 105, or permission of instructor

DAN 107 Ballet 1 1–3 cr
An introduction to the study of classical ballet. Students learn the ballet terminology that denotes the traditional position of the feet, arms, and body, and the basic ballet steps. Each class includes barre work, center floor exercises to improve balance and coordination, and traveling across the floor combinations incorporating jumps and leaps. The course presents the rich history and theory of ballet, and its widespread cultural impact through lectures, video viewing, outside-of-class reading, and assigned performance attendance. NOTE: Students may earn a total of three credits in DAN 107. (Offered: Every Fall, Every Spring)
Prereq: None
DAN 108 Ballet II 3 cr
A continuation of the study of classical ballet. Students learn the ballet terminology that denotes the traditional position of the feet, arms, and body, and the basic ballet steps. Each class includes barre work, center floor exercises to improve balance and coordination, and traveling across the floor combinations incorporating jumps and leaps. The course presents the rich history and theory of ballet, and its widespread cultural impact through lectures, video viewing, outside-of-class reading, or assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: 3 credits of DAN 107, or permission of instructor

DAN 111 Modern Dance I 1–3 cr
An introduction to modern dance. Students learn the terminology and practice the fundamental movement vocabulary of modern dance. Classes consist of a full body warm-up, specific modern dance exercises, traveling step patterns, short dance combinations, and improvisational assignments. Class activities are designed to increase strength, flexibility, coordination, rhythmic awareness and musicality, and self expression. The course presents the history, theory and significance of modern dance through lectures, video viewing, outside-of-class reading, or assigned performance attendance. NOTE: Students may earn a total of three credits in DAN 111. (Offered: Every Fall, Every Spring)
Prereq: None

DAN 112 Modern Dance II 3 cr
A continuation of the study of modern dance. Students gain proficiency in movement fundamentals, learning and performing dance combinations and locomotor movements to various rhythms and styles of music in large and small groups. The course presents the history, theory and significance of modern dance through lectures, video viewing, outside-of-class reading, or assigned performance attendance. NOTE: Students may earn a total of three credits in DAN 112. (Offered: Every Fall, Every Spring)
Prereq: 3 credits of DAN 111, or permission of instructor

DAN 114 Tap Dance I 1–3 cr
Introduction to the basic tap dance steps and their style of performance, in conjunction with general concepts of dance technique. Students learn traditional tap-step patterns such as time steps and waltz clog, and short combinations. The course presents tap history, including its development as a fusion of African and European dance music forms through lectures, video viewing, outside-of-class reading and assigned performance attendance. NOTE: Students may earn a total of three credits in DAN 114. (Offered: Every Fall, Every Spring)
Prereq: None

DAN 115 Tap Dance II 3 cr
A continuation of the study of tap dance, with increasing complexity and length of patterns. Students focus on clarity of rhythm and tap sounds, and body coordination, while working on style and expression. The course presents tap history, including its development as a fusion of African and European dance music forms through lectures, video viewing, outside-of-class reading and assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: 3 credits of DAN 114, or permission of instructor

DAN 116 Middle Eastern Dance I * 1–3 cr
An introductory course in Middle Eastern Dance. Instruction includes the historical and social context in which the dance is traditionally performed, and general concepts of dance technique and practice. Students primarily learn Middle Eastern "Belly Dance," which functions as a form of social dance and/or entertainment. The class also studies regional or national dances, such as Lebanese debke, and dance steps to the 9/8 and 6/8 rhythms of Turkey and Armenia. Video viewing and outside-of-class reading assignments augment in-class practice. NOTE: Students may earn a total of three credits in DAN 116. (Offered: Every Fall, Every Spring)
Prereq: None

DAN 117 Middle Eastern Dance II * 3 cr
A continuation of the study of the movements, steps, and aesthetics of Middle Eastern Dance within the historical and social context in which it is customarily performed. Students refine their ability to perform traditional movements with emphasis on personal expression, correct performance style and quality, the ability to respond appropriately to various tempos, rhythms and meters, and the ability to learn choreographed dances or to improvise. Video viewing and outside of class reading assignments augment in-class practice. (Offered: Every Fall, Every Spring)
Prereq: 3 credits of DAN 116, or permission of instructor

DAN 120 World Dance and Culture * 3 cr
A global tour of dance as a universal element of human culture. Students learn how dance functions within different societies as celebration, religion and ritual, socialization and courtship, cultural/national identity and political strategy, and art and entertainment. Students examine selected dance forms from Africa, the Caribbean and Brazil, Asia, Europe and the United States, and Native American culture through outside reading, DVD/video viewing, and in-class discussion. This is a non-performance course. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

DAN 121 Dance History 3 cr
Survey course of the major events in the history of western theatrical dance. Topics covered include: Renaissance court dance, Baroque dance, Romantic, Classical, and Neo-Classical Ballet; Diaghilev's Les Ballets Russes; the emergence of modern dance in the 20th century; Black dance. Selected figures of dance history discussed, such as Louis XIV, Marie Taglioni, Isadora Duncan, Martha Graham, Katherine Dunham, George Balanchine. Class format includes lecture, outside reading and in-class video and film viewing. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

DAN 130 Choreography/Performance 3 cr
A study of the theory and practice of choreography. Students create their own dances, both solo and group pieces. The course explores the use of a variety of musical styles as accompaniment for dance, as well as other forms of accompaniment such as text or poetry. Students refine and rehearse selected dances to be performed in the semester's dance concert. Student choreographers gain practical experience in the complete production of their dances, such as selection of appropriate costume, music, and light effects. (Offered: Periodically)
Prereq: Concurrent enrollment in a dance studio course

DAN 183 Ballroom Dance: American Smooth Style 1 cr
Provides physical enjoyment to participants through the performance of the specific rhythms and movements of American smooth style dancing and social interaction through group participation. Topics include the fundamentals of waltz, fox trot, jitterbug (swing), with an emphasis on dance positions, leading and following, and dance etiquette. NOTE: Students may repeat this course once for a maximum of two credits. Special Requirement: Lightweight shoes with non-skid soles. (Offered: Every Fall, Spring & Summer)
Prereq: None

DAN 184 Ballroom Dance: Latin Style 1 cr
Provides physical enjoyment to participants through the performance of the specific rhythms and movements of Latin style dancing and social interaction through group participation. Topics include the fundamentals of rumba, cha cha, and tango with an emphasis on dance positions, leading and following, and dance etiquette. NOTE: Students may repeat this course once for a maximum of two credits. Special Requirement: Lightweight shoes with non-skid soles. (Offered: Every Fall, Spring & Summer)
Prereq: None
Credit Courses

DAN 201  Dance Repertory Group: Mixed Company  3 cr
Provides an opportunity for students to learn, rehearse, and perform in a variety of styles in area schools, community centers, and at special events. When appropriate, students assist in teaching dance classes and give lecture/demonstrations. Students perform and rehearse outside of class. NOTE: The course may be repeated for a maximum of 6 credits. (Offered: Periodically)
Prereq: Open to students by audition or permission of Dance Program Coordinator. 
Recomm: Concurrent enrollment in a dance studio course.

DAN 203  Jazz Dance III  3 cr
An intermediate course in jazz dance. Students continue to refine skills and movement vocabulary of the jazz style. Increased emphasis on performance skills, clarity of rhythm and line, expansion of range of movement, and personal expression. The course presents the history of jazz dance as a fusion form with African roots, and its impact as a performance style and in the entertainment industry through lecture, video viewing, outside-of-class reading, and assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: DAN 104, or permission of instructor.

DAN 204  Jazz Dance IV  3 cr
A conclusion of the intermediate study of jazz dance. Students continue to refine skills and movement vocabulary of the jazz style at the intermediate level. Increased emphasis on clarity of rhythm and line, expansion of range of movement, and personal expression. Assignments may include outside-of-class reading, video viewing, and performance participation. (Offered: Every Fall, Every Spring)
Prereq: DAN 203.

DAN 205  African Dance III  * 3 cr
An intermediate course in African dance. Students learn to execute polyrhythmic movement, and increase understanding of the relationship between the live drumming and dances. Students learn and practice increasingly complex movement combinations and choreography which incorporate songs of various African languages and integral parts of the dance. The course provides a background for understanding the importance of dance in African life through lectures on African history, geography, and culture. Assignments may include attending performances outside of class. (Offered: Periodically)
Prereq: DAN 106, or permission of instructor.

DAN 206  African Dance IV  * 3 cr
A conclusion of the intermediate study of African dance. Students continue to refine the performance of polyrhythmic movement, African songs, and complex choreography and traditional dances. Students learn to improvise/choreograph and perform short dance segments using the traditional movement vocabulary and style. The course provides a background for understanding the importance of dance in African life through lectures on African history, geography, and culture. Assignments may include attending performances outside of class. (Offered: Periodically)
Prereq: DAN 205.

DAN 207  Ballet III  3 cr
An intermediate course in classical ballet with emphasis on increased technical skill. Students learn principles of epaulement, placement, and multiple turns. Students may dance en pointe with instructor’s approval. The course presents longer, more intricate combinations and repertoire, the rich history and theory of ballet, and its widespread cultural impact through lectures, video viewing, outside-of-class reading, or assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: DAN 108, or permission of instructor.

DAN 208  Ballet IV  3 cr
A conclusion of the intermediate study of classical ballet. The course emphasizes performance skills. Students integrate technique with personal expression, and continue to learn and practice combinations and dances from the classical and contemporary repertoire. The course presents the rich history and theory of ballet, and its widespread cultural impact through lectures, video viewing, outside-of-class reading, or assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: DAN 207.

DAN 211  Modern Dance III  3 cr
An intermediate course in modern dance with increased emphasis on performance skills. The course presents specific techniques of modern dance pioneers, such as Graham, Humphrey-Weidman, Cunningham, and Taylor. Students learn and execute movement sequences and repertory dances with attention to quality, style, musicality, and expressiveness. Students are encouraged to work on individual creativity and development of personal movement style. The course presents the history, theory and significance of modern dance through lectures, video viewing, outside-of-class reading, or assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: DAN 112, or permission of instructor.

DAN 212  Modern Dance IV  3 cr
A conclusion of the intermediate study of modern dance with continued emphasis on the development of individual performance quality and style and the mastery of dance technique in the modern dance tradition. Students are encouraged to explore their individual movement ideas through choreography and improvisation. The course presents the history, theory and significance of modern dance through lectures, video viewing, outside-of-class reading, and assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: DAN 211.

DAN 214  Tap Dance III  3 cr
An intermediate course in tap dance with emphasis on the acquisition of performance skills, rhythmic accuracy and speed. Students learn traditional repertoire and time steps with their rhythmic breaks and explore improvisation. The course presents tap history, including its development as a fusion of African and European dance-music forms through lectures, video viewing, outside-of-class reading, and assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: DAN 115, or permission of instructor.

DAN 215  Tap Dance IV  3 cr
A conclusion of the intermediate study of tap dance. Students continue to refine technical and performance skills, improve rhythmic accuracy and speed and to learn and practice traditional repertoire, time steps with their rhythmic breaks, and improvisation. The course presents tap history, including its development as a fusion of African and European dance-music forms through lectures, video viewing, outside-of-class reading, and assigned performance attendance. (Offered: Every Fall, Every Spring)
Prereq: DAN 214, or permission of instructor.

DAN 216  Middle Eastern Dance III  * 3 cr
An intermediate course in Middle Eastern Dance. Students continue to practice the movements and rhythms of the dance, with an emphasis on personal expression, the development of individual style, musicality, improvisation and performance skills. Students learn extended dance sequences and group choreographies. The course incorporates the continued study of the complex history of the dance and its meaning and function in Middle Eastern and North African cultures, and in other areas that are home to people of Arabic heritage. Video viewing and outside of class reading assignments augment in-class practice. (Offered: Every Fall, Every Spring)
Prereq: DAN 117, or permission of instructor.

DAN 217  Middle Eastern Dance IV  * 3 cr
A conclusion of the intermediate study of Middle Eastern Dance. Students continue to practice the movements, rhythms and choreography of the dance. The course emphasizes personal performance style, based on informed choices and improvisational and creative responses to both contemporary and traditional Arabic or Arab-influenced music and rhythms. Students learn extended dance sequences, group choreographies for performance, and to play zills as
an accompaniment to the dance. The course incorporates the study of the history, meaning, and function of Middle Eastern dance in the various cultures and countries in which it is performed. Video viewing and outside of class reading assignments augment in-class practice. (Offered: Every Fall, Every Spring)
Prereq: DAN 216, or permission of instructor

**ECONOMICS**

**ECO 101 Principles of Macroeconomics 3 cr**
A study of economic analysis of the national and global economy with discussion of current issues. This course includes business cycles, unemployment, inflation, economic growth, banking systems, monetary and fiscal policies. (Offered: Every Fall, Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 105 (095), or satisfactory placement test scores

**ECO 102 Principles of Microeconomics 3 cr**
A study of the economics of the firm, the consumer, and their interaction in the domestic and global marketplace. This course includes resource allocation, supply and demand, elasticity, market structure, labor, and an economic perspective of current issues facing business and society. (Offered: Every Fall, Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 105, or satisfactory placement test scores

**ECO 113 Environmental Economics 3 cr**
Introduction to the contemporary problems of environmental quality. Economic analysis of the institutions and practices leading to pollution of air, water, and land resources. Study of alternative public policies for improving environmental quality. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

**ECO 129 Global Trade and Development * 3 cr**
A study of international trade and national economies. Topics include trade models, population, poverty and income distribution, property rights, microfinancing, international investment, currency exchange, trade barriers, trade pacts, and the roles and effects of global trade institutions. (Offered: Periodically)
Prereq: ECO 101

**ECO 205 Sports Economics 3 cr**
An economic analysis of sports teams, leagues, and institutions. Topics include antitrust, public funding of sports venues, labor relations, competitive balance, wagering markets, athletic compensation, amateurism, and application of economic principles to sports settings. (Offered: Every Fall)
Prereq: ECO 102

**EDUCATION**

**EDU 101 Introduction to Early Childhood Education 3 cr**
Purposes of early childhood education and the role of the teacher. Considers the developmental needs of young children. Attention to physical environment, recording and reporting progress and administration. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

**EDU 103 Creative Experiences in Art, Music, and Drama 3 cr**
Deals with the methods, content, and theory of the arts as they relate to the young child. Students will develop leadership abilities and their ability to research, plan, and implement developmentally appropriate activities in the arts for young children. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; ECE major, or permission of instructor

**EDU 111 Introduction to Special Education 3 cr**
Overview of development, physical, and behavioral disabilities: basic principles of intervention techniques; overview of legislation (Chapter 766) and its implications for the young child. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

**EDU 112 Early Childhood Special Education 3 cr**
Emphasizes the acquisition of strategies and skills to provide developmentally appropriate learning experiences for young children with special needs in multiple settings. Students examine prominent preschool special education curricula and learn to evaluate and adapt curriculum materials to specific learning needs. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

**EDU 121 Reading and Language for the Young Child 3 cr**
Emphasizes the importance of effective communication and implements the belief that skills, abilities, and attitudes needed for such communication are identifiable and teachable. The integration of all the language arts into a curriculum for young children is stressed. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

**EDU 123 Educating the Infant and Toddler 3 cr**
Focuses on the intricacies of working with very young children. Topics include the curriculum, the environment, personnel management and development, budget and funding, legal concerns, state and local regulations, and working with parents and families to provide a sound program for young children. (Offered: Periodically)
Prereq: EDU 201; Recmm: Office of Child Care Services (OCCS) Lead Teacher Qualified

**EDU 141 Building Teacher-Parent Relationships 3 cr**
Examines the role of school in society, the organization and history of American education, the historical foundations of education and its theorists. The relationship between theoretical perspectives and current issues emphasized. (Offered: Every Spring)
Prereq: ENG 101, 103, or 105

**EDU 201 Early Childhood Curriculum 3 cr**
Organization of curriculum including the research, theory, methods, and materials necessary in a classroom of young children. Emphasis on reading readiness and language skills. (Offered: Every Spring)
Prereq: EDU 101 or permission of instructor

**EDU 205 Philosophy of Education 3 cr**
Examines the role of school in society, the organization and history of American education, the historical foundations of education and its theorists. The relationship between theoretical perspectives and current issues emphasized. (Offered: Every Spring)
Prereq: ENG 101, 103, or 105

**EDU 215 Student Teaching I 6 cr**
Provides work experience in an early childhood setting with responsibility for setting up a safe and healthy environment; providing for social and emotional development in children; and becoming a professional teacher. Placement in a teaching site for EDU 215 is not guaranteed and depends upon agreement among the teaching site, the EDU faculty, and the student. (Offered: Every Fall)
Prereq: EDU 101 and permission of the program coordinator

**EDU 216 Student Teaching II 6 cr**
Provides work experience in an early childhood setting with extensive responsibility for the total management of a classroom; experience working with families; and providing an environment which promotes physical and intellectual competence in children. Placement in a teaching site for EDU 216 is not guaranteed and depends upon agreement among the teaching site, the EDU faculty, and the student. (Offered: Every Spring)
Prereq: EDU 215 or permission of instructor
EMS 101 Emergency Medical Technician- Basic 6 cr
Provides training in the primary care of injuries, semiautomatic external defibrillator (AED), acute illnesses, birth, and people in emergency situations. Students learn rescue extraction, transportation, communication, medical-legal aspects, and ambulance training. The course is taught using lectures, slides, demonstration, and practice. Students completing the course are eligible for the Massachusetts Basic EMT examination. (Offered: Every Fall, Spring & Summer)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

EMS 105 Principles of Advanced Life Support 5 cr
Introduces the certified EMT to principles of Department of Transportation Advanced Life Support curriculum. Students study roles and responsibilities, EMS systems, legal and ethical issues, patient assessment, fundamentals of respiration and advanced airway management. The course includes the fundamentals of perfusion and techniques of intravenous therapy. (Offered: Every Fall)
Prereq: Current EMT certification, ENG 090 and ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores. Concurrent enrollment or completion of BIO 108 or equivalent

EMS 106 EMT - Intermediate Internship 2 cr
Provides supervised clinical and field experiences for EMT-Intermediate Students. Students attend two class meetings and complete all Massachusetts and program clinical and field requirements within prescribed deadlines. Students are eligible to take the Massachusetts EMT-Intermediate Examination upon successful course completion. Only non-paramedic certificate students may enroll in this course. (Offered: Every Spring & January)
Prereq: Successful completion of EMS 105

EMS 202 Pharmacology 2 cr
Introduces pharmacology, pharmacokinetics and pharmacodynamics. The course includes a review of the metric system. Students calculate drug dosage concentrations and IV medication infusion rates. The course introduces basic concepts of pathophysiology. (Offered: Every January)
Prereq: Successful completion of EMS 105 or permission of instructor

EMS 203 Management of Medical and Shock-Trauma Emergencies 8 cr
Expands upon pharmacological interventions and integrates patient management skills with medical and trauma situations encountered by paramedics. This course includes the pathophysiology and management of disease processes and shock-trauma conditions. It provides special considerations of neonatology, pediatrics, geriatrics, medical incident command and rescue situations. Students begin limited clinical experiences. Students receive Pre-Hospital Trauma Life Support (PHTLS) certification and Pediatric Education for Prehospital Professionals (PEPP-Advanced Life Support) certification upon successful course completion. (Offered: Every Spring)
Prereq: Successful completion of EMS 202 or permission of instructor

EMS 204 Management of Cardiovascular Emergencies 8 cr
A comprehensive approach to adult cardiac emergencies encountered by paramedics. The course includes cardiovascular pathophysiology, 3-lead and 12-lead dysrhythmia interpretation techniques, dysrhythmia management, electrical therapy and cardiac pharmacology. Students practice intensive patient management simulation. The student receives Advanced Cardiac Life Support (ACLS) certification upon successful course completion. (Offered: Every Summer)
Prereq: Successful completion of EMS 203 or permission of instructor

EMS 210 Paramedic Clinical 2 cr
Provides student with practice of invasive skills and patient management under the supervision and direction of licensed hospital staff. Students attend one class meeting and produce a research paper based on clinical experiences. Students attend Pediatric Advanced Life Support seminar (off-campus) and receive Pediatric Advanced Life Support (PALS) certification upon successful seminar completion. (Offered: Every Fall)
Prereq: Successful completion of EMS 204, Concurrent registration in EMS 211

EMS 211 Paramedic Fieldwork Internships I 2 cr
Provides assignments with certified paramedics. Students perform pre-hospital treatment under supervision. (Offered: Every Fall)
Prereq: Successful completion of EMS 204. Concurrent registration in EMS 210

EMS 212 Paramedic Fieldwork Internships II 2 cr
A continuation of fieldwork assignments with certified paramedics. The course includes fieldwork rotation at a high-volume EMS system outside of New England. The student is eligible to take Massachusetts and National Registry qualifying examinations upon successful completion of the course. (Offered: Every Fall, Every Spring)
Prereq: Successful completion of EMS 210

ENGINEERING

EGR 100 Engineering Culture 0 cr
Supports engineering students’ success through student-faculty interaction, peer study groups, and academic and career guidance. NOTE: Students may repeat this course without limit. Special Requirement: Open to Engineering majors only. (Offered: Every Fall, Every Spring)
Prereq: None

EGR 101 Surveying 3 cr
Elements of plane surveying, taping, theory and use of instruments, leveling, traversing, and computation. Lab required. (Offered: Periodically)
Prereq: MAT 107 or its equivalent; may be taken concurrently

EGR 105 Introduction to Engineering, Science, Technology, and Society 4 cr
A survey introductory course that combines hands-on experience with sociological analysis of engineering, science, and technology using lab, lecture, research, design, and discussion. Includes aspects of electrical, mechanical, environmental, civil, and chemical engineering. NOTE: Students may earn credit for EGR 105 or SCI 105 but not both. (Offered: Every Fall)
Prereq: MAT 107 or concurrent enrollment in MAT 107 or a score of 71 or higher on the College Level Math placement test; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores. Recomp: Any 3-credit course coded ANT, ECO, EYS, HYS, POL, PSJ, PSY, or SOC

EGR 107 Engineering Graphics 4 cr
An introduction to engineering graphics concepts and applications. Topics covered include lettering, scaling, orthographic projection, pictorials, sections, auxiliary views, dimensioning, tolerances, fasteners, isometric and orthographic depiction. The course includes Computer Aided Design, manual drafting, and sketching. (Offered: Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 105, or satisfactory placement test scores

EGR 205 Statics 3 cr
A vector treatment of equilibrium of particles and rigid bodies. Topics include: forces, moments, couples, equations of equilibrium, free body diagrams, machines, trusses, frames, friction and centroids, and shear and bending moment diagrams. (Offered: Periodically)
Prereq: MAT 201, PHY 111
EGR 206 Strength of Materials 3 cr
Analysis of the stress and strain in structural members due to axial loads, torsion and bending. (Offered: Periodically)
Prereq: EGR 205 or permission of instructor

EGR 209 Dynamics 3 cr
A study of kinetics and kinematics of particles and rigid bodies including Newton’s laws, work-energy and impulse-momentum principles, laws of linear and angular momentum, conservation of momentum, and planar motion of rigid bodies. (Offered: Periodically)
Prereq: PHY 111, MAT 201, MAT 202 (or concurrent enrollment in MAT 202); Recom: PHY 112, MAT 202, EGR 205

EGR 210 Thermodynamics 3 cr
The fundamentals of the science of thermodynamics including control volume analysis, conservation of mass and energy, the second law of thermodynamics, pure substance property relations, and applications of refrigeration and power systems. (Offered: Periodically)
Prereq: MAT 202, PHY 112; Recom: MAT 203

EGR 211 Circuit Analysis I 4 cr
Mathematical models for analog and digital circuit elements, basic circuit laws and network theorems applied to digital logic: MOSFET gates, and to DC, transient, and steady-state response of first- and second-order circuits. Modeling circuit responses using differential equations. Lab includes circuit hardware and PSPICE simulation experiments. (Offered: Every Fall)
Prereq: MAT 202, PHY 112

EGR 212 Circuit Analysis II 4 cr
Continuation of EGR 211. Analysis techniques for AC circuits, frequency response, resonance, Bode plots, phasor representation of sinusoidal steady-state systems, complex frequency domain, transfer functions. MOSFETS as amplifiers; operational amplifiers. Transformers, two-port networks, Fourier series. Lab includes circuit hardware and PSPICE simulation experiments. (Offered: Every Spring)
Prereq: EGR 211 with a grade of C or better.

EGR 213 Statistics for Engineering 3 cr
Probability and statistical theory, with primary emphasis on engineering applications. Students utilize techniques of collection, analysis and interpretation of experimental data, and explore probability modeling using discrete and continuous random variables. Topics include: an examination of estimation and inference conducted through the use of confidence intervals and hypothesis testing, regression, correlation, and analysis of variance (ANOVA). (Offered: Every Spring)
Prereq: MAT 202

ENGLISH

ENG 090 College Writing Strategies 4 cr
Develops the writing strategies, critical thinking skills, research methods, and confidence required in English Composition I and other college-level courses. This course covers word processing and methods of using print texts, electronic texts and databases, as well as techniques for evaluating those resources. This course does not fulfill the English composition requirements of the College and does not fulfill associate degree credit requirements; “C” is the lowest passing grade in this course. (Offered: Every Fall, Spring & Summer)
Prereq: None

ENG 094 College Reading Strategies 4 cr
Develops reading study skills for comprehension, vocabulary building, and critical reading and thinking. Students learn techniques for effectively and efficiently obtaining information from reading materials, especially textbooks. The course covers word processing and methods for conducting research using print texts, electronic texts and databases, as well as techniques for evaluating those resources. This course does not fulfill the English composition requirements of the College and does not fulfill associate degree credit requirements; “C” is the lowest passing grade in this course. NOTE: Credit may be granted for COL 090 or ENG 094, but not for both. (Offered: Every Fall, Spring & Summer)
Prereq: None

COL 102 Exploring Culture Through Reading and Writing 3 cr
Explores culture through the interconnected processes of reading and writing and is ideal for students who want a course with this emphasis before they enroll in English Composition I. Students examine a broad range of written and visual texts, such as the critical essay, short story, memoir, poetry, drama, art, and film. Students apply critical reading and writing strategies to these texts and to their own writing. Students use print and electronic texts and word processing software to conduct and evaluate research. This course does not satisfy the English Composition requirements of the College. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

ENGLISH COMPOSITION I (ENG 101, 103, 105)
A study of the various aspects of reading and writing expository prose. The coursework emphasizes analytical reading, critical thinking, oral and written communication skills, and research and documentation. The course also covers basic word processing and e-mail skills, as well as instruction in the mechanics of locating and evaluating information in electronic texts and databases. Three options are available; students receive credit for only one.

ENG 101 English Composition I: Expository Writing 3 cr
Focuses on the writing of essays. This course offers students the opportunity to understand writing as a process and to develop clear, effective presentation of ideas. The student develops an awareness of the relationship between writer and reader. The course includes word processing and research and documentation using print and electronic texts. NOTE: Students may receive credit for only ENG 101 or ENG 103 or ENG 105. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

ENG 103 English Composition I: Purposes and Technique of Prose 3 cr
Emphasizes expository writing for students who feel confident of their skills in analysis and organization. The student develops an understanding of voice in writing. The course includes word processing methods and research and documentation using print and electronic texts. NOTE: Students may receive credit for only ENG 101 or ENG 103 or ENG 105. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

ENG 105 English Composition I: The Impact of Language 3 cr
Develops a personal writing style to express the results of critical and analytic thinking. This course is designed for the student who enjoys reading and writing and includes assignments from essays, novels, poetry, and other materials which serve as models and sources for written exercises. The student explores the history of the English language. The topics for discussion and writing include the languages of race, gender, advertising, and politics. The course includes word processing methods and research and documentation using print and electronic texts. NOTE: Students may receive credit for only ENG 101 or ENG 103 or ENG 105. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores
ENGLISH COMPOSITION II (ENG 112, 114, 116)
A study of the imaginative and symbolic use of language. The coursework emphasizes the development of critical standards and written responses to fiction, poetry, drama, and in some options, to other print and electronic resources. This course focuses on analysis, critical thinking, and writing. Three options are available; students receive credit for one.

ENG 112 English Composition II: Exploring Literature 3 cr
Examination and analysis of the three major literary genres: prose, poetry, and drama. Writing assignments emphasize the formal, thoughtful, “critical” paper; but do not preclude more personal and creative responses. Students develop analytical standards for both reading and writing about literature. The course includes selections from a wide variety of authors. NOTE: Students may receive credit for only ENG 112 or ENG 114 or ENG 116. (Offered: Every Fall, Every Spring)
PreReq: ENG 101, 103, or 105

ENG 114 English Composition II: Literature and Creative Writing 3 cr
Examination of the creative modes of writing: short fiction, poetry, drama, and song. Writing assignments include creative experiments and literary analysis. The student develops the skills in the production as well as understanding of literary art. NOTE: Students may receive credit for only ENG 112 or ENG 114 or ENG 116. (Offered: Every Fall, Every Spring)
PreReq: ENG 101, 103, or 105

ENG 116 English Composition II: Analysis of Literature and Film 3 cr
Study of film, fiction, poetry, and drama from Western and non-Western cultures. Coursework involves analysis of other electronic media which may include television, radio, and computer-mediated text. Students produce written works stressing critical evaluation and participate in classroom analysis of printed and electronic text. NOTE: Students may receive credit for only ENG 112 or ENG 114 or ENG 116. (Offered: Every Fall, Every Spring)
PreReq: ENG 101, 103, or 105

ENG 201 Western Literature I 3 cr
Reading and critical analysis of selected literary masterpieces from early Greek through the Elizabethan era. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 202 Western Literature II 3 cr
Reading and critical analysis of selected literary masterpieces from the Elizabethan era to the present. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 203 American Literature I 3 cr
Critical study of significant achievements in American literature from the Puritan period through the period of the Reconstruction. Emphasis on the growth of an American literature, its modes and purposes. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 204 American Literature II 3 cr
Critical study of significant achievements in American literature from the late 19th century to the present. Emphasis on literary modes and thought as they reflect the modern society. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 205 British Literature I 3 cr
Readings in English literature from the Anglo-Saxon period to the late 17th century. Major emphasis on Chaucer and Shakespeare. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 206 British Literature II 3 cr
Readings in English literature from the late 17th century to the present. (Offered: Periodically)
PreReq: ENG 112, ENG 114 or ENG 116

ENG 207 Creative Writing and Literature: Themes and Methods 3 cr
Focuses on broad themes in creative writing and explores analytical as well as creative methods for responding to literature. Students explore a variety of creative genres, including drama, poetry, fiction, and creative nonfiction, from many cultures and times. The course culminates in the production of original creative works. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 208 Creative Writing and Literature: Studies in Genre 3 cr
Explores creative writing through analysis of the writer’s craft. Students focus on one or more creative genres such as drama, poetry, fiction, or creative nonfiction. Students engage with literary texts that present diverse worldviews. Students also conduct research and apply critical reading and writing strategies to their own analytical as well as creative work. The course culminates in the production of original creative works. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 210 Creative Nonfiction 3 cr
Explores creative nonfiction essays and essay writing through extensive reading, individualized research, and writing workshops. Students develop familiarity with the variety and history of creative nonfiction. Students use multiple research methods, drafting approaches, and writing styles to explore topics of their choice. Students combine academic and creative writing strategies in new ways to explore and analyze their experiences and the world around them. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 211 Modern Novel 3 cr
Themes and methods of novelists of the modern western world. This course explores such topics as alienation and the failure of communication and gives attention to modern experiments in point of view, structure, and style. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 212 Graphic Novel 3 cr
Explores the history and development of the graphic novel, a hybrid genre that combines visual and written textual elements. Students read, discuss, and write about graphic novels exploring issues of power, sexuality, race, gender, class, and identity. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 219 Ethnic Literature * 3 cr
A study of American literature through writers representative of various ethnic groups in the United States. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 221 Shakespeare 3 cr
A critical study of a selected group of plays by Shakespeare, approached by theme. The course will also give some attention to contemporary presentations or adaptations. (Offered: Periodically)
PreReq: ENG 112, 114, or 116

ENG 224 Technology and Literature 3 cr
A critical examination of the impacts of technology on literature as expressed in poetry, fiction, essay, film, and electronic text. Students consider how technological developments from factory production and the railroad to the personal computer and genetic engineering have influenced literature, art, thought, communication, work, and community. (Offered: Periodically)
PreReq: ENG 112, 114, or 116
ENG 228  Queer Literature * 3 cr
A study of various genres and periods of literary texts by lesbian, gay, bisexual, and transgender writers. The course includes lectures and classroom discussions on the texts and their cultural and historical contexts. Students discuss how the texts relate to expressions of and arguments about, being queer in a predominantly heterosexual world. Readings also address more general issues of marginalization, such as those involving gender, race, class, and age. The course is appropriate for any student interested in the way literature expresses human difference. (Offered: Periodically)
Prereq: ENG 112, 114, or 116

ENG 229  Gothic Literature 3 cr
A critical and analytical study of the gothic tradition in both classic and modern supernatural literature, with some attention to film. Students examine the significance of the supernatural horror tale in its larger literary, social, and cultural context. (Offered: Periodically)
Prereq: ENG 112, 114, or 116.

ENG 235  Survey of Latin American Literature * 3 cr
A study of Latin American writings from the pre-Columbian era to the present. Emphasis on the social, political, and cultural forces that have shaped the voices of contemporary Latin American literature. Authors include Bartolome de Las Casas, Andres Bello, Ruben Darlo, Clorinda Matto de Turner, Jorge Borges, Isabel Allende, and Gabriel Garcia Marquez. (Offered: Periodically)
Prereq: ENG 112, 114, or 116.

ENG 241  Survey of Children’s Literature 3 cr
Wide reading of classic and current children’s literature, including the history and development of the genre. This course examines criteria for judging children’s books and reviews classroom techniques in early childhood education. (Offered: Periodically)
Prereq: ENG 112, 114, or 116

ENG 243  Modern Poetry 3 cr
An examination of modern poetry with an emphasis on interpretation and analysis of voice, language, sound, and form. This course provides an in-depth study of some major innovators as well as a study of other contemporary poets. (Offered: Periodically)
Prereq: ENG 112, 114, or 116

ENG 244  Science Fiction: Themes and Contexts 3 cr
Examines science fiction from diverse cultural perspectives. Students explore critical and social contexts that inform science fiction, gain an understanding of its history and development as a genre, and analyze its contributions to contemporary culture as well as its place within the arts. The course focuses on literature, although students may also study science fiction in multiple media such as film, television, and the visual arts. Students write critical essays and have the opportunity to produce creative works of their own. (Offered: Periodically)
Prereq: ENG 112, 114, or 116; Recomm: A college-level science or philosophy course.

ENG 247  Women in Literature I * 3 cr
A study of works by women writers through the 19th century. Students discuss literature in various genres within the historical and social context of the times, in relation to early literary movements and from the perspective of a unique female literary tradition. (Offered: Periodically)
Prereq: ENG 112, 114, or 116

ENG 248  Women in Literature II * 3 cr
A study of poetry, short fiction, novels, and drama that presents the richness of diversity in the work of women writers from the 20th century to the present. Students focus on the voice of the writer and her use of literary technique as she explores important themes in women’s lives. (Offered: Periodically)
Prereq: ENG 112, 114, or 116

ENG 253  Valley/American Literature 3 cr
A critical study of American literature from the Puritan period to the present with focus on the significant achievements of Valley writers. This course explores the impact of the geographical, social, and cultural environment of the Pioneer Valley on their works. Students study Jonathan Edwards, Emily Dickinson, Mark Twain, Robert Frost, Archibald MacLeish, and other writers. (Offered: Periodically)
Prereq: ENG 112, 114, or 116

ENG 261  The Short Story 3 cr
A survey of the short story as a literary genre from its beginnings in the early 19th century to the present time with emphasis on interpretation and analysis, characters in conflict, point of view, and symbolism. (Offered: Periodically)
Prereq: ENG 112, 114, or 116

ESL 102  Writing-Advanced Beginners Level 3 cr
Focuses on basic writing skills needed for successful participation in American communities, including sentence structure, paragraph structure, mechanics, and introduction to academic writing. Individualized programs are provided as needed. Writing and computer laboratories are required. (Offered: Every Fall, Every Spring)
Prereq: Placement by examination

ESL 103  Written English-Intermediate Level 3 cr
Develops students’ writing skills for academic and professional use, such as patterns of organizing paragraphs and compositions, basic business letters, exercises in sentence structure and other composition skills. Writing and computer laboratories are required. (Offered: Every Fall, Every Spring)
Prereq: ESL 102 or placement by examination

ESL 104  Written English-Advanced Level 3 cr
Emphasizes advanced writing skills in preparation for beginning-level college courses, such as research paper, reading and writing responses, essays, compositions, and grammar of advanced sentence structure. Writing and computer laboratories are required. (Offered: Every Fall, Every Spring)
Prereq: ESL 103 or placement by examination

ESL 106  English Grammar-Advanced Beginners 3 cr
Focuses on the systematic study of basic English grammar patterns through reading, writing, listening, and discussion. Individualized programs are provided as needed. Laboratory is required. (Offered: Periodically)
Prereq: Placement by examination

ESL 107  American English Grammar in Context 3 cr
The study of intermediate-level grammar patterns in English, with focus on verb tenses and on parts of speech. This course emphasizes recognition and understanding of grammar patterns in reading and speech, and the development of grammar skills in writing. Laboratory is required. (Offered: Every Fall, Every Spring)
Prereq: ESL 106 or placement by examination

ESL 108  American English Grammar in Use 3 cr
Continued study of English verb tenses and parts of speech. The course includes practice of other complex patterns needed for college coursework in English as well as a review of articles and advanced sentence structure. Students will learn accurate and appropriate use of grammar patterns in writing. Laboratory is required. (Offered: Every Fall, Every Spring)
Prereq: ESL 107 or placement by examination
Credit Courses

ESL 109  Intermediate Grammar Review  2 cr
An intensive grammar workshop for students who have completed ESL 107 or other intermediate ESL grammar courses. Students practice and master what they have learned about basic English verb tenses, question patterns, and subject-verb agreement. Students review grammar through listening, speaking, pronunciation, reading, writing, group work, and discussion. (Offered: Periodically)
Prereq: ESL 107 or permission of instructor

ESL 110  ESL Computer Training  1 cr
Introduces English terms for basic keyboarding operations. Students develop techniques and concepts for word-processing using both Macintosh and IBM clone computers. ESL students begin to use electronic mail and learn how to find information on the Internet. (Offered: Periodically)
Prereq: Concurrent enrollment in ESL 103 or permission of instructor

ESL 112  Spoken English-Advanced Beginners  3 cr
Emphasizes development of basic vocabulary, pronunciation, listening and speaking skills needed to communicate in class, in the community, and in social situations. Laboratory is required. (Offered: Periodically)
Prereq: Placement by examination

ESL 113  Spoken English-Intermediate Level  3 cr
Emphasizes development of vocabulary, pronunciation, listening and speaking skills through group discussions, role plays, oral presentations, and interactive tasks. Content units reflect student interest in social and global issues and in situations from everyday life. Laboratory is required. (Offered: Periodically)
Prereq: Placement by examination

ESL 114  Spoken English-High Intermediate Level  3 cr
Expands listening and speaking skills for academic activities such as note-taking during class lectures, summarizing and reporting information taken from the media, debating, taking part in discussions, and interviewing. Individual programs in pronunciation and clear speech are provided as needed. Laboratory is required. (Offered: Every Spring)
Prereq: ESL 113 or placement by examination

ESL 117  English Sounds and Spelling  3 cr
Provides practice for non-native speakers in American English pronunciation as it relates to basic patterns of spelling. Techniques from phonetics and phonics help students master "exceptions" or words with irregular spelling and/or pronunciation. Students apply understanding of sounds, rhythm, intonation, spelling of syllables, and spelling rules in creative practice for people with diverse learning styles. (Offered: Every Fall)
Prereq: ESL 112 or permission of instructor

ESL 118  Advanced ESOL Grammar  3 cr
Advanced topics in English grammar for bilingual students. Topics include verb tenses for narration; adjectives and prepositional phrases for description; active and passive voice; agreement and sentence combining; sentence transitions; time expressions; articles; and vocabulary. Students contrast U.S. styles of writing and class participation with writing and class participation styles in other countries. (Offered: Every Fall, Every Spring)
Prereq: ESL 104 or ESL 108 or permission of instructor

ESL 119  English at Work  3 cr
Introduces English language and cultural patterns to students who are working or seeking work in the American workplace. Topics include basic English vocabulary for employment, basic mathematical operations in English, interacting with co-workers and supervisors, using electronic communications, resume writing, labor laws in the U.S. and the Commonwealth of Massachusetts and cultural expectations on the job. (Offered: Every Fall, Every Spring)
Prereq: For students whose native language is not English. Intermediate level of English proficiency determined by ESOL placement examination. Contact ESOL Program Coordinator. Recomm: Concurrent enrollment in ESL 110 or CS 110 or basic proficiency in computer skills.

ESL 120  ESL 107 or permission of instructor

ESL 122  Reading and Vocabulary-Advanced Beginners  3 cr
Introduces strategies for improving reading comprehension, using the dictionary and expanding vocabulary. Students present oral and written book reports and focus on active reading of fiction and non-fiction on a variety of topics. Laboratory is required. (Offered: Periodically)
Prereq: Placement by examination

ESL 123  Reading and Vocabulary-Intermediate Level  3 cr
Focuses on reading comprehension, vocabulary development, book reports, note-taking and test-taking strategies for intermediate-level ESL students. Students read fiction, non-fiction, newspapers, and a wide range of subjects to provide a foundation for success in college and the workplace. Laboratory is required. (Offered: Every Fall, Every Spring)
Prereq: ESL 122 or placement by examination

ESL 124  Reading and Vocabulary-High Intermediate  3 cr
Introduces strategies for improving reading comprehension, using the dictionary and expanding vocabulary. Students present oral and written book reports and focus on active reading of fiction and non-fiction on a variety of topics. Laboratory is required. (Offered: Periodically)
Prereq: ESL 123 or placement by examination

ENVIRONMENTAL STUDIES

EVS 101  Environmental Studies: Issues in Sustainability  3 cr
An introduction to basic concepts and principles in ecology including ecosystems, population, food production, energy, pollution, technology, and resource depletion. The course focuses on people’s impact on the natural environment emphasizing current problems and alternative solutions to them. NOTE: Credit can be granted for HEC 101 or EVS 101, but not for both. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

EVS 118  Introduction to Food Systems  3 cr
An introduction to the current state of the global food system and its implications for people, the environment, and our future. Topics include the benefits and drawbacks of the industrial agricultural model; food justice, food security and public health; the real-life challenges to creating a local food system, and innovative responses to meet those challenges. Students undertake research projects that follow food study models and assess the capacity of a municipality to develop a local food system. Special Requirement: Field trips required. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

EVS 121  Gender and the Environment  3 cr
Examination of historical and present day roles of women and men in relation to their environment. The course surveys how gender roles have affected survival in hunter-gatherer and agrarian societies, earth-centered practices in religion and medicine, and the growth and influence of industrialism and nationalism. The course focuses on understanding gender-linked relationships between population, poverty, and environmental degradation and the importance of new cooperative models for converting to an ecologically sustainable society utilizing case studies and role models. NOTE: Credit can be granted for HEC 121 or EVS 121, but not for both. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

EVS 150  The 24-Hour Outdoor Personal Growth Experience  1 cr
A 24-hour back-country experience focusing on the expansion of the individual’s awareness and sensitivity to his or her relationship with the environment through interpretation and participation in its cyclical rhythms. The course also includes one or two in-class sessions. NOTE: Course graded credit/no credit. Credit can be granted for EVS 150 or HEC 150, but not for both. Special Requirement: Students must be 18 to register for this course. (Offered: Every Fall)
Prereq: None
EVS 151  Youth, Culture and Rites of Passage in Contemporary America  1 cr
Investigates vision quest and rites of passage, ancient and contemporary ceremonies, and rituals that are found in most cultural traditions to assist individuals to pass symbolically and literally from youth to adulthood. This experiential course offers instruction in phases of personal transition, and connections to the natural environment to promote clarity and connections with the environment. Opportunities include in-the-field teachings and one night and two days of residency at a solo site in a backcountry area, and personal reflection through inner guidance. NOTE: Course graded credit/no credit. Credit can be granted for EVS 151 or HEC 151, but not for both. Special Requirement: Students must be 18 to register for this course. (Offered: Every Spring)
Prereq: None

EVS 152  Sustainable Agriculture: Organic Gardening  1 cr
Provides instruction in a natural gardening program and practical "hands-on" introduction to the basic philosophy, content, and methods of organic gardening and permaculture design. Using a model garden site, participants plan and design a garden, prepare the soil, plant the seeds, and prepare for harvesting and storage. Topics include compost, soil improvement, seed selection, crop rotation, and pest management. The course includes in-the-field instruction. NOTE: Course graded credit/no credit. Credit can be granted for EVS 152 or HEC 152, but not for both. (Offered: Periodically)
Prereq: None

EVS 153  Ancient Wilderness Living Skills  1 cr
An introduction to the principles and practices of ancient wilderness living skills that enable people to live closer to the earth and to realize a deeper understanding of their heritage as human beings. The course introduces students to the following skills: carving and using a bow and drill fire making set; building and sleeping in a shelter made from natural materials; and instruction in crafts like natural baskets, wooden utensils, and natural rope. The course includes backcountry foraging for wild edible foods and materials for crafts as well as an overnight residency experience. NOTE: Course graded credit/no credit. Credit can be granted for EVS 153 or HEC 153, but not for both. Special Requirement: Students must be 18 to register for this course. (Offered: Every Spring)
Prereq: None

EVS 154  Exploring Ecological Consciousness  1 cr
Explores experiential education practices that shift students' perception towards an awareness of being part of the natural world, directly related to other life forms and ecologies. Students increase their knowledge of nature awareness exercises for diverse age ranges and backgrounds. The course includes experiential exercises, visualization and personal sharing in the natural environment. NOTE: Course graded credit/no credit. Credit can be granted for EVS 154 or HEC 154, but not for both. (Offered: Every Fall)
Prereq: None

EVS 155  Introduction to Sustainable Energy: Solar Living  1 cr
An introduction to the basic principles and practical applications of sustainable energy systems for small-scale use in the home, office, and work space. The course introduces the basics of renewable energy and sustainable living technologies. The seminar introduces the operation and maintenance of rechargeable solar equipment, independent living techniques and wind, biomass, hydrogen, and conservation strategies for heating and cooling. NOTE: Course graded credit/no credit. Credit can be granted for EVS 155 or HEC 155, but not for both. (Offered: Every Fall)
Prereq: None

EVS 204  Environmental Justice  3 cr
A social and ecological examination of human needs and scarce resources. Students focus on environmental justice and how sustainable development contributes to reduced conflict and increased security. Students learn new strategies for sustainable living and an ecological perspective as a tool for peace, sustainability and social change. (Offered: Every Spring)
Prereq: Any 3-credit course coded ANT, ECO, EVS, HSV, POL, PSJ, PSY, or SOC
Recomm: PSJ 101 or EVS 101

FIRE SCIENCE TECHNOLOGY

FST 101  Introduction to Fire Protection  3 cr
An introduction to fire protection and careers in the fire service. Students survey the history, scope, and resources of the fire service, including reviewing fire department structure and administration. The course provides students with an overview of the chemistry and physics of fire, of the training and support of fire service personnel, and of fire protection systems and equipment. Students gain an understanding of different career directions in the fire service and of the various local, state, and federal agencies that support and oversee fire service professionals. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

FST 105  Organizational Management  3 cr
An exploration of organizational principles with emphasis on fire department organization. Students study the history, types, methods and principles of fire department organization, both formal and informal, line and staff. The course places emphasis on supervisory responsibilities and functions. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

FST 109  Hazardous Materials I  3 cr
Includes a review of basic chemistry, storage and handling of hazardous materials, laws, standards and fire fighting practices within extreme fire hazard areas. Demonstrations illustrate and supplement the class work. (Offered: Periodically)
Prereq: FST 101 and CHE 105 or CHE 111 or permission of instructor or program coordinator

FST 110  Hazardous Materials II  3 cr
A continuation of Hazardous Materials I. This course provides guidance on how to inspect property for possible accidents involving hazardous materials and how to plan for the prevention of such accidents. Students study the storage and transporting of hazardous materials as well as related protective systems and inspection procedures. (Offered: Periodically)
Prereq: FST 109

FST 111  Building Construction  3 cr
An exploration of building construction and design with an emphasis on fire protection concerns. The course reviews statutory and suggested local, state, and national guidelines. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

FST 113  Fire Hydraulics  3 cr
A study in incompressible fluids including fluid properties, principles of fluid status, fluid flow system principles, pipe friction and heat loss, flow measurements, pumps, and other hydraulic devices and machinery. Students study the applications of fire protection systems such as sprinklers, standpipes, hoses, nozzles, pumps, and water supply systems. Demonstrations illustrate and supplement the principles developed in the class. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090) and MAT 105 (095), or satisfactory placement test scores.
FST 125 Fire Prevention, Codes and Ordinances 4 cr
An overview of the organization and function of fire prevention within the fire service. In addition, students study existing fire and building codes and ordinances and their role in providing for the public safety. Students examine the code development and adoption process, code administration, and major code producing organizations. Students become familiar with national standards, especially those contained within the National Fire Protection Association’s Life Safety Code, its referenced standards, and the Building Officials & Code Administration Building Code. Students also study Massachusetts General Law, Chapter 148, and Code of Massachusetts Regulation 527, and local ordinances. NOTE: Graduation credit can be earned for FST 125 or FST 207 but not both. (Offered: Periodically)
Pre req: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

FST 129 Emergency Incident Management 3 cr
The study of command and control activities at emergencies together with techniques of fire suppression. Topics include pre-incident planning, command organization, incident sizeup, and strategic and tactical planning. This course stresses the integration of local, regional, and national emergency management systems. (Offered: Periodically)
Pre req: FST 101 or permission of instructor or program coordinator.

FST 201 Fire Protection Systems and Equipment I 3 cr
Reviews automatic and manual detection and extinguishing systems, including sprinkler and standpipe systems, inert gases, foam and dry chemicals, temperature and smoke response devices, and alarm and signaling systems. Demonstrations illustrate and supplement the class work. (Offered: Periodically)
Pre req: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

FST 202 Fire Protection Systems and Equipment II 3 cr
A continuation of Fire Protection Systems and Equipment I for people interested in advanced fire control systems. The course places particular emphasis on sprinkler systems and covers Halogen agents. (Offered: Periodically)
Pre req: FST 201.

FST 203 Fire Fighting Tactics 3 cr
An introduction to overall firefighting strategy considerations. Students learn to formulate tactical objectives and methods based upon contemporary knowledge of building construction, modern technology such as automatic nozzles and thermal imaging, and current firefighting techniques. Students learn to assess and develop tactics to manage target hazards and special situations such as hazardous materials and incidences of terrorism. Students learn procedures from pre-fire planning activities through post-incident critique. (Offered: Periodically)
Pre req: FST 101 and FST 111 or permission of the instructor or program coordinator. Recomm: FST 201 or some experience with protection systems.

FST 205 Fire Causes, Detection, and Investigation 3 cr
Explores the history, development and philosophy of fire investigation and detection. This course includes inspection techniques, gathering evidence and development of technical reports, fundamentals of arson investigation, processing of criminal evidence and criminal procedures related to various state and local statutes. (Offered: Periodically)
Pre req: FST 101 or permission of instructor or program coordinator.

FST 206 Legal Aspects of Fire Protection 3 cr
Legal rights and responsibilities of firefighters and departments in performing their duties. This course also examines the range of fire laws affecting property owners and others. Students cover recent developments in government regulations and liability concerns. (Offered: Periodically)
Pre req: FST 101 or permission of instructor or program coordinator.

FOLKLORE
FLK 217 American Folklore 3 cr
An introduction to the materials and methods of the study of American folklore, with emphasis on its appreciation, on its relevance to the development of literature, and its relationship to lifestyles. Folklore and folk literature of the southern Appalachian serve as models for study. (Offered: Periodically)
Pre req: ENG 112, 114, or 116.

FLK 218 Storytelling 3 cr
Folktales from American, European, and other ethnic folklore traditions are examined from a contemporary perspective. Attention given to structure, content, language, literary and social issues, and techniques. Students learn to tell the folktale within the context of their own cultural experiences. (Offered: Periodically)
Pre req: ENG 112, 114, or 116.

FLK 219 Valley Folklore 3 cr
An introduction to the materials and methods of American folklore studies with emphasis on specific areas of Valley folklore as evidenced in music, story, art, architecture, dance, customs and festivals, as well as in other manifestations or oral, customary, and material folk traditions. Students work on a class project examining a unique aspect of Valley folklife. Credit can be granted for FLK 217 or FLK 219 but not for both. (Offered: Periodically)
Pre req: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

FRENCH
FRE 101 Elementary French I 4 cr
Fundamentals of French. The course emphasizes the acquisition of language functions, vocabulary, structures, and culture through contextualized presentations, interactive activities, and extensive laboratory practice. (Offered: Every Spring)
Pre req: None.

FRE 102 Elementary French II 4 cr
Fundamentals of French. The course emphasizes continued acquisition of language functions, vocabulary, structures, and culture through contextualized presentations, interactive activities, and extensive laboratory practice. (Offered: Every Fall)
Pre req: FRE 101 or equivalent.

FRE 111 French Skills Practice I 2 cr
An intensive immersion workshop conducted in French, for students who have completed at least FRE 101 or who are returning to the study of French. Using the material studied in FRE 101, students will work to practice and internalize the basic building blocks of French in listening, speaking, reading, and writing. (Offered: Every January)
Pre req: FRE 101 or equivalent, or permission of instructor.

FRE 201 Intermediate French I 4 cr
The intermediate study of French. The course emphasizes continued acquisition of language functions, vocabulary, idioms, structures, and culture through contextualized presentations, interactive activities, video, and selected readings. The class is conducted in French. (Offered: Every Fall)
Pre req: FRE 102 or equivalent.

FRE 202 Intermediate French II 4 cr
Conclusion of the basic intermediate sequence in French. The course emphasizes continued acquisition of language functions, vocabulary, idioms, structures, and culture through contextualized presentations, interactive activities, video, and selected readings. The class is conducted in French. (Offered: Every Fall)
Pre req: FRE 201 or equivalent.
FRE 252  French Composition and Conversation II  4 cr
Continued development of advanced writing and speaking skills. The course covers representative works of Francophone literature, available cultural readings and periodicals through class discussion and of oral and written assignments. The class is conducted in French.
Prereq: FRE 251 or equivalent, or permission of instructor

FRE 255  French Film and Language I  3 cr
The intermediate study of French through francophone films. The course emphasizes the acquisition of language functions, vocabulary, idioms, and cultures through the study of francophone films. Students study representative French language films, selected from films by Renoir, Godard, Poulhout, Ocelot, Chabrol and Jugnot. These are the subject of class discussions, dramatizations and oral and written assignments. Students practice listening comprehension, study idiomatic speech, analyze cultural content and examine historical contexts. The instructor and the students conduct the class in French. NOTE: This course and FRE 257 are not sequential; they may be taken in either order. (Offered: Every Fall)
Prereq: FRE 202 or equivalent

FRE 257  French Film and Language II  3 cr
The intermediate study of French through francophone films. The course emphasizes the acquisition of language functions, vocabulary, idioms, and cultures through the study of francophone films. Students study representative French language films, selected from films by Cocteau, Truffaut, Berri, Leconte, Denis and Jeunet. These are the subject of class discussions, dramatizations and oral and written assignments. Students practice listening comprehension, study idiomatic speech, analyze cultural content and examine historical contexts. The instructor and the students conduct the class in French. NOTE: This course and FRE 255 are not sequential; they may be taken in either order. (Offered: Every Fall)
Prereq: FRE 202 or equivalent

GEOLOGY

GGY 101  Introduction to Geography  3 cr
Explores major geographic concepts, contemporary world regions and the development of the science of geography. Subjects of discussion range from basic map and globe concepts to population dynamics and economic development. Student use case studies from around the world to increase their awareness of geography. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

GEO 101  Physical Geology  4 cr
Nature and origin of the landscape; features of the earth's surface; common rocks and minerals; agents of erosion; role of earthquakes, volcanoes, and the mountain building process. Particular attention to regional geology. Lab and Field trips are required. NOTE: Credit can be granted for GEO 101 or GEO 103, but not for both. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

GEO 102  Historical Geology  4 cr
An introduction to the origin and development of the earth, with emphasis on the Eastern United States. Topics include geologic time, myths and science of creation, meaning and interpretation of rocks and fossils. Lab and Field trips are required. NOTE: Credit can be granted for GEO 102 or GEO 103, but not for both. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

GEO 103  Valley Geology  4 cr
An introduction to the unique geology and geohistory of our region. Topics include rocks, minerals, rivers, glaciers, dinosaurs, continental drift, resources, and geologic hazards. Lab required. NOTE: If credit is granted for GEO 103, it cannot also be granted for either GEO 101 or GEO 102. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

GEO 104  Introduction to Oceanography  4 cr
The nature of the ocean realm-its physical, chemical, biologic, and geologic characteristics and importance. Topics to be discussed: origin and characteristics of ocean basins, physical and chemical nature of sea water; origin and movement of water masses, importance of the oceans to life on earth. Lab and Field trips are required. NOTE: Credit can be granted for GEO 104 or GEO 105 but not for both. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HEALING ARTS

HAO 101  Healing Arts  12 cr
Awards 12 credits to graduates of the Stillpoint Center School of Massage, Inc. who enroll in the Liberal Arts/General program or the Liberal Arts/Healing Arts Option program and earn 15 GCC liberal arts credits. The course of study at Stillpoint includes bodywork sciences of anatomy and physiology, kinesiology, pathology, and hydrotherapy; massage theory and technique of Swedish massage, body awareness, body mechanics, and therapeutic techniques; and professional development and clinical applications. (Offered: Not offered-Articulation Only)
Prereq: Graduate of Stillpoint Center School of Massage, Inc.

HEALTH FITNESS AND WELLNESS

HFW 100  Survey of Movement Science  1 cr
Provides the student with an introductory study and critical analysis of the movement science profession. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HFW 101  Introduction to Exercise Science  3 cr
Provides the student with the opportunity to examine the cardiorespiratory, musculoskeletal, and nervous systems of the body and the impact of exercise on their functioning. Topics may include the effect of changing one's own personal exercise habits, risk factors for cardiovascular disease, longevity, and quality of life. Students participate in fitness assessments for body composition, muscular strength and endurance, flexibility and cardiovascular endurance. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HFW 103  Principles of Health and Well-Being  3 cr
Provides the student with awareness and knowledge of wellness issues. This course is geared toward the development and implementation of lifestyle behaviors to encourage more positive lifestyles and overall well-being. Topics may include lifestyle choices, stress management, nutrition, weight control, physical activity, cardiovascular health, smoking, substance misuse, and sexually transmitted diseases. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HFW 104  Foundations of Movement Science I  3 cr
Provides the student with the opportunity to examine the historical and philosophical foundations of human movement and sport. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HFW 105  Foundations of Movement Science II  3 cr
Provides the student with the opportunity to examine the sociological and psychological foundations of human movement and sport. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores
HEALTH SCIENCE

HSC 101 Introduction to Patient Care Skills 3 cr
Provides a case based learning methodology through patient simulation and explores a variety of job duties related to healthcare occupations. Students learn vital signs, sterile techniques, handling of body fluids, body mechanics, Cardio Pulmonary Resuscitation (CPR), first aid and proper chart documentation. Students gain familiarity with research techniques, professionalism, ethics, cultural diversity, and communication skills in healthcare settings. (Offered: Every Fall, Every Spring)
Prereq: None

HSC 127 Survey of Health Careers 3 cr
An introduction to the responsibilities, settings and qualifications of various health careers. This course examines the role of different professionals as members of the healthcare team. Students develop strategies for achieving their career goals using self-evaluation and research. (Offered: Every Fall, Spring & Summer)
Prereq: None

HISTORY

HIS 101 Western Civilization to 1500 A.D. 3 cr
The major ideas, institutions, and developments of Western Civilization from ancient times to the Renaissance. Themes include the nature of humankind; relationship of the individual to society and the universe; the role of religion; the individual in history; the tradition to modern modes of life and thought. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HIS 102 Western Civilization Since 1500 A.D. 3 cr
Analysis of ideas, attitudes, and developments of Western Civilization from the dawn of the modern age to the present. Topics include the scientific and industrial revolutions; the rise and triumph of nation states; the French and Russian revolutions; European imperialism in Asia and Africa; socialism, communism, and fascism; dictatorships and World War II; challenge of the non-Western world. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HIS 105 History of the American People to 1865 3 cr
Economic, social, and cultural development of the American people prior to the Civil War: Utopianism; the Revolutionary Era; the development of national consciousness; consensus and conflicts; constitutionalism; the roots of American foreign policy; race relations; slavery and war. NOTE: Credit can be granted for HIS 105 or 107 but not for both. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HIS 106 History of the American People Since 1865 3 cr
Reconstruction; industrialism and triumphant capitalism; the capitalist model of society; business and the protestant ethic; labor; populism, and dissent; imperial expansion and the progressive politics; crisis in the American Dream; The Great Depression and the New Deal; minorities and change; the roots of contemporary American foreign policy to Vietnam. NOTE: Credit can be granted for HIS 106 or 108 but not for both. (Offered: Every Fall & Summer)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HIS 127 History of African-American Peoples * 3 cr
A survey of the African-American experience in the United States, including African heritage, enslavement and slavery, resistance, the Civil War and Reconstruction and their combined legacies of racism and oppression, and the continuing struggles of African-Americans for full and equal rights. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HIS 129 Introduction to Modern Africa * 3 cr
A survey of geography, climate, and the diverse ethnic and cultural groups of the continent. After a brief outline of pre-European civilizations, concentration is on Africa's history from the period of European colonization to the present. Current political, social, and economic conditions are highlighted. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HIS 131 Women in American History * 3 cr
A survey of women's roles in American history emphasizing the social history of unknown as well as famous women of diverse ethnic and class backgrounds who helped shape life and culture in America from the Colonial period through the Revolutionary era, the Frontier movement, 19th Century political activism and urbanization, and the 20th century through reform movements and the global community. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

HUMAN DEVELOPMENT

HUD 112 Assertiveness Training 1 cr
Skills training in behavior which allows individuals to express their own opinions, feelings, needs, and preferences, without unnecessary anxiety and in a way that is not threatening to others. (Offered: Periodically)
Prereq: None

HUD 114 College Success 3 cr
Designed to assist incoming students make a successful transition from high school, home, or the workplace to college. Adopts a seminar approach requiring students to use a textbook, listen to lectures, participate in discussions, and complete a variety of written and oral assignments. Adjustment and transition issues-academic, career, and interpersonal—are addressed with a structured, content-based curriculum, flexible enough to promote the exploration and resolution of individual concerns. (Offered: Every Fall, Every Spring)
Prereq: None

HUD 117 Managing Stress 2 cr
Designed to transmit basic information about how stress works to help students isolate their own stress responses, and to help them find appropriate stress reduction techniques within a lab setting. (Offered: Every Fall, Every Spring)
Prereq: None

HUD 122 Practicum in Governance 1 cr
An opportunity for students to participate in group problem solving and decision making within the context of Greenfield Community College’s governance structure. This practicum introduces the student to several skills including organizing and conducting a meeting, communicating within a group, understanding the roles of group members, handling conflict, and presenting group decisions to outside constituents. NOTE: Students receive one credit per semester upon successful completion of the course. Students may repeat this course two times, for a maximum total of three credits. GCC waives tuition and fees for this course. (Offered: Every Fall, Every Spring)
Prereq: Must be currently enrolled in GCC, must have completed one academic semester at GCC, and must be appointed in the manner required by the GCC Assembly Bylaws.

HUD 160 Mentoring 1 cr
Designed to train students to be mentors learning how to help new students by providing guidance, counsel, and practical advice in negotiating the college experience. (Offered: Periodically)
Prereq: At least second semester student
## HUMAN SERVICES

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<thead>
<tr>
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<td>HSV 271</td>
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## HUMANITIES

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<td>Introduction to Topics in Humanities</td>
<td>3 cr</td>
</tr>
<tr>
<td>HUM 110</td>
<td>Media Literacy: The World of Advertising</td>
<td>1 cr</td>
</tr>
<tr>
<td>HUM 119</td>
<td>Women in the Pioneer Valley</td>
<td>3 cr</td>
</tr>
<tr>
<td>HUM 150</td>
<td>The Lively Arts</td>
<td>* 3 cr</td>
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<tr>
<td>HUM 153</td>
<td>Media and Popular Culture</td>
<td>3 cr</td>
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## INTERDISCIPLINARY STUDIES

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<tr>
<td>IDS 108</td>
<td>Mathematics for Medical Dosage Calculations</td>
<td>3 cr</td>
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## Notes
- Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.
- Prereq: ENG 101, 103, or 105, or satisfactory placement test scores.
- Prereq: ENG 101, 103, or 105 (or concurrent enrollment); and PSY 101 (or concurrent enrollment).
- Prereq: ENG 101, 103, or 105 (or concurrent enrollment); and HSV 101 (or concurrent enrollment).
- Prereq: ENG 101, 103, or 105 (or concurrent enrollment); and HSV 101 (or concurrent enrollment).
- Prereq: ENG 101, 103, or 105 (or concurrent enrollment).
- Prereq: HSV 115.
- Prereq: HSV 215 (or concurrent enrollment).
- Prereq: HSV 215 (or concurrent enrollment).

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**Credit Courses**

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Provides experience in the performing and visual arts through attendance at Fine Arts Center Performing Arts Series concerts of music and dance at the University of Massachusetts and guided visits to university gallery exhibitions of sculpture, photography, and drawings. Guest faculty present weekly lectures about the structure and history of music, dance, and visual arts. Discussion sections help students understand and apply information from weekly assignments, lectures, exhibitions, and concerts. Free tickets provided. (Offered: Every Fall, Every Spring)

Prereq: ENG 109 and ENG 094 (COL 090), or satisfactory placement test scores.

**HUM 153 Media and Popular Culture**

A one-semester course concentrating on a specified topic or period in the humanities (art, dance, geography, history, language, literature, music, philosophy, and theater). Students learn about the disciplines of the humanities that influence and are influenced by culture, and how the interplay of passion and creativity combine to give meaning and identity to perspectives of society. Topics or major themes are announced each semester. (Offered: Periodically)

Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores, or concurrent enrollment.

**HUM 110 Media Literacy: The World of Advertising**

Examination and discussion of print, audio, and electronic advertising in our society. This course develops critical thinking and critical writing skills through the analysis of various forms of advertising media. The topics for discussion may include gender, ethnicity, race, class, and politics. (Offered: Every Fall, Every Spring)

Prereq: None

**HUM 119 Women in the Pioneer Valley**

Through historical and literary readings and original research, students explore the experience of women of the Pioneer Valley. Letters, diaries, journals, oral histories, fictional works, and other similar sources examined. (Offered: Every Fall)

Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

**HUM 150 The Lively Arts**

Provides experience in the performing and visual arts through attendance at Fine Arts Center Performing Arts Series concerts of music and dance at the University of Massachusetts and guided visits to university gallery exhibitions of sculpture, photography, and drawings. Guest faculty present weekly lectures about the structure and history of music, dance, and visual arts. Discussion sections help students understand and apply information from weekly assignments, lectures, exhibitions, and concerts. Free tickets provided. (Offered: Every Fall, Every Spring)

Prereq: ENG 109 and ENG 094 (COL 090), or satisfactory placement test scores.

**HUM 153 Media and Popular Culture**

An examination and discussion of print, audio, and electronic advertising in our society. This course develops critical thinking and critical writing skills through the analysis of various forms of advertising media. The topics for discussion may include gender, ethnicity, race, class, and politics. (Offered: Every Fall, Every Spring)

Prereq: ENG 109 and ENG 094 (COL 090), or satisfactory placement test scores.

**HUM 110 Media Literacy: The World of Advertising**

A one-semester course concentrating on a specified topic or period in the humanities (art, dance, geography, history, language, literature, music, philosophy, and theater). Students learn about the disciplines of the humanities that influence and are influenced by culture, and how the interplay of passion and creativity combine to give meaning and identity to perspectives of society. Topics or major themes are announced each semester. (Offered: Periodically)

Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores, or concurrent enrollment.

**HUM 119 Women in the Pioneer Valley**

Through historical and literary readings and original research, students explore the experience of women of the Pioneer Valley. Letters, diaries, journals, oral histories, fictional works, and other similar sources examined. (Offered: Every Fall)

Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

**HUM 150 The Lively Arts**

Provides experience in the performing and visual arts through attendance at Fine Arts Center Performing Arts Series concerts of music and dance at the University of Massachusetts and guided visits to university gallery exhibitions of sculpture, photography, and drawings. Guest faculty present weekly lectures about the structure and history of music, dance, and visual arts. Discussion sections help students understand and apply information from weekly assignments, lectures, exhibitions, and concerts. Free tickets provided. (Offered: Every Fall, Every Spring)

Prereq: ENG 109 and ENG 094 (COL 090), or satisfactory placement test scores.

**HUM 153 Media and Popular Culture**

An examination and discussion of print, audio, and electronic advertising in our society. This course develops critical thinking and critical writing skills through the analysis of various forms of advertising media. The topics for discussion may include gender, ethnicity, race, class, and politics. (Offered: Every Fall, Every Spring)

Prereq: ENG 109 and ENG 094 (COL 090), or satisfactory placement test scores.

**HUM 110 Media Literacy: The World of Advertising**

A one-semester course concentrating on a specified topic or period in the humanities (art, dance, geography, history, language, literature, music, philosophy, and theater). Students learn about the disciplines of the humanities that influence and are influenced by culture, and how the interplay of passion and creativity combine to give meaning and identity to perspectives of society. Topics or major themes are announced each semester. (Offered: Periodically)

Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores, or concurrent enrollment.

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An examination and discussion of print, audio, and electronic advertising in our society. This course develops critical thinking and critical writing skills through the analysis of various forms of advertising media. The topics for discussion may include gender, ethnicity, race, class, and politics. (Offered: Every Fall, Every Spring)

Prereq: ENG 109 and ENG 094 (COL 090), or satisfactory placement test scores.
LEISURE EDUCATION

All 1-credit LED courses are graded on a credit/no credit basis. All 2- and 3-credit LED courses are graded with letter grades.

LED 156 Principles of Weight Training 1 cr
Covers the basic training principles involved in the development of muscle strength and endurance. Includes guidelines concerning isometric, isotonic, and isokinetic progressive resistance exercises. The value of muscle strength and endurance as a lifetime physical fitness goal emphasized. (Offered: Every Fall, Every Spring)
Pre-req: None

LED 157 Aerobics 1 cr
Physical fitness exercises and techniques aimed at the development of the cardiovascular system. Exercises combined to promote flexibility, strength, and cardiorespiratory endurance through systematic approaches. Individual cardiovascular evaluation required and individual programs planned. (Offered: Every Fall, Every Spring)
Pre-req: None

LED 158 Advanced Aerobics 1 cr
Advanced physical fitness exercises and techniques aimed at the development of the cardiovascular system. Introduction of more advanced exercises that promote flexibility, strength, and cardiorespiratory endurance through systematic approaches. (Offered: Every Fall, Every Spring)
Pre-req: LED 157 or permission of instructor and a cardiovascular evaluation

LED 161 Golf 1 cr
Designed for beginners interested in the basic skills of recreational golf. Students advance at their own pace. Topics include golf rules and etiquette. Students participate in field trips. (Offered: Every Spring)
Pre-req: None

LED 162 Principles of Weight Training II 1 cr
Builds upon LED 156 Principles of Weight Training and incorporates weight training and other various exercises to create sound strategies and practices for improving fitness. (Offered: Every Fall, Every Spring)
Pre-req: LED 156 or permission of instructor

LED 167 Introductory Tae Kwon Do I (Karate) 1 cr
A basic introduction to the Korean martial art of Tae Kwon Do-Moo Duk Kwan as it has evolved from its origins in Tae Kyun in approximately 57 BC. Emphasis is on familiarization with some Korean language, stretching exercises, calisthenics, punching, blocking, and kicking techniques, practical self-defense, hyung patterns of movement and exposure to some of the philosophical underpinnings of Tae Kwon Do. (Offered: Every Fall, Every Spring)
Pre-req: None

LED 168 Introductory Tae Kwon Do II (Karate) 1 cr
Intermediate level skills and techniques of the Korean martial art of Tae Kwon Do-Moo Duk Kwan as it has evolved from its origins in Tae Kyun in approximately 57 BC. The emphasis is on familiarization with some Korean language, stretching exercises, calisthenics, punching, blocking, and

MATHEMATICS

MAT 090 Basic Mathematics Skills 3 cr
Useful as a foundation for math and math-related courses, for developing quantitative job skills, or as a refresher. Students use a variety of materials and problem-solving techniques to deepen their understanding of basic arithmetic operations, fractions, decimals, percents, and measurement. They analyze problems and arrive at solutions using the techniques of mathematical reasoning. The course emphasizes mathematical discovery and addresses issues of math anxiety, test-taking difficulties, and study skills for math. NOTE: This course may not be used to fulfill associate degree credit requirements; final grade of "D" will not be awarded in this course. (Offered: Every Fall, Spring & Summer)
Pre-req: None

MAT 094 Preparatory Course for Algebra 3 cr
A preparatory course for Introductory Algebra (MAT 105) for students with a working knowledge of arithmetic who have never had algebra before or who would benefit from a slower introduction to algebra. Students study many of the topics covered in Introductory Algebra but at a significantly more elementary level and at a slower pace. These topics include the concept of a variable, negative numbers, numeric and algebraic expressions, linear equations in one variable, positive exponents and square roots, and an introduction to graphing of equations in two variables. Students work with applications to help them understand and connect algebraic concepts to real world situations. NOTE: This course may not be used to fulfill associate degree credit requirements. Final grade of "D" will not be awarded in this course. (Offered: Every Fall, Every Spring)
Pre-req: MAT 090 or a score of 67 or higher on the Arithmetic placement test; ENG 094 (COL 090) or satisfactory placement test score or concurrent enrollment.
MAT 105  Introductory Algebra 3 cr
An introductory algebra course which assumes a working knowledge of basic arithmetic. Students study topics that include the concept of a variable, negative numbers, properties of real numbers, numerics and algebraic expressions, polynomials, linear equations and inequalities in one variable, integer exponents and coordinate geometry. The course introduces graphing of two variable equations. Students work with applications to help them understand and connect algebraic concepts to real world situations. NOTE: The course grants elective credits, which may not transfer to another institution. The course does not satisfy requirements for college level mathematics at any institution. A final grade of "D" will not be awarded in this course. (Offered: Every Fall, Spring & Summer)
Prereq: MAT 090 or a score of 67 or higher on Arithmetic placement test; ENG 094 (COL 090) or satisfactory placement test score or concurrent enrollment. Recmm: If you've never been successful in or it has been decades since you studied introductory algebra or if you received a C or C- in MAT 090, then consider taking MAT 094 before taking MAT 105.

MAT 106  Intermediate Algebra 4 cr
Develops algebra skills and a conceptual understanding of topics, and focuses on the relationship between algebraic, graphical and numerical approaches to solving problems. Students study topics that include linear equations and systems of equations, methods for solving problems, radicals and radical equations, quadratic equations and the quadratic formula, rational exponents and rational expressions. The course places emphasis on graphing in the Cartesian coordinate system with particular stress on graphing linear equations and systems of equations. Students work at times with calculators and/or computers. NOTE: The course grants elective credits, which may not transfer to another institution. This course does not satisfy requirement for college level mathematics at any institution. A final grade of "D" will not be awarded in this course. (Offered: Every Fall, Spring & Summer)
Prereq: MAT 105 (095) or a score of 67 or higher on the Arithmetic placement test and a score of 61 or higher on the Algebra placement test; ENG 090, or satisfactory placement test score, or concurrent enrollment; ENG 094 (COL 090) or satisfactory placement test score.

MAT 107  College Algebra 4 cr
The study of functions. This course is a gateway to the study of higher level mathematics and a useful preparation for courses with quantitative content. Students investigate the principles, properties, and applications of several common types of functions from numerical, algebraic, and graphical perspectives and use these functions to model real world problems. Principle types include polynomial, rational, composite and inverse functions. The course also introduces exponential and logarithmic functions and briefly examines absolute value, root, step, and piecewise functions. Students use graphing calculators extensively. (Offered: Every Fall, Spring & Summer)
Prereq: MAT 106 (096); or a score of 67 or higher on the Arithmetic placement test and a score of 91 or higher on the Algebra placement test; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

MAT 108  Precalculus 4 cr
A preparation for MAT 201 and the physical sciences. Students study principles, properties, and applications of functions and their graphs. They revisit functions introduced in MAT 107 and expand their knowledge of them. The course focuses heavily on circular trigonometric functions and introduces conic sections. Laboratory activities place particular emphasis on the use of functions to model real problems. Computers and/or graphing calculators are used to enhance the study of mathematics. (Offered: Every Spring & Summer)
Prereq: A grade of C- or better in MAT 107 or a score of 71 or higher on the College Level Math placement test; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

MAT 114  Introduction to Statistics 4 cr
An introduction to statistics that teaches broadly relevant concepts. Topics include but are not limited to graphical and numerical methods for summarizing data; linear regression and correlation; normal probability distributions; confidence intervals; statistical inference and hypothesis testing. Laboratory activities emphasize the analysis of real world data. Students use computer software to enhance the study of mathematics. (Offered: Every Fall, Every Spring)
Prereq: MAT 106 (094) or a score of 67 or higher on the Arithmetic placement test and a score of 91 or higher on the Algebra placement test; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

MAT 116  Mathematics for Early Childhood and Elementary Educators 4 cr
Provides prospective early childhood and elementary teachers with a mathematical foundation designed to support their future work teaching mathematics. Students build on their mathematical understanding, enhance their comprehension of the mathematical/problem-solving process, develop their confidence in exploring mathematical concepts, and communicate that understanding to others. Students do college level mathematics in the context of the following topics with particular emphasis on the first two: Number Sense and Operations; Geometry and Measurement; Patterns, Relations and Algebra; and Data Analysis, Statistics, and Probability. Students become conversant with the National Council of Teachers of Mathematics Principles and Standards for School Mathematics and with the Massachusetts Department of Education Mathematics Curriculum Frameworks, especially as those documents pertain to the level at which the student intends to teach. (Offered: Every Spring)
Prereq: MAT 105 (095) or a score of 67 or higher on the Arithmetic placement test and a score of 72 or higher on the Algebra placement test; must be an Early Childhood Education or Liberal Arts/Education Option major or have permission from a full-time math or education faculty person; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

MAT 117  Mathematical Problem Solving 3 cr
Provides students in the liberal arts with a foundation to mathematical reasoning and quantitative skills in decision making processes. Students focus on ideas rather than techniques as they implement problem solving strategies. The course introduces students to topics that might include, but are not limited to mathematical modeling, graph theory, the mathematics of social choice, growth and symmetry, descriptive statistics, and probability. (Offered: Every Fall, Spring & Summer)
Prereq: MAT 105 (095) or a score of 67 or higher on the Arithmetic placement test and a score of 72 or higher on the Algebra placement test; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

MAT 151  Applied Calculus I 4 cr
Provides a practical approach to the basic tools and methods of calculus. Topics include a review of polynomial, rational, exponential, and logarithmic functions and their graphs, limits, the derivative, and the integral. Students work with models and applications from many fields. Students utilize computer software and/or graphing calculators to enhance their understanding of mathematical concepts. (Offered: Every Fall, Every Spring)
Prereq: A grade of C- or better in MAT 107 or a score of 71 or higher on the College Level Math placement test; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

MAT 201  Calculus with Analytic Geometry I 4 cr
Theoretical and applied calculus for students interested in mathematics, engineering, and the physical sciences. The course assumes an understanding of polynomial, rational, exponential, and trigonometric functions. Students probe the concepts of limits, continuity, differentiation, and integration using numerical, graphical, and symbolic approaches. The course includes a thorough study of the derivative, differentiation techniques, and applications of the derivative, as well as the concepts of antiderivatives, the definite integral, and the Fundamental Theorems of Calculus. Students use computer software and/or graphing calculators in and out of class to apply and enhance their understanding of calculus concepts. (Offered: Every Fall)
Prereq: A grade of C- or better in MAT 108 or a score of 103 or higher on the College Level Math and approval from Math Dept. required; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.
Credit Courses

MAT 202 Calculus with Analytic Geometry II 4 cr
A second semester theoretical and applied calculus course for students interested in mathematics, engineering, and the physical sciences. Students should have a conceptual understanding of differentiation and integration and a working knowledge of derivatives of a wide range of functions (including trigonometric and exponential). Students examine antiderivatives and definite integrals numerically, graphically, and algebraically and work with a wide range of applications. They study and model real-world situations with differential equations and use infinite series for approximation of functions. Students use computer software and graphing calculators in and out of class to apply and enhance the understanding of calculus concepts. (Offered: Every Fall)
Prereq: A grade of C- or better in MAT 201; ENG 090 or ENG 094 (COL 090), or satisfactory placement test scores

MAT 203 Multivariate Calculus 4 cr
Theoretical and applied multivariate calculus for students interested in mathematics, engineering, and the physical sciences. The course assumes an understanding of single-variable calculus. Topics include vectors, the dot and cross products, multiple representations of functions of several variables, the gradient and directional derivatives, first and second order partial derivatives with applications including Lagrange multipliers, iterated integrals, parameterization, vector fields, line integrals, and Green's Theorem. Students use computer software and/or graphing calculators in and out of class to apply and enhance their understanding of calculus concepts. (Offered: Every Fall)
Prereq: A grade of C- or better in MAT 202; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

MAT 204 Elementary Differential Equations 4 cr
An introduction to ordinary differential equations with a dual focus on finding analytic solutions and on solving and understanding differential equations using numeric and qualitative approaches. Topics include separation of variables, methods of undetermined coefficients, integrating factor method, Euler's method, phase planes, first order linear systems, second order differential equations, an introduction to nonlinear systems, and Laplace transforms. Throughout the course, students use and formulate differential equations that model real-world situations. Students use computer software and/or graphing calculators in and out of class to apply and enhance their understanding of differential equations and their solutions. (Offered: Periodically)
Prereq: A grade of C- or better in MAT 203; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

MAT 205 Elementary Linear Algebra 4 cr
The study of matrices and vector spaces. Topics include the algebra of matrices, systems of linear equations, determinants, subspaces, linear independence, bases, linear transformations and their matrix representations, eigenvalues, eigenvectors, orthogonality, and applications to linear systems. Students gain significant computational experience with the use of computer software and/or calculators with linear algebra capabilities. (Offered: Periodically)
Prereq: A grade of C- or better in MAT 202; ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

MEDICAL OFFICE MANAGEMENT

MOM 110 Introduction to Medical Terminology 3 cr
Provides students with a foundation to recognize medical terms using the four-word part approach of prefix, word root, suffix, and combining vowel. Students master terminology related to health care delivery, with an emphasis on improving written and oral communication skills. Medical terminology is applied through the use of pathology, case studies and medical histories. Credit can not be granted for both MOM 110 and ADM 122. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

MOM 120 Introduction to Medical Coding 3 cr
An introduction to analyzing and classifying medical documents for reporting medical diagnostics, services and procedures by physicians according to current ICD-9-CM professional standards. Students learn specificity, completeness, and accuracy of coding procedures and techniques, and are introduced to ICD-10 coding system elements as they become available. Credit can not be granted for both MOM 120 and ADM 222. (Offered: Every Fall, Every Spring)
Prereq: ADM 122 or MOM 110 or permission of instructor

MOM 210 Medical Billing and Insurance 3 cr
An introduction to the concepts and processes for gathering, storing and reporting electronic and paper medical billing and insurance healthcare information. Topics include computerization of healthcare information, medical coding, computerized billing and patient care data analysis. Students learn the functions of a medical biller and how to apply the technical knowledge and skills acquired in this course to a healthcare setting. (Offered: Every Fall)
Prereq: ADM 222 or MOM 120 or permission of instructor

MOM 215 Health Information Systems 3 cr
Provides an in-depth study of health information systems. Topics include the history of health informatics in the US and current electronic health record standards. Students become familiar with software used in establishing, implementing and supporting electronic health record (EHR) systems. (Offered: Every Fall)
Prereq: GS 140 and ADM 222 or MOM 120 or permission of instructor

MOM 230 Health Information Management 3 cr
A capstone course for managing health information for a healthcare setting. Topics include maintenance of medical records in electronic and traditional formats, best practices for medical and personal information management in a healthcare setting, and current State and Federal privacy and protection rules and regulations for the management of health information. (Offered: Every Spring)
Prereq: MOM 210 and MOM 215, or permission of instructor

MUSIC

MUS 101 An Introduction to Music 3 cr
A survey of musical styles from the Baroque era into the 20th century. Musical forms, elements of music, the orchestra, and great composers are discussed in conjunction with critical listening of recorded examples and live performances. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

MUS 102 Jazz Eras and Styles * 3 cr
A survey of the evolution of jazz both from an historical and stylistic perspective. The styles illustrated include the origins of jazz from slave songs, marching band, and ragtime through New Orleans, Swing, and Modern Jazz, including the Avant-garde and Rock eras. The teaching methods focus on developing a discerning ear to better understand the different jazz eras and the unique characteristics of each jazz style. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

MUS 103 Music Theory Fundamentals 3 cr
Introductory music theory for students with little or no musical background. The course covers reading and writing notation, scales, melodic composition, and other elementary theoretical concepts. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores
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<tr>
<td>MUS 104</td>
<td>Jazz and Pop Chorus</td>
<td>2 cr</td>
<td>A performing vocal ensemble focusing on jazz and popular music choral repertoire. Students rehearse selections from various periods and styles with piano or band accompaniment. The group performs at least two public concerts each semester. The course is open to all students and previous choral experience is not required. NOTE: Students may repeat this course three times for a maximum of 8 credits. (Offered: Every Fall, Every Spring) Prereq: None</td>
</tr>
<tr>
<td>MUS 107</td>
<td>Music Theory I</td>
<td>3 cr</td>
<td>Basic choral structures, voice leading, inversions, figured bass, harmonic progressions, and non-harmonic tones. Harmonic analysis of great composers' works. Keyboard harmony and ear training. (Offered: Every Spring) Prereq: MUS 103 or permission of instructor</td>
</tr>
<tr>
<td>MUS 108</td>
<td>Music Theory II</td>
<td>3 cr</td>
<td>Dominant seventh and extended chords in root position and inversions. Modulation to closely related keys. Harmonic analysis of great composers' works. Keyboard harmony and ear training. (Offered: Every Fall) Prereq: MUS 107 or permission of instructor</td>
</tr>
<tr>
<td>MUS 111</td>
<td>Chorus</td>
<td>2 cr</td>
<td>An exploration of vocal technique and choral repertoire. Students prepare selections from the various style periods for public performance. The course is open to all students. NOTE: Students may repeat this course three times for a maximum of 8 credits. (Offered: Every Fall, Every Spring) Prereq: None</td>
</tr>
<tr>
<td>MUS 122</td>
<td>Jazz Theory: Tools for Improvisation</td>
<td>3 cr</td>
<td>An overview of the practical fundamentals of jazz theory for the beginning improviser. Students investigate chords, scales, and song forms common to the jazz idiom. Students listen and analyze recorded examples of jazz masters such as Miles Davis, John Coltrane, and others in order to enhance the student theory work and improvisation. (Offered: Periodically) Prereq: Completion of MUS 103 or permission of instructor. Recomm: Concurrent enrollment with MUS 125 Jazz Ensemble</td>
</tr>
<tr>
<td>MUS 125</td>
<td>Jazz Ensemble</td>
<td>2 cr</td>
<td>Allows students to rehearse and perform in a variety of jazz styles including &quot;Blues,&quot; &quot;Swing,&quot; &quot;Bebop,&quot; and &quot;Latin.&quot; The course stresses improvisational skills as well as ensemble expertise. Two informal presentations and a final &quot;Gala&quot; concert conclude the course. (Offered: Every Fall, Every Spring) Prereq: Permission of instructor</td>
</tr>
<tr>
<td>MUS 127</td>
<td>20th Century American Popular Music</td>
<td>3 cr</td>
<td>A cultural study of popular music in 20th century American society with emphasis on rock, folk, pop, and world fusion styles. The course examines how music technology, commercialism, and cultural diversity have influenced the development of musical styles and practices unique to American life. (Offered: Periodically) Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores</td>
</tr>
<tr>
<td>MUS 128</td>
<td>World Music Ensemble</td>
<td>2 cr</td>
<td>A performing ensemble devoted to non-Western musical traditions and practices. The course emphasizes different traditions and instrumentation according to faculty interests and student enrollment each semester. Areas of concentration may include African, South American, Asian, Caribbean, Latin American, and North American influenced combinations of traditional and popular styles. Players of all instruments are welcome to join. Frequently the class requires no previous musical experience, such as semesters when African handdrumming is the emphasis. The ensemble performs publicly twice each semester. (Offered: Every Fall, Every Spring) Prereq: Permission of instructor or program coordinator</td>
</tr>
<tr>
<td>MUS 129</td>
<td>Chamber Ensemble</td>
<td>2 cr</td>
<td>An instrumental music ensemble performing western European classical repertory for small groups. The class features works from various periods, composed or adapted for trios, quartets, and other small groups of varied instrumentation. No prior ensemble experience is required. The ensemble performs publicly twice each semester. (Offered: Every Fall, Every Spring) Prereq: Permission of instructor or Program Coordinator; basic music reading ability; basic proficiency on an instrument</td>
</tr>
<tr>
<td>MUS 137</td>
<td>World Music and Cultures</td>
<td>3 cr</td>
<td>A survey of music and culture including Native North America, Latin America, Black America, West and South Africa, the Mideast, India, Japan, and Eastern Europe. The course emphasizes strategies for understanding and listening to all kinds of music. Students do local cultural fieldwork projects and have the opportunity to produce field recordings as part of their final research project. (Offered: Periodically) Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores</td>
</tr>
<tr>
<td>MUS 138</td>
<td>Creative Musicianship</td>
<td>1 cr</td>
<td>An examination of a broad range of topics related to serious music study. The instructor leads cooperative class investigation into areas such as creative expression through free improvisation, preparing for auditions and performances, breaking creative blocks, responding to performance anxiety, adopting stretch exercises, exploring career paths, making demos, and booking gigs. NOTE: Students may repeat this course once for a maximum of 2 credits. (Offered: Every Fall, Every Spring) Prereq: Concurrent enrollment in 2 credit Applied Music Lessons. Non-music majors need permission of instructor</td>
</tr>
<tr>
<td>MUS 139</td>
<td>Contemporary Music Ensemble</td>
<td>2 cr</td>
<td>An ensemble that performs modern musical styles of rock, pop, folk-rock, and rhythm and blues. In addition, the ensemble creates original works and explores post-1945 avant-garde musical styles that have influenced popular music since the 1960s. Students should expect to practice and develop skills for reading music and playing by ear. The ensemble performs publicly twice each semester. NOTE: Students may repeat this course three times for a maximum of 8 credits. (Offered: Every Fall, Every Spring) Prereq: Permission of instructor or Program Coordinator; basic instrumental or vocal proficiency; the ability to read and play chord changes</td>
</tr>
<tr>
<td>MUS 147</td>
<td>Aural Skills I</td>
<td>1 cr</td>
<td>A practice lab in which students develop music listening and reading skills. This course emphasizes practical applications including ear training, sight singing, transcription, dictation, and conducting. (Offered: Every Spring) Prereq: MUS 103 or permission of instructor; concurrent enrollment in MUS 107</td>
</tr>
<tr>
<td>MUS 148</td>
<td>Aural Skills II</td>
<td>1 cr</td>
<td>A continuation of MUS 147, Aural Skills I. (Offered: Every Fall) Prereq: MUS 147 or permission of instructor; concurrent enrollment in MUS 108</td>
</tr>
<tr>
<td>MUS 149</td>
<td>Wind Ensemble</td>
<td>2 cr</td>
<td>An instrumental wind ensemble performing a variety of styles encompassing classical, swing, Broadway show tunes, and jazz. The course emphasizes technique of phrasing, breathing together, intonation, and style development in group playing. The director arranges ensemble music for trios, quartets, quintets or larger groups. The ensemble performs publicly twice each semester. No previous ensemble experience is necessary. NOTE: Students may repeat this course three times for a maximum of 8 credits. (Offered: Every Fall, Every Spring) Prereq: Basic instrumental proficiency; ability to read music</td>
</tr>
</tbody>
</table>
Credit Courses

MUS 150 African Percussion Ensemble * 2 cr
A course in African and African diaspora drumming and percussion genres from around the world. Students learn traditional rhythms and improvisational techniques on various instruments including ashiko drums, congga drums, West African balaphon, bells, rattles, and shakers. Classes focus on rehearsing techniques, group interaction, and traditional repertoire from various world music cultures. The ensemble performs in concert at least twice at the end of each semester. The variety of instruments and instrumental roles allows both experienced and beginner students to join at any time. NOTE: Students may repeat this course three times for a maximum of 8 credits. (Offered: Every Fall, Every Spring)
Prereq: None

MUS 207 Music Theory III 3 cr
An in-depth examination of musical structures to further develop skills for written exercises, four-part harmonic analysis, and basic keyboard harmony skills (scales and cadences). The course includes computer-lab time using software for music writing. (Offered: Periodically)
Prereq: MUS 107, MUS 108 or permission of instructor

MUS 208 Jazz Improvisation 3 cr
A beginning level course open to all instrumentalists and vocalists. This course serves as a stepping stone to the GCC Jazz Ensemble or other intermediate jazz groups. The class combines theoretical study and applied practice as means to explore harmony, rhythm, modes, scales, and the subtleties of musical conversation. One or two small jazz combos develop from within the class and provide the context for group practice. (Offered: Every Fall, Every Spring)
Prereq: MUS 103 or permission of instructor; basic music reading skills; basic instrumental proficiency

MUS 220 Songwriting 3 cr
A practical exploration of techniques for writing songs in various classic genres including the music of George Gershwin, Chuck Berry, the Beatles, Bob Dylan, Joni Mitchell, Ani DiFranco, and others. The course ties together aspects of music theory, music history, improvisation, collaboration, composition, and performance. The course also covers songwriting industry topics such as recording production and copyright law. (Offered: Periodically)
Prereq: MUS 103 or permission of instructor or Program Coordinator; basic proficiency in chordal accompaniment on guitar or piano

MUS 221 Audio Recording and Production I 3 cr
Introduces students to basic practices in computer-based audio recording, editing, and mixing. The course teaches students how to use Pro Tools software and hardware interfaces to make multi-track recordings. The course also introduces students to the role of the music producer. (Offered: Every Fall, Every Spring)
Prereq: MUS 103 or permission of instructor.

MUS 247 Aural Skills III 1 cr
A continuation of MUS 148, Aural Skills II. (Offered: Periodically)
Prereq: MUS 148 or permission of instructor; concurrent enrollment in MUS 207

APPLIED MUSIC

MUS 230 Applied Music 2 cr
Individual music lessons open to all students of any level or interest. Lessons meet for one-half hour per week. Students and instructors arrange regular meeting times on an individual basis. NOTE: There is a charge for a studio instructor fee in addition to tuition. Students may repeat this course without limit. See college course catalog for details. Students can register for only one section of MUS 230 per semester. (Offered: Every Fall, Every Spring)
Prereq: None

MUS 231 Recital Participation 0 cr
Fulfills one-fourth of recital attendance and performance requirement for music majors. Students must attend and perform in student recital events scheduled for the end of the semester. With direction from applied music instructors and the Music Program Coordinator, students are expected to prepare and perform one or more musical pieces in solo, duo, or group settings. NOTE: Students may repeat this course without limit. (Offered: Every Fall, Every Spring)
Prereq: Non-music majors need permission of Music Program Coordinator; concurrent enrollment in MUS 230 for music majors.
NUR 101  Fundamentals of Nursing  8 cr  
Provides a fundamental understanding of nursing. The course introduces the concepts of the curriculum framework: cultural proficiency, professional development, communication, collaboration, clinical reasoning and client-centered care. The nursing process, a scientific method of assessing, planning and evaluating a clients' health status is the foundation of practice. The use of Gordon's functional health patterns guides the student to fully assess the client in a variety of settings. The course introduces the student to acquisition of interviewing and physical assessment skills to guide students to provide basic nursing care to the geriatric population. Service learning projects integrate concepts and skills in health promotion activities in supervised community settings. (Offered: Every Fall)  
Prereq: Nursing Majors Only; ENG 101, 103, or 105 or concurrent enrollment in ENG 101, 103, or 105; BIO 195 and PSY 101 or concurrent enrollment in BIO 195 and PSY 101.

NUR 103  Fundamentals of Practical Nursing  12 cr  
Provides the basic principles of safe, caring and competent nursing care in classroom, laboratory, and structured health care settings. The course introduces the nursing process as a holistic, problem solving approach to studying physiological and psychosocial adaptations common to many health problems experienced across the lifespan. The course emphasizes nursing concepts such as cultural aspects of nursing care, health promotion, legal and ethical issues, documentation and role of the practical nurse. The course includes nursing skills and interventions including those related to nutrition, pharmacology, safety, infection control, wound care, surgery, mobility, aging, grief and therapeutic communication. (Offered: Every Fall)  
Prereq: PNC majors only; BIO 194 or BIO 196 or concurrent enrollment; and PSY 101 or concurrent enrollment.

NUR 105  Practical Nursing Practicum  2 cr  
Provides direct application of all the basic principles learned in NUR 103, BIO 194 and PSY 101. The course emphasizes the application of nursing concepts, skills, interventions and therapeutic communication principles to the delivery of holistic nursing care in structured health care settings. (Offered: Every January)  
Prereq: NUR 103, BIO 117 or BIO 194; PSY 101.

NUR 106  Pediatric Nursing  4 cr  
Introduces students to the uniqueness of pediatrics within our changing society. The course focuses on the care of the child through integration of theoretical principles and clinical experiences. Pediatric nursing emphasizes the ability to recognize normal growth and development and to identify deviations within the acute care and community setting. The course introduces each of the curriculum concepts as they relate to the pediatric client and family. The service learning component of the course focuses on health promotion activities as selected. (Offered: Every Spring)  
Prereq: NUR 101 or NUR 111; BIO 196 or concurrent enrollment; SOC 101 or concurrent enrollment; PSY 217 or concurrent enrollment. Recomm: Concurrent enrollment in NUR 108.

NUR 107  Nursing Care of Clients and Families  14 cr  
Focuses on the role of the practical nurse in the delivery of basic therapeutic, restorative and preventive nursing care in structured health care settings. The course emphasizes clients and their families as holistic beings adapting to common, well-defined health problems. The student uses the nursing process as a framework to study physiological and psychosocial health problems as they affect clients of all ages. The course provides instruction on anatomy, physiology and pathophysiology; physiologic changes related to all ages; nursing assessment, diagnosis and intervention, diagnostic tests and procedures; common therapeutic measures and patient education. The course includes vocational trends and entry into practice issues. (Offered: Every Spring)  
Prereq: NUR 105; PSY 217 or concurrent enrollment.

NUR 108  Obstetric Nursing  4 cr  
Focuses on the care of families during the childbearing experience, including pregnancy, labor, birth, and the initial postpartum and neonatal periods. Utilizing the nursing process, students provide care to new mothers and neonates, integrating curriculum concepts. Teaching and learning is emphasized and the course concludes with an overview of women’s health issues. The service learning component focuses on health promotion activities in selected community settings. (Offered: Every Spring)  
Prereq: NUR 101 or NUR 111; enrollment in PSY 217 or concurrent enrollment; BIO 196 or concurrent enrollment; SOC 101 or concurrent enrollment. Recomm: Concurrent enrollment in NUR 106.

NUR 109  Advanced Concepts in Practical Nursing  5 cr  
Continues to develop the knowledge and skills necessary for utilizing the nursing process through classroom and clinical experience to deliver holistic nursing care to individuals and their families as they adapt to common, well-defined health problems. Course topics include maternal, child and family nursing as well as leadership skills. The course emphasizes integration and application of all previous content in this final course of the curriculum with opportunities to practice supervision and delegation skills in the clinical area. (Offered: Every Spring)  
Prereq: NUR 107; PSY 217.

NUR 111  Introduction to Nursing Process  1 cr  
Introduces the concept of the curriculum framework: cultural competence, professional development, communication, collaboration, clinical reasoning and client-centered care. The nursing process is introduced as the foundation of professional nursing practice. Provides licensed practical nurses with the opportunity to demonstrate assessment of client’s health status through the use of Gordon’s functional health patterns and physical assessment skills. Attention to the impact and process of the LPN to RN role transition. Service learning is introduced and focuses on a health promotion activity provided in the community setting. (Offered: Periodically)  
Prereq: Advanced placement into the ADN program with successful score in Excelior Fundamentals exam; ENG 101, 103, or 105; BIO 195; PSY 101.

NUR 112  Introduction to Professional Nursing and the Nursing Process  2 cr  
Introduces the concepts of the curriculum framework: cultural competence, professional development, communication, collaboration, clinical reasoning and client-centered care. Utilizing the nursing process as the foundation for professional nursing practice provides licensed practical nurse with the opportunity to demonstrate assessment of client health care status through the use of Gordon’s functional health patterns and physical assessment skills. Nursing care planning for the older adult and maternity client and family are introduced. Comparative discussions related to the care of the pediatric client and family provide an exploration of the pediatric experience. Attention is paid to the LPN to RN transition. Introduces service learning focusing on a health promotion activity provided in the community. (Offered: Periodically)  
Prereq: Advanced placement into the ADN program with a successful score in the Excelsior Fundamentals and Maternal-Child Nursing exams; ENG 101, 103, or 105; BIO 196; PSY 217; SOC 101.

NUR 201  Medical-Surgical Nursing  1 8 cr  
Provides a correlation between nursing theory and clinical practice by applying the concepts set forth in our curriculum framework. Guides student practice delivering complete individual care for 1-2 clients, utilizing the nursing process to form the basis for integration of evidence-based practice into the provision of care of the acutely ill, hospitalized client. The service learning component focuses on health promotion activities in selected community settings. (Offered: Every Fall)  
Prereq: Both NUR 106 and NUR 108, or NUR 112; BIO 205 or concurrent enrollment in BIO 205. Recomm: Concurrent enrollment in NUR 203.
NUR 202  Medical-Surgical Nursing II  9 cr
A continuation of NUR 201 with an additional focus on developing time management and leadership skills. The course emphasizes honing the prioritization of individual client needs, and the incorporation of delegation, supervision and client advocacy into the professional nurse role. The course expands the teaching role of nurses to provide health promotion education to a selected community group. The service learning component focuses on health promotion activities in selected community groups. (Offered: Every Spring)
Prereq: NUR 201, NUR 203, ENG 112, 114, or 116 or concurrent enrollment; any 3- or 4-credit course coded AHS, ART, ASL, DAN, ENG, FLK, PRE, GGY, HIS, HUM, LAT, MUS, PCS, PHI, SPA, or THE (other than ENG 090, ENG 094 [COL 090], 101, 103, 105, 112, 114, 116) or concurrent enrollment. Recommen concurrent enrollment in NUR 204.

NUR 203  Mental Health Nursing  4 cr
Provides a correlation between nursing theory and clinical practice by applying the concepts set forth in the curriculum framework. Focuses on mental health nursing principles in the formulation of a therapeutic approach to client care. Using the nursing process, the nurse facilitates and establishes a plan of care based on an understanding of the individual, group, and society. (Offered: Every Fall)
Prereq: NUR 106 and NUR 108 or NUR 112 or BIO 205 or concurrent enrollment in BIO 205. Recommend concurrent enrollment in NUR 201.

NUR 204  Trends and Issues in Nursing  3 cr
Focuses on the political, social, economic, and legal issues that influence the nursing profession and the delivery of health services throughout the community. The course introduces the history of nursing, professional organizations, educational and employment opportunities in nursing and provides a context for professional practice. Students participate in credentialing activities related to licensure and continuing education. (Offered: Every Spring)

OUTDOOR LEADERSHIP

OLP 111  Introduction to Outdoor Adventure Skills  4 cr
Develops technical skills in four adventure program areas: backcountry travel, paddling, rock climbing, and challenge course programming. Students observe, imitate, practice and adapt technical and facilitation skills. Students participate in local and extended field trips including a model canoe expedition. (Offered: Every Fall)
Prereq: OLP students only; ENG 090 and ENG 094 [COL 090], or satisfactory placement test scores; Wilderness First Responder certification.

OLP 112  Leadership and Group Management I  4 cr
Provides an introduction to outdoor leadership history, theories, and adventure concepts and foundations. Topics include intrapersonal, interpersonal and group relations models; core competencies for effective leadership and group dynamics; values and ethics in outdoor leadership. Students use OLP learning community as a laboratory group. Students develop professional portfolio. (Offered: Every Fall)
Prereq: OLP students only; ENG 090 and ENG 094 [COL 090], or satisfactory placement test scores; Wilderness First Responder certification.

OLP 116  Adventure Program Planning and Fieldwork I  3 cr
Focuses on principles and methods of program development, risk management, and teaching strategies in the adventure recreation field. This course prepares students to plan, organize, conduct and evaluate supervised outdoor adventure programs. Students participate in field trips. (Offered: Every Fall)
Prereq: OLP students only; ENG 090 and ENG 094 [COL 090], or satisfactory placement test scores; Wilderness First Responder certification.

OLP 120  Wilderness Medical Preparedness and Rescue  2 cr
Develops student knowledge and skills in wilderness medical preparedness through core skills review and field simulations for land and water-based activities. Students participate in field trips. (Offered: Every Fall)
Prereq: OLP students only; ENG 090 and ENG 094 [COL 090], or satisfactory placement test scores; Wilderness First Responder certification.

OLP 124  Natural/Cultural History and Resource Management  2 cr
Provides an introduction to environmental studies. Topics include: ecological literacy, ethics, resource and land management, and Leave No Trace skills and Trainer certification, place-based natural and cultural history topics of the Northeast region. Students participate in field trips. (Offered: Every Fall)
Prereq: OLP students only; ENG 090 and ENG 094 [COL 090], or satisfactory placement test scores; Wilderness First Responder certification.

OLP 143  Backcountry Travel Instructor I  2 cr
Prepares students to become proficient in expedition planning, implementation and leadership of backcountry travel experiences. Students learn core competencies, design, and execute a backpacking expedition. Students participate in field trips. (Offered: Every Fall)
Prereq: OLP students only; ENG 090 and ENG 094 [COL 090], or satisfactory placement test scores; Wilderness First Responder certification.

OLP 146  Whitewater Kayaking  2 cr
Promotes an understanding of American Canoe Association (ACA) river kayaking curriculum. Topics include: moving and whitewater boat skills, strokes and maneuvers, paddling in a cold river environment, surf and rolling, and river safety. This course progresses from flatwater review through moving and whitewater to class II-III. Students participate in Advanced Swift Water Rescue training. Students participate in regional field trips to area waterways. (Offered: Every Spring)
Prereq: OLP participants only; OLP 111, OLP 112 and OLP 120.

OLP 147  Mountaineering and Ice Climbing  2 cr
Provides students with an introduction to the philosophy and principles of mountaineering and ice climbing in New England. Topics include: equipment selection and use, mountain travel, objective hazard evaluation, safety systems, snow/ice climbing techniques, and climbing experiences. This course introduces AAIRE competencies and curriculum for avalanche awareness certificate. Students participate in local and regional field trips, including New Hampshire’s White Mountains. (Offered: Every Spring)
Prereq: OLP participants only; successful completion of OLP 111, OLP 120 and OLP 143.

OLP 201  Individual Project in Outdoor Leadership I  1 cr
Introduces a student-directed learning project. Topics include: research and development of ideas and competencies related to student’s career goals, broadening understanding of the adventure industry, developing objectives, time-lines and learning outcomes for project to be completed and presented in OLP 202. (Offered: Every Fall)
Prereq: OLP participants only; ENG 090 and ENG 094 [COL 090], or satisfactory placement test scores; Wilderness First Responder certification.

OLP 202  Individual Project in Outdoor Leadership II  1 cr
Continuation of OLP 201. Students complete and present the final project involving a significant expedition planned, curriculum development, or business plan. Self, peer, and instructor assessment will focus on research, written and oral communications, and unique personal inquiry. (Offered: Every Spring)
Prereq: OLP participants only; OLP 201.
OLP 205 Leadership and Group Management II 2 cr
Continuation of OLP 112. Students evaluate core competencies in outdoor leadership. Topics include: interpersonal relations skills, group development concepts, situational leadership, self-assessment, professional portfolio and job search, application and interview process. Students participate in fieldtrips. (Offered: Every Spring)
Prereq: OLP participants only; OLP 112

OLP 216 Adventure Program Planning and Fieldwork II 3 cr
Continuation of OLP 116. Topics include: managing logistics, organizing, conducting, and evaluating outdoor adventure education programs with diverse populations. Students refine their instructional and shared leadership abilities. Students participate in field trips. (Offered: Every Spring)
Prereq: OLP Participants only; OLP 111, OLP 112, OLP 116 and OLP 120

OLP 230 Rock Climbing Instructor 2 cr
Introduces the professional Climbing Instructors Association (PCIA) instructor competencies and curriculum for institutional top rope rock climbing certification. Topics include: technical proficiency, selection of equipment, safety systems, site and group management, leadership and teaching approaches, curriculum development, and basic rock rescue. Students participate in local and regional fieldtrips, including Acadia National Park. (Offered: Every Spring)
Prereq: OLP participants only; OLP 111, OLP 112, OLP 116 and OLP 120

OLP 231 River Canoe Instructor 2 cr
Introduces American Canoe Association (ACA) instructor competencies and curriculum for certification in canoe touring and river canoe courses. Topics include hazard assessment and safety, technical knowledge and skills development, decision-making and judgment, instructional and leadership abilities in a river environment. This course progresses from flatwater review through moving and whitewater up to class II-III. Students participate in Advanced Swift Water Rescue training. Students participate in regional field trips to area waterways. (Offered: Every Spring)
Prereq: OLP participants only; OLP 111, OLP 112, OLP 116 and OLP 120

OLP 232 Nordic Ski Instructor 2 cr
Introduces Professional Ski Instructors of America (PSIA) competencies and curriculum for certification in Nordic Track and Skate and Nordic Downhill disciplines. Topics include beginner and intermediate cross-country track and ski touring skills, technical knowledge, decision-making and judgment, and instructional/leadership abilities in low to moderate elevation snow terrain. Students participate in regional field trips. (Offered: Every Spring)
Prereq: OLP participants only; OLP 111, OLP 112, and OLP 120

OLP 234 Challenge Course Practitioner 2 cr
Introduces Association for Challenge Course Technology (ACCT) low and high ropes course competencies and curriculum for certification. Topics include: adventure foundations, facilitation and technical skills, risk management, program design, delivery and evaluation. Students participate in regional field trips. (Offered: Every Spring)
Prereq: OLP participants only; OLP 111, OLP 112, OLP 116 and OLP 120

OLP 238 Coastal Kayak Instructor 2 cr
Introduces American Canoe Association (ACA) instructor competencies and curriculum for certification in kayaking touring and coastal kayaking courses. Topics include hazard assessment and safety, technical skills development, technical knowledge, decision-making and judgment, and instructional and leadership abilities in a coastal environment, including proficiency in rescues. Students participate in pool sessions. Students participate in local and regional fieldtrips, including mid-Maine Coast. (Offered: Every Spring)
Prereq: OLP participants only; OLP 111, OLP 112, OLP 116 and OLP 120

OLP 239 Backcountry Travel Instructor II 2 cr
Continuation of OLP 143. Students design, execute and evaluate a winter backcountry ski and snowshoe expedition and demonstrate core competencies for effective leadership. Topics include: advanced planning; winter navigation, snow/ice terrain, sled travel, snow shelters, cold-weather food management, and wilderness medical considerations. Students participate in field trips, including Adirondack State Park. (Offered: Every Spring)
Prereq: OLP participants only; completion of OLP 143

PEACE AND SOCIAL JUSTICE

PSJ 101 Introduction to Peace Studies 3 cr
An interdisciplinary study of the concepts of peace and the interplay of cultural, ideological and environmental factors since the end of the Cold War. This course familiarizes students with the salient concepts of positive and negative peace, peacemaking and the principles of a culture of peace and sustainability. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; Recmm: Any 3-credit course coded ANT, ECO, EVS, HSV, POL, PSY, or SOC

PSJ 120 Mediation and Conflict Resolution 3 cr
A study of the theories of conflict and conflict styles including how to define issues in mediation, reframing, neutrality and bias, and moving parties to mutually satisfactory resolution. Students explore the role of mediator as a neutral third-party who facilitates resolution which is designed by the parties based on their needs. Class includes simulated mediations and has a skills-based component. (Offered: Every Fall)
Prereq: ENG 101, 103 or 105

PSJ 225 Peacemaking and Sustainability in Practice: Strategies for a Sustainable Future 3 cr
An exploration of strategies for social change and creating an ecologically sustainable future. Students study the history of nonviolent and environmental movements and actions, the women and men who promote nonviolence and sustainability and under what cultural conditions social change occurs. The course gives special attention to the strategic significance of direct individual actions. Students complete a related service learning component in the form of a placement or action in the wider community. Special Requirement: Service Learning component of 21 hours is required. (Offered: Every Spring)
Prereq: PSJ 101 or EVS 101; Recmm: PSJ 101 and EVS 101

PERSONAL COMMUNICATION SKILLS

PCS 101 Public Speaking 3 cr
Principles of public speaking as communication, stressing the role of the speaker in the communication process. The course emphasizes the proper preparation and delivery of speeches. Each student delivers a minimum of five speeches and participates in small group activities. NOTE: Students may receive credit for PCS 101 or PCS 131, but not both. (Offered: Every Fall, Spring & Summer)
Prereq: ENG 101, 103, or 105 or concurrent enrollment

PCS 121 Small Group Discussion 3 cr
Principles of communication, stressing the role of the leader/participant in small group discussion. The course emphasizes proper preparation for group learning, problem solving and meeting management. Students participate in role-playing exercises that are based on community and industrial models of leadership and management styles, coupled with critical listening skills. (Offered: Periodically)
Prereq: ENG 101, 103, or 105 or concurrent enrollment
PHI 102 General Physics II 4 cr
An introduction to the fundamental dimensions of religion and the central teachings and practices of Judaism, Christianity, and Islam. Through readings, site visits to and dialogues with practitioners, students explore how these religions shape both individual lives and modern societies. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

PHI 110 Eastern Religions * 3 cr
An introduction to the fundamental dimensions of religion and the central teachings and practices of Hinduism, Buddhism, and the religions of China and Japan. Through readings, site visits to and dialogues with practitioners, students explore how these religions shape both individual lives and modern societies. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

PHI 204 Issues in Ethics and Social Philosophy * 3 cr
Examines the theoretical and historical foundations of bioethics. Emphasis on the application of ethical theory to the analysis of contemporary issues in health care. Special attention to the cultural content of ethical problems, specifically issues of race, class, and gender. (Offered: Periodically)
Prereq: ENG 101, 103, or 105 or PHI 104 or permission of instructor

PHI 205 Biomedical Ethics 3 cr
An examination of the ethical issues involved in the application of contemporary methods of health care. Special attention to the cultural content of ethical problems, specifically issues of race, class, and gender. (Offered: Periodically)
Prereq: ENG 101, 103, or 105 or PHI 104 or permission of instructor

PHI 206 Environmental Ethics 3 cr
An examination of how philosophy has contributed to our thinking about environmental issues. The course surveys major influences in the development of environmental ethics including: the land ethic, biocentrism, deep ecology, ecofeminism, and social ecology. Applications to specific environmental issues allow students to clarify their own views and hone their critical thinking skills. (Offered: Periodically)
Prereq: ENG 101, 103, or 105 or permission of instructor

PHYSICS

PHY 101 General Physics I 4 cr
An algebra-based physics course with topics including vector algebra, mechanics of particles and rigid bodies, and conservation laws. The course prepares students for further study in the fields of science, mathematics, and health professions. Students use physical concepts and mathematical relations to solve physics problems. The course meets in the Physics lab and uses a combination of lectures, demonstrations, discussion, and laboratory exercises. Students develop skills in the use of modern computer software packages and graphing calculators. (Offered: Every Fall)
Prereq: MAT 107, or placement by examination beyond MAT 107, or permission of instructor

PHY 102 General Physics II 4 cr
A continuation of PHY 101, non-calculus treatment of the fields of light, electricity, and magnetism, and atomic and nuclear physics with some topics from modern physics. Lab required. (Offered: Every Spring)
Prereq: PHY 101 or permission of instructor

PHY 111 General Physics I with Calculus 4 cr
A calculus-based physics course intended primarily for students preparing for careers in science, mathematics, or engineering. Topics covered include kinematics, mechanics of particles and rigid bodies, and conservation laws. The course emphasizes the use of the concepts of physics to solve problems. This course meets in the Physics laboratory with a combination of lecture, demonstration, discussion, and laboratory exercise. (Offered: Every Fall)
Prereq: MAT 201 or concurrent enrollment in MAT 201

PHY 112 General Physics II with Calculus 4 cr
A calculus-based study of the laws of electricity and magnetism. Topics include properties of electricity and magnetism, fields, elementary electric current analysis, wave motion, electromagnetic waves. This course is taught in the Physics Laboratory using a combination of lecture, demonstration, discussion, and laboratory exercise. (Offered: Every Spring)
Prereq: PHY 111; MAT 202 or concurrent enrollment in MAT 202
Credit Courses

POL 105  International Politics  3 cr
Traditional principles of international relations and emerging new problems from a political perspective - population, environment, energy, natural resources, economic interdependence, rapid technological change. Provides a global context for dealing with new and developing international considerations. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

POL 203  American Civil Liberties  3 cr
Freedom of expression in history and in contemporary America; the role of the Supreme Court in the maintenance of civil liberties; the influence of official and popular pressures. Includes consideration of religion, assembly, the press and speech, as well as the rights of the accused and constitutional standards of equality. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

POL 205  American Foreign Policy  *  3 cr
An introduction to America's role in world affairs, especially since World War II. Attention is given to the underlying principles of American foreign relations; to the American foreign policy process; to the instruments of modern foreign policy; and to the contemporary foreign policy environment: Soviet-American relations, Western Europe, the Middle East, Africa, Latin America, and the Far East. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.
Recomm: POL 103

POL 207  Politics of the Middle East  3 cr
Examines the politics of the Middle East from a thematic perspective and explores issues such as the formation of the state of Israel, oil, terrorism and modernization. The course focuses on particular political systems such as Democracy, Theocracy and Monarchy and countries such as Israel, Iran, and Saudi Arabia. The course also examines the current dynamic within Islam. (Offered: Every Spring)
Prereq: POL 103 or POL 205 or permission of the instructor.

PSY 101  Principles of Psychology  3 cr
Introduction to the field of psychology and human behavior. The student considers such topics as the history of psychology, research methods, psychophysiology, sensation, perception, learning, cognition, memory, development, motivation, personality, and mental illness. (Offered: Every Term)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

PSY 209  Abnormal Psychology  3 cr
A review of research methods, assessment procedures, the history of mental illness, and the major perspectives utilized in understanding mental illness. The course gives particular attention to the diagnostic system and categorization of conditions as developed by the American Psychiatric Association's Diagnostic and Statistical Manual (DSM) as well as attention to current psychotherapeutic and psychopharmacological treatment interventions. (Offered: Every Fall, Spring & Summer)
Prereq: PSY 101

PSY 210  Statistics for Psychology and the Social Sciences  3 cr
An introduction to statistics for students interested in careers in psychology or related fields in social sciences. Students analyze the use of descriptive and inferential statistics for an understanding of various qualitative and quantitative research strategies with application to psychological and social problems. Students use a computer based statistical package to analyze data. The course provides a basic background in the design of preliminary research strategies, research analysis and critique as well as provides an analytical approach to research articles in psychology and social sciences. (Offered: Every Fall)
Prereq: ENG 112, 114 or 116; PSY 101; MAT 105 (095). Recomm: MAT 106 (096)

PSY 212  Research Methods in Psychology  3 cr
Examines research methods in psychology as well as the importance of understanding the methodology to conduct research. Topics include typical research methods in psychology, ethical issues, interpretation and communication of research methods and results. (Offered: Every Spring)
Prereq: PSY 101, PSY 210 or MAT 114 or permission of Social Sciences department chair. Recomm: ENG 101, ENG 103, or ENG 105

PSY 214  Psychology of Peace, Conflict and Violence  3 cr
A focus on the key concepts of peace psychology: the relationships among violence, social inequalities, peacemaking and the pursuit of social justice. Topics include ethnic conflict, family violence, hate crimes, militarism, conflict management, social justice, nonviolent approaches to peace, and peace education. Students examine systems of violence and systems of peace. Through lectures, discussions, readings, experiential activities, projects, film, and dialogue, students study the philosophy of non-violence, and develop more complex views of the immediate causes of violence and deeper appreciation for the structural roots of violence with an emphasis on healing from trauma through reconciliation methods. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.
Any 3-credit course coded ANT, ECO, EVS, HSV, POL, PSY, or SOC. Recomm: ENG 101, 103, or 105; PSY 101 or PSY 103

PSY 215  Theories of Personality  3 cr
An exploration and application of the major schools of personality theory: psychoanalytic, trait, biological and evolutionary, behavioral, cognitive, humanistic, relational, and sociocultural. (Offered: Periodically)
Prereq: PSY 101. For HSVLHS majors, HVS 101 is also required.

PSY 217  Human Growth and Development  3 cr
A survey of human physical, psychological, and social development from birth through death. Framework for the study of the individual's cumulative, integrative growth experience. Theories of development and their applications. (Offered: Every Fall, Spring & Summer)
Prereq: PSY 101 or permission of instructor.

PSY 220  Social Psychology  3 cr
An introduction to the scientific study of how individuals think, feel, perceive, and behave in a social context. The course explores the intersections of psychology and sociology including the self, social cognition, perception, emotions, attitudes, pro-social and anti-social behavior, attraction, prejudice, and group behavior. The course introduces theoretical perspectives and research on individual behavior within a social context. NOTE: Students may earn credit for PSY 220 or SOC 220 but not both. (Offered: Every Spring)
Prereq: SOC 101 or PSY 101; Recomm: SOC 101 and PSY 101; ENG 101, 103, or 105

PSY 225  Psychology of Women  *  3 cr
An exploration into the behavior and personality of women as seen through their own eyes. Topics for investigation are dispelling the myths and mysteries about the development of women, significant gender differences, the quest for a separate identity, transitional changes and adaptation, and the possibilities for a more generative view of the human life cycle. (Offered: Every Fall)
Prereq: PSY 101 or SOC 101 or ANT 104 or permission of instructor.

PSY 233  Child Behavior and Development  3 cr
Focuses on the development of the child from conception to adolescence. The concept of development is explored in depth and all aspects of the developing child are considered: social, emotional, physical, verbal, intellectual, and creative. Major theories of child development are reviewed. Research in child development is studied with particular attention paid to naturalistic observation. (Offered: Every Fall, Every Spring)
Prereq: PSY 101 or permission of instructor.
Credit Courses

**PSY 277  Psychology of Death and Dying  3 cr**
Designed to be both expository and didactic, this course enhances students' understanding of death and dying from a psychological perspective. Topics include the nature of death anxiety, grief and mourning, and the role of the caregiver. It also explores ethical considerations in end-of-life care, including euthanasia and organ donation. (Offered: Every Fall, Every Spring)

**SCI 103  Astronomy  4 cr**
An introductory course in Astronomy. Students examine the history of the universe from 13.7 billion years ago to the present. Concepts include the nature of space and time, Quasars, galaxies, stars, star systems, planets, and life, and how each has changed over time. Coursework involves independent research and observation. Students learn to work with mathematical models and use scientific calculators. (Offered: Every Fall, Spring & Summer)

**SCI 110  Community Energy Solutions  1 cr**
Explores community-based solutions to our current environmental, energy and climate change crises. Students learn the fundamental concepts of energy use and conservation, different regional energy sources and their environmental and economic impacts, with an emphasis on exploring how sustainable energy systems create opportunities for social and economic justice. Students participate in field trips to grass-roots energy projects in the community. Special Requirement: Field trips required. (Offered: Every Fall, Every Spring)

**SCI 111  Survey of Science and Technology  3 cr**
An introduction to selected principles, concepts, and technological applications in physics, chemistry, and biology. Students will construct these concepts through laboratory activities and gain an understanding of the irrelevance and relationship to the world around them. (Offered: Periodically)

**SCI 112  Fundamentals of Electricity  3 cr**
An introduction to electricity with an emphasis on sustainable energy applications. Topics include DC/AC circuit operation, electrical distribution systems, common semiconductor devices, the National Electrical Code, electrical safety, and common electrical methods and techniques. Special Requirement: Field trips required. (Offered: Every Fall, Every Spring)

**SCI 114  Residential Construction Fundamentals  3 cr**
An introduction to residential construction techniques with an emphasis on basic construction skills. Students explore the safe work habits of tradespeople, construction systems and material handling. Topics include site assessment, material analysis, safety, use of power and hand tools, framing, insulation, thermal control practices, and design process overview. Students integrate green, environmentally-responsive practices into each component of the course. Special Requirement: Students must provide language arts, social science, and math requirements. (Offered: Every Fall)

**SCI 116  Introduction to Geothermal Heating and Cooling  1 cr**
An introduction to geothermal heating and cooling with particular emphasis on ground source heat exchange systems. Topics include geothermal basics, ground loop selection and design, building evaluation and equipment sizing, performance monitoring and verification. Site visits to geothermal system installations reinforce classroom learning. Special Requirement: Field trips required. (Offered: Periodically)

**SCI 117  Meteorology  4 cr**
An introductory course in meteorology, which is a study of how the atmosphere interacts with solar energy to create dynamic weather patterns. Students learn the basic meteorological and climatological principles to the study of local and regional weather patterns. Students do a portion of their work in the computer lab. (Offered: Every Fall, Spring & Summer)

**SCI 118  Greenhouse Gas Assessment and Carbon Cap and Trade  1 cr**
An introduction to the policy and technical issues of greenhouse gas assessment and reporting, and carbon cap and trade mechanisms. Students learn about existing European cap and trade models; the issues associated with instituting a cap and trade program in the US; how to assess greenhouse emissions for registration and trading purposes; and the evolving carbon trading markets. (Offered: Periodically)

**SCI 119  Introduction to Global Warming  3 cr**
An introduction to global warming and global climate change. Topics include climate change history and projections, the impacts of climate change, vulnerability and adaptation to climate change, and strategies to reduce the impact of global warming. (Offered: Periodically)

**SCI 120  Sustainable Energy: Theory and Practice  4 cr**
Explores the theoretical and practical aspects of renewable and nonrenewable energy sources with an emphasis on sustainable energy use and efficiency. Students investigate fundamental scientific concepts in biology, chemistry and physics—underpinning energy efficiency and renewable energy (RE/EE) strategies and technologies, and provide a foundation for further technical study in the college certificate and degree programs. Topics include conventional and alternative power generation, solar (thermal and electric), wind, transportation, green building and building efficiency, climate change, bioenergy, sustainable agriculture and others. Field trips and labs provide hands-on experience working with a variety of energy technology models. Students explore potential career and educational pathways in the field. Special Requirement: Field trips required. (Offered: Every Fall, Every Spring)

**SCI 121  Introduction to Photovoltaic (Solar Electric) Technology  3 cr**
An introduction to photovoltaic (solar electric) technology for students with a strong personal interest in photovoltaics (PV) as well as those considering a career in solar electric technology. This course provides students with the theoretical basis for understanding the various types of solar electric systems. The course covers the history of solar electricity, current markets and industry status, basic electrical theory, and other considerations necessary for solar electric systems. Topics include a detailed study of system components as well as the proper and safe electrical interconnection of these components and includes hands-on training exercises and experiments. Local visits to PV related facilities and assembly of real world systems examples reinforce classroom learning. Special Requirement: Field trips required. (Offered: Every Fall & Summer)

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**SCI 122**  **Solar Domestic Hot Water**  **1 cr**
An examination of solar hot water systems for heating water for residences. Topics include the environmental benefits and economics of solar hot water systems, siting and sizing systems, choosing appropriate equipment, descriptions of all components as well as their assembly and function. Students assemble a solar system to heat water. Special Requirement: Field trips required. (Offered: Periodically)
Prereq: MAT 105, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores

**SCI 123**  **Passive Solar Technology**  **1 cr**
An examination of the history, science and implementation of passive solar technologies to offset heating, hot water and lighting needs for a house and commercial/industrial buildings. Topics include fundamental principles such as structure orientation, proper glazing materials and installation, use of thermal mass, adequate ventilation, landscape features for cooling, and others. Students see and visit real world applications of these technologies. Special Requirement: Field trips required. (Offered: Periodically)
Prereq: MAT 105, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores

**SCI 124**  **Energy Conservation and Efficiency**  **1 cr**
An exploration of the methods and equipment to improve the energy efficiency of existing and new structures. These energy uses include heating/cooling loads and electrical consumption. Students learn how to use existing technology to assess energy usage, evaluate opportunities for reducing and managing loads, and learn best current practices. (Offered: Periodically)
Prereq: MAT 090 or satisfactory placement test score

**SCI 125**  **Sustainable Landscape Design**  **3 cr**
An exploration into the fundamentals of landscape design with particular attention to integrating both existing and new buildings sustainably into their landscapes. Students investigate sustainable design strategies that address the ecological, water, energy and food system links between buildings and their supporting sites, as exemplified by the LEED (Leadership in Energy and Environmental Design) rating system. Topics include geology, hydrology, soils, vegetation, design principles, green roofs, green walls, rainwater collection systems, native planting, edible landscapes, and the human dimension of landscape architecture. Special Requirement: Field trips required. (Offered: Periodically)
Prereq: MAT 090, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores

**SCI 126**  **Residential Energy Efficiency and Energy Auditing**  **3 cr**
An exploration of the methods and the skills required to perform energy audits of residential buildings. Topics include methods of energy conservation; elements and steps of energy auditing; insulation of walls, foundation and attic; door and window infiltration reduction; lighting and electrical efficiency; heating system analysis and efficiency; hot water system analysis and efficiency; energy monitoring and measuring equipment; energy audit reporting; and sustainable energy systems. Students perform a residential energy audit. Successful completion of SCI 126 prepares students to take the Building Performance Institute (BPI) Building Analyst I written exam. Special Requirement: Field trips required. (Offered: Every Fall, Every Spring)
Prereq: MAT 105, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores. Recomm: Concurrent enrollment in SCI 136 (Applied Residential Energy Auditing) is recommended for those desiring a hands on component to energy auditing.

**SCI 127**  **Introduction to Sustainable Design and Green Building**  **3 cr**
An introduction to sustainable design and Green building. Topics include the study of energy issues related to buildings. Additional topics include residential building site analysis and design; air, heat and moisture flow; Green building materials; climate and designing with nature; energy conservation and efficiency; sustainable energy systems; and on-site power generation. Students visit Green buildings to reinforce classroom learning. Special Requirement: Field trips required. (Offered: Every Fall, Every Spring)
Prereq: MAT 105, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores

**SCI 128**  **Solar Thermal Systems**  **3 cr**
An examination of solar water heating for domestic hot water, house heating, swimming pool heating, process heating and electrical generation. Topics include system economics, environmental benefits, siting and sizing of systems, types of systems, equipment installation, operation and maintenance. Students assemble and operate a domestic solar hot water system. Special Requirement: Field trips required. (Offered: Periodically)
Prereq: MAT 105, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores

**SCI 129**  **Fundamentals of Wind Energy**  **3 cr**
An introduction to the practice and theory of wind electric generation. Topics include homeowner, small/business, utility, interior, offshore, grid tied and off grid wind systems; mechanical and electrical components; economic viability; environmental, aesthetic and safety concerns; and laws and permits. Students participate in the site visits and meet with wind energy experts. Special Requirement: Field trips required. (Offered: Every Spring)
Prereq: MAT 105, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores. Recomm: SCI 112

**SCI 130**  **Extreme Insulation Retrofits**  **3 cr**
An examination of the science and techniques of super insulating existing homes to significantly reduce heating energy requirements in an environmentally sound manner. Topics include building construction as it relates to insulation, current problems in insulation envelopes, heat loss in buildings, insulation priorities, insulation material characteristics, costs, construction strategies for insulating basements, walls and roofs, and demonstrations of insulation materials. Students participate in site visits. Special Requirement: Field trips required. (Offered: Every Fall, Every Spring)
Prereq: MAT 105, ENG 090, and ENG 094 (COL 090), or satisfactory placement test scores. Recomm: SCI 126

**SCI 131**  **Introduction to Piping**  **2 cr**
An introduction to piping and materials used to install various piping systems, with an emphasis on solar thermal energy applications. Topics include analysis and characteristics of the most commonly used piping system materials - copper, steel and polyvinylchloride (PVC); best methods to join these materials; and calculation and proper assemblage of basic piping projects. NOTE: Course is taught at an off campus location. Special Requirement: Must possess physical ability to use power tools. (Offered: Periodically)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores

**SCI 132**  **Introduction to Heating, Ventilation and Air Conditioning**  **3 cr**
An examination of the basic principles of heating, ventilation, and air conditioning (HVAC). Topics include heat transfer, air conditioning and refrigeration cycles; hydronic and air system components; differentiation between system types; equipment and tools needed for common and emerging HVAC technologies. Students explore heat recovery ventilators, humidifiers, filters, geothermal heat pumps and assess both traditional and renewable energy / energy efficiency job opportunities in the HVAC industry. This course includes basic hands on HVAC training. NOTE: Course is taught at an off campus location. Special Requirement: Must possess physical ability to use power tools. (Offered: Periodically)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores
SCI 133  Introduction to Architectural Modeling with ArchiCAD  2 cr
An introduction to ArchiCAD, a 3-D architectural modeling and BIM (Building Information Management) software program. The course introduces CAD (Computer Assisted Drawing) basics such as working with pens, layers, fills, textures, objects and stories, before moving into more advanced topics including building modeling, presentation rendering, animation creation, and drawing layout. Students create a 3-D model of a building and generate architectural plans, sections, elevations, rendered perspectives, and even "fly through" animations. Special Requirement: Students should have a basic knowledge of how to operate a computer.  (Offered: Every January)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores

SCI 134  Building with Earth, Straw, Wood, and Stone  3 cr
Explores aspects of building with minimally-processed, locally available, plentiful, natural and recycled building materials with an emphasis on residential construction. Students learn techniques for working with straw bale, cordwood masonry, cob, "Earthship" rammed-earth tires, light straw, earth plasters, etc. through research, projects, hands-on activities and field trips. Students examine natural building materials impact on energy efficiency and the environment. Special Requirement: Use of power and hand tools. (Offered: Periodically)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores; physical ability to use power and hand tools. Recomm: SCI 114, SCI 127

SCI 135  Green Career Exploration  1 cr
Explores the diverse array of expanding green career opportunities and the impact of sustainability on existing occupations and industries. Students identify local career opportunities while engaging community members and organizations. Students develop important work-finding skills such as resume creation, interviewing and networking. Special Requirement: Field trips required. (Offered: Periodically)
Prereq: None

SCI 136  Applied Residential Energy Auditing  1 cr
A hands-on use of equipment for conducting a residential home energy efficiency audit. Students perform an inspection and evaluation of the exterior and interior of an actual structure; operate a blower door and measure air leakage; evaluate air sealing and insulation; test heating systems, stoves and water heaters. Successful completion of SCI 136 prepares students to take the Building Performance Institute (BPI) Building Analyst I Field Exam. Special Requirement: Must possess physical ability to use power tools. Must be able to handle test equipment weighing up to 20 pounds. Must be able to climb short ladders and be capable of wearing a respirator and a dust mask. (Offered: Every Fall, Every Spring)
Prereq: SCI 112 or permission of instructor, and MAT 105

SCI 137  Permaculture Design  4 cr
An introduction to permaculture; a practice of designing systems, modeled from ecological relationships, that respects the land while serving its inhabitants. Topics include permaculture theory, innovative techniques, systems-thinking, and site assessment and analysis. Lab components include hands-on learning and technical skills through field work on campus, field trips, and design studio. Students apply these skills to a real design project and recommend appropriate permaculture applications such as perennial food production, soil regeneration, and integrated water management. Special Requirement: Field trips required. (Offered: Every Spring)
Prereq: ENG 090, ENG 094 (COL 090), and MAT 090, or satisfactory placement test scores. Recomm: SCI 125

SCI 138  Soil Science  4 cr
An introduction to the basic principles of soil science. Students study the physical, chemical and biological properties of soil as they relate to agriculture, horticulture, forestry, landscaping and environmental science. Topics include soil morphology, formation, fertility, chemistry, testing and conservation; ecological relationships; agricultural applications; plant nutrition and fertilization; environmental and water resource management. Special Requirement: Field trips required. (Offered: Every Fall)
Prereq: MAT 090, ENG 090 and ENG 094 (COL 090) or satisfactory placement test scores

SOC 101  Principles of Sociology  * 3 cr
The study of society through basic concepts and scientific methodology. Examines culture, social systems, institutions, status, role, norms, interaction, deviance, small groups, and social stratifications. (Offered: Every Fall, Spring & Summer)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

SOC 106  Social Inequality  * 3 cr
Introduces students to the theories and fundamental concepts of social diversity and social stratification in the United States. Through an individual, cultural, and systemic lens, students examine the construction of identities, including race, gender, sexual orientation, religion, class, and dis/ability. This course provides a sociological understanding of the social construction of difference and inequality and combines cognitive and experiential learning to promote recognition, understanding, and acknowledgement of disparate experiences of equality in the United States. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores; Recomm: SOC 101
SOC 108  Crime & Punishment in the U.S.: A Sociological Overview * 3 cr
An examination of a variety of perspectives on crime and punishment in U.S. society—from personal testimonies to historical accounts, from statistical reports and articles to documentary film and popular media. This interdisciplinary course is appropriate for a wide variety of students in social sciences, criminal justice, humanities, and the arts. Its aim is to cultivate a transformative conversation between students of diverse backgrounds. Topics include: History of Incarceration in the U.S., the economics of the contemporary prison system, gender and incarceration, concepts of retributive and restorative justice, race and the legacies of slavery, enfranchisement and education, and shifting attitudes towards crime and punishment. Classes meet at the Franklin County House of Correction (FCHC) in Greenfield. (Offered: Every Fall, Every Spring)
Prereq: Special application and interview process; permission of the instructor/Education Director at FCHC required.

SOC 201  Social Problems * 3 cr
A sociological examination of the nature, structure, causes, and consequences of social problems, with a particular focus on their interconnections. The course uses major theoretical frameworks to examine social problems at both the micro and macro level. The course investigates a variety of social problems, with a focus on problems in the United States. The course examines how to define and distinguish social problems from social issues. (Offered: Every Fall, Every Spring)
Prereq: SOC 101

SOC 203  Sociology of the Family * 3 cr
A sociological focus on the structure and role of the family including the impact of culture, age, gender, and class in the contemporary United States. The course investigates the significance of social forces, attitudes and policies on the structure of the family. Students learn about the relationship between the family and other institutions in society. The course focuses on an understanding of historical shifts in household organization and family behavior in the U.S., including recent controversial topics regarding how contemporary United States society defines a family. (Offered: Periodically)
Prereq: SOC 101 or PSY 101

SOC 204  Sociology of Education 3 cr
A sociological understanding of the role of the educational system in the United States. The course investigates the function of schooling, the social stratification evident in schools, and the outcomes of the educational process. Students investigate the relationship between education policy and practice and everyday educational experiences. Students study the consequences of social inequality, especially as rooted in economics and funding for education. The course focuses on an overall understanding of the role of public education as it is constructed in our lives. (Offered: Periodically)
Prereq: SOC 101, SOC 106, EDU 111, EDU 101, or PSY 101

SOC 206  Sociology of Human Sexuality: Behaviors, Experiences, and Identities 3 cr
A sociological perspective on human sexuality. The course provides an overview of historical and contemporary perspectives on sexuality. The course focuses on the construction of meaning of sexual behavior and experience, sexual orientation, and identity. Students study the impact of culture, religion, race, gender, and other social identities on sexuality. Students examine the inextricable nature of the meaning of sexuality and the socio-political milieu. The course investigates the significance of social policies on sexuality. Students learn about the relationship between the seemingly individual experience of sex and the larger social structures of society. (Offered: Periodically)
Prereq: SOC 101

SOC 208  Sociology of Gender * 3 cr
A focus on sociological dimensions of gender. This course examines the ways in which society and its institutions create, maintain and reproduce gender. Students investigate how gender categories are constructed and represented, and examine the consequences of these categories for the lives of individuals. Students learn about the significance of gender differences in the experiences of women, men, and transgender people on the micro and macro levels. The course investigates structural inequalities and the reproduction of those hierarchies in social processes and in everyday life, especially within the matrix of race, class, and gender. Contemporary research on gender is incorporated into the course. (Offered: Periodically)
Prereq: SOC 101

SOC 220  Social Psychology 3 cr
An introduction to the scientific study of how individuals think, feel, perceive, and behave in a social context. The course explores the intersections of psychology and sociology including the self, social cognition, perception, emotion, attitudes, pro-social and anti-social behavior, attraction, prejudice, and group behavior. The course introduces theoretical perspectives and research on individual behavior within a social context. NOTE: Students may earn credit for PSY 220 or SOC 220 but not both. (Offered: Every Spring)
Prereq: SOC 101 or PSY 101; Recmm: SOC 101 and PSY 101; ENG 101, 103, or 105

SPANISH

SPA 101  Elementary Spanish I 4 cr
Fundamentals of Spanish. The course emphasizes the acquisition of language functions, vocabulary, structures, and culture through contextualized presentations, interactive activities and extensive laboratory practice. (Offered: Every Fall, Spring & Summer)
Prereq: None

SPA 102  Elementary Spanish II 4 cr
Fundamentals of Spanish. The course emphasizes continued acquisition of language functions, vocabulary, structures, and culture through contextualized presentations, interactive activities, and extensive laboratory practice. (Offered: Every Fall, Spring & Summer)
Prereq: SPA 101 or equivalent.

SPA 109  Spanish for Native Speakers I 1 cr
A survey of the basic components of Spanish with an emphasis on the unique needs of native Spanish speakers who have not studied the language in an academic setting. Particular attention paid to written expression, but also takes advantage of the students’ background in and intuitive knowledge of spoken language. For native speakers of Spanish. (Offered: Periodically)
Prereq: None; for native speakers of Spanish

SPA 111  Spanish Skills Practice I 2 cr
An intensive immersion workshop conducted in Spanish. For students who have completed at least SPA 101 or who are returning to the study of Spanish. Using the material studied in SPA 101, students practice and internalize the basic building blocks of Spanish in listening, speaking, reading, and writing. Class time is spent on pair and small group work, drill, video, readings, and authentic materials. (Offered: Every January)
Prereq: SPA 101 or equivalent or permission of instructor

SPA 112  Spanish Skills Practice II 2 cr
An intensive immersion workshop conducted in Spanish for students who have completed at least SPA 102 or who are returning to the study of Spanish. Using the material studied in SPA 102, students practice in order to internalize the basic building blocks of Spanish in listening, speaking, reading, and writing. (Offered: Every January)
Prereq: SPA 102 or equivalent, or permission of instructor
SPA 124  Spanish for Health Professionals  4 cr
Emphasizes the fundamentals of Spanish both for students seeking positions in health related fields and those already working in the profession. The course focuses on “survival” Spanish language skills and cross-cultural training for health professionals. Students develop their command of Spanish in specific job related areas. The course prepares participants for those aspects of Hispanic/Latino cultures that have an impact on their work. Much of the class is spent working in pairs and small groups role-playing situations that participants will encounter on the job. (Offered: Every Fall)
Prereq: SPA 201 or equivalent.

SPA 133  Spanish for Law Enforcement  4 cr
Emphasizes the fundamentals of Spanish both for students seeking positions in law enforcement and those already working in the profession. The course focuses on “survival” Spanish language skills and cross-cultural training for law enforcement professionals. Students develop their command of Spanish in specific job related areas. The course prepares participants for those aspects of Hispanic/Latino cultures that have an impact on their work. Students spend much of the class working in pairs and small groups role-playing situations that participants encounter on the job. (Offered: Every Spring)
Prereq: None

SPA 143  Spanish for Educators  3 cr
Emphasizes the fundamentals of Spanish both for students seeking positions in education and those already working in the profession. The course focuses on “survival” Spanish language skills and cross-cultural training for professionals in education. The course develops the participants’ command of Spanish in specific job related areas. The course prepares participants for those aspects of Hispanic cultures that have impact on their work. Students spend much time working in pairs and small groups role-playing situations that participants encounter on the job. (Offered: Periodically)
Prereq: None

SPA 163  Spanish for Firefighters  3 cr
Emphasizes the fundamentals of Spanish both for students seeking positions in the fire services and those already working in the profession. The course focuses on “survival” Spanish language skills and cross-cultural training for firefighters, including those who are also paramedics or EMTs. Students develop their command of Spanish in specific job related areas. The course prepares participants for those aspects of Hispanic/Latino cultures that have an impact on their work. Students spend much of the class working in pairs and small groups role-playing situations that participants will encounter on the job. (Offered: Periodically)
Prereq: None

SPA 201  Intermediate Spanish I  4 cr
The intermediate study of Spanish. The course emphasizes continued acquisition of language functions, vocabulary, idioms, structures, and culture through contextualized presentations, interactive activities, video, and selected readings. The class is conducted in Spanish. (Offered: Every Fall, Every Spring)
Prereq: SPA 102 or equivalent.

SPA 202  Intermediate Spanish II  4 cr
Conclusion of the basic intermediate sequence in Spanish. The course emphasizes continued acquisition of language functions, vocabulary, idioms, structures, and culture through contextualized presentations, interactive activities, video, and selected readings. The class is conducted in Spanish. (Offered: Every Fall, Every Spring)
Prereq: SPA 201 or equivalent.

SPA 252  Spanish Composition and Conversation II  3 cr
Continued development of advanced writing and speaking skills. Representative works of Hispanic literature, available cultural readings, and periodicals are the subject of class discussion and oral and written assignments. The class is conducted in Spanish.
Prereq: SPA 251 or equivalent, or permission of instructor.

SPA 255  Spanish Film and Language I  3 cr
The intermediate study of Spanish through Spanish language films. The course emphasizes the acquisition of language functions, vocabulary, idioms, and cultures through an introduction to cinema from the Spanish-speaking world. Students study representative Spanish language films, selected from films by Schroeder, Gutierrez Alea, Gonzalez Irritu, Almodovar, Buuel, and Puenzo. These are the subject of class discussions, dramatizations and oral and written assignments. Students practice listening comprehension, study idiomatic speech, analyze cultural content and examine historical contexts. The instructor and the students conduct the class in Spanish. NOTE: This course and SPA 257 are not sequential; they may be taken in either order. (Offered: Periodically)
Prereq: SPA 202 or equivalent.

SPA 257  Spanish Film and Language II  3 cr
The intermediate study of Spanish through Spanish language films. The course emphasizes the acquisition of language functions, vocabulary, idioms, and cultures through an introduction to cinema from the Spanish-speaking world. Students study representative Spanish language films, selected from films by Cuerda, Bielinsky, Salles, Marston, Gutierrez Alea, and Sayles. These are the subject of class discussions, dramatizations and oral and written assignments. Students practice listening comprehension, study idiomatic speech, analyze cultural content and examine historical contexts. The instructor and the students conduct the class in Spanish. NOTE: This course and SPA 255 are not sequential; they may be taken in either order. (Offered: Periodically)
Prereq: SPA 202 or equivalent.

THEATER

THE 101  Introduction to Theater  3 cr
An introductory course for students who are interested in theatre and performance but may or may not have any direct experience. The course explores all the basic elements of Theatre Arts: its origins, history, cultural importance and relevance in modern society. It also focuses on each aspect of production: acting, directing, dramaturgy and design. Students read and study major works and have the opportunity to see, discuss, and analyze live performance. The course provides a sampling of the many kinds of experiences that can be had in the Theatre as a practitioner and/or audience member. (Offered: Every Fall)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.

THE 105  Play Analysis  3 cr
Concentrates on the interpretation and analysis of various types of dramatic literature. Students learn to explore and respond to plays effectively in the context of dramaturgical elements such as plot, theme, character development, structure and other critical components specific to the genre. The course covers a variety of traditional and contemporary forms and texts. Students also explore the challenges and opportunities of translating these texts into live production and film. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores.
THE 106  Stage Craft  3 cr
The study of the processes of scenery, lighting, and sound design for production realization as approached from the stage designer's point of view. The course emphasizes the creative process used in developing the physical elements of a theatrical production. The student learns how to safely execute the skills demanded of the scenic designer in a hands-on method and work environment. Students aid in the construction and technical work required for that semester's GCC main production as well as the technical needs/requirements of the student directed projects. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

THE 108  Interactive Dramatics  3 cr
An introduction examining the use of creative drama in education and recreational settings. Study and practice of the medium to develop the acceptance of the responsibility of thinking, educated theater people for sharing the art of drama in young lives while developing all students in areas of sensory awareness, imagination, movement, role-playing and improvisation. (Offered: Periodically)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

THE 113  Fundamentals of Acting  3 cr
An introduction to acting with emphasis on characterization, voice, and movement, as well as varieties of acting techniques, script analysis, improvisation, and theatre games. Students prepare monologues, scenework and short one-act plays. The course also emphasizes the uses of acting skills to improve self-confidence and self-expression. (Offered: Every Fall)
Prereq: none

THE 133  College Theater Workshop  1 cr
Practical experience in acting, house management, public relations, publicity, shop and production crews as the current G.C.C. semester production requires. NOTE: Students may repeat this course three times for a maximum of 4 credits. No more than one credit may be earned in any given semester. (Offered: Every Fall, Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores

THE 213  Advanced Acting  3 cr
Explores the actor's use of improvisation, character development, motivation, and action through internal and external techniques. The course includes an in-depth concentration in training, theory, and practice in relation to character, scene and ensemble work. These studies are directly applied in workshops, rehearsal, and performance. (Offered: Every Spring)
Prereq: THE 113

THE 214  Directing - Theory  3 cr
An introduction to the skills of directing with an emphasis on the elements of play production. The student studies the concepts/requirements necessary to mount a full theatrical production. Students analyze and hypothetically cast and produce instructor-approved scripts as their final projects. (Offered: Periodically)
Prereq: ENG 112, or 114, or 116; THE 101, or 113, or 105, or permission of the instructor.

THE 217  Experimental Performance  3 cr
Requires the student to use their own particular skills and interests to create an original performance work based on themes that emerge from the class itself. Participants use ensemble theatre and movement exercises to integrate the work of the project, which they have expressed in writing, movement, character improvisation, and visual arts, video, music, the sciences, and other areas of interest. Students produce a creative, innovative, and live performance. (Offered: Periodically)
Prereq: The course is restricted to students completing their final semester of the AA degree in the fields of Dance, Music, Art, or Theater. The course also requires approval of a performing arts faculty member and the class instructor.

THE 223  Acting in Shakespeare  3 cr
A study of the basic techniques used in Shakespearean acting. Major emphasis is placed on approaching Shakespeare through careful analysis of the use of language, construction of the text, language as a cue for character, situation, and dramatic conflict. The student examines and performs selected works from comedies, histories and tragedies of the playwright, concentrating on the Presentational technique of stylized acting. (Offered: Periodically)
Prereq: THE 213; and ENG 221 (or concurrent enrollment in ENG 221)

THE 224  Directing - Practice  3 cr
The practical application of all skills learned in THE 214, Directing - Theory. The student chooses, analyzes, casts, and directs for performance a 1-act play approved by the instructor. This project is a minimum of 45 minutes performance time and is presented for the G.C.C. community in the Sloan Theater at semester's end. (Offered: Periodically)
Prereq: THE 214

THE 226  Stage Skills  3 cr
A concentrated study of the design and application of stage makeup, mask work, stage combat and stage dialects as they contribute to characterization and motivation in performance work. The course includes fencing techniques for dramatization as part of the physical stage combat study. Students assemble an audition piece and a professional resume, as well as perform and film an audition video tape in the G.C.C. Educational Technology Support Center. (Offered: Periodically)
Prereq: THE 213 or THE 224, or concurrent enrollment in THE 213 or THE 224.

WOMEN'S STUDIES

WST 115  Introduction to Women's Studies * 3 cr
Introduction to women's studies as a basis for understanding human development, social systems, and the historical and biological perspectives that affect women's lives in the 20th century. (Offered: Every Spring)
Prereq: ENG 090 and ENG 094 (COL 090), or satisfactory placement test scores
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Fitness Center
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B.S., Tufts University

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Henry Thomas III
Paul F. Toner
# Final Exam Schedule

## Fall Semester 2012 Final Exam Schedule

### Day Division
December 18, 19, 20, 21*, 2012

<table>
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<tr>
<th>Time</th>
<th>Monday</th>
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* Friday, December 21, 2012 is reserved for final exam make-up due to cancellation. The schedule will be determined as necessary.

### Notes:
- Final Exams are held in the regular class meeting room. Instructors who teach a class that meets Mon / Wed, or Wed / Fri, or Mon / Fri and shares classrooms with other classes will notify students of the final exam room assignment several weeks prior to the end of the semester.
- Classes with a lab use the lecture period time to determine their final exam.
- Some courses in the Art and Nursing departments may not follow the schedule above. Instructors for these courses will notify students of the final exam day, time, and room assignment several weeks prior to the end of the semester. These instructors will also provide alternative arrangements for any conflicts with regularly scheduled exams.
- Instructors who choose a multiple section exam time for their final exam will notify students of the final exam date, time, and room assignment several weeks prior to the end of the semester.

### Evening Division
Monday, December 17 – Thursday, December 20, 2012

Evening final exams are held at the same time, on the same evening, and in the same room as the normal evening class schedule with the exception of classes at Smith College, which may meet at a different location. If the evening class meets more than once per week, the final is held on the first evening available in the final exam period on an evening the class would normally meet.
Spring Semester 2013 Final Exam Schedule

Day Division
May 16, 17, 20, 21, 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday, May 20</th>
<th>Monday, May 17</th>
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- Final Exams are held in the regular class meeting room. Instructors who teach a class that meets Mon / Wed, or Wed / Fri, or Mon / Fri and shares classrooms with other classes will notify students of the final exam room assignment several weeks prior to the end of the semester.
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- Some courses in the Art and Nursing departments may not follow the schedule above. Instructors for these courses will notify students of the final exam day, time, and room assignment several weeks prior to the end of the semester. These instructors will also provide alternative arrangements for any conflicts with regularly scheduled exams.
- Instructors who choose a multiple section exam time for their final exam will notify students of the final exam day, time, and room assignment several weeks prior to the end of the semester.

Evening Division

Monday, May 13 – Thursday, May 16, 2013

Evening final exams are held at the same time, on the same evening, and in the same room as the normal evening class schedule with the exception of classes at Smith College, which may meet at a different location. If the evening class meets more than once per week, the final is held on the first evening available in the final exam period on an evening the class would normally meet.
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Greenfield Community College is conveniently located near the intersection of Interstate 91 and Route 2.

**From the north, south, or east** *(from the east, take Route 2 to I-91 south first)*

Take exit 26 off I-91 and follow the traffic rotary to Route 2 west. Once on Route 2, take an immediate right at the traffic light onto Colrain Road. We are located on College Drive, six-tenths of a mile ahead on the left.

**From the west**

Turn left at the traffic light onto Colrain Road just before the I-91 rotary. We are located on College Drive, six-tenths of a mile ahead on the left.
### PLEASE NOTE these important numbers and web addresses

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<th>OFFICE</th>
<th>PHONE</th>
<th>WEB ADDRESS</th>
</tr>
</thead>
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<tr>
<td>Academic Advising Center</td>
<td>(413) 775-1339</td>
<td><a href="http://www.gcc.mass.edu/advising">www.gcc.mass.edu/advising</a></td>
</tr>
<tr>
<td>Admission</td>
<td>(413) 775-1801</td>
<td><a href="http://www.gcc.mass.edu/admission">www.gcc.mass.edu/admission</a></td>
</tr>
<tr>
<td>Disability Services</td>
<td>(413) 775-1812</td>
<td><a href="http://www.gcc.mass.edu/ds">www.gcc.mass.edu/ds</a></td>
</tr>
<tr>
<td>Enrollment Services (Registration)</td>
<td>(413) 775-1801</td>
<td><a href="http://www.gcc.mass.edu/register">www.gcc.mass.edu/register</a></td>
</tr>
<tr>
<td>Financial Aid</td>
<td>(413) 775-1109</td>
<td><a href="http://www.gcc.mass.edu/financial-aid">www.gcc.mass.edu/financial-aid</a></td>
</tr>
<tr>
<td>Transfer Office</td>
<td>(413) 775-1207</td>
<td><a href="http://www.gcc.mass.edu/transfer">www.gcc.mass.edu/transfer</a></td>
</tr>
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Phone the college’s main number (413) 775-1000 or visit [www.gcc.mass.edu](http://www.gcc.mass.edu) for offices not listed above.