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Directions to Campuses

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  - Knight Campus, Warwick
  - Flanagan Campus, Lincoln
  - Liston Campus, Providence
  - Newport County Campus, Newport
- **Satellite Campus**
  - Westerly Education Center, Westerly

**Main Campuses**

Knight Campus, Warwick

400 East Ave.
Warwick, RI 02886
Telephone: 401-825-1000

The Knight Campus is located on 205 acres adjacent to I-95 and I-295 in Warwick.

If traveling north on I-95: Take Exit 11 (I-295). Then take Exit 1 onto Route 113 west; continue straight. The campus entrance will be on the left at the traffic light.

If traveling south on I-95: Take Exit 12B. Bear left at the fork to Route 113 west. The campus entrance will be on the left at the traffic light.

Flanagan Campus, Lincoln

1762 Louisquisset Pike
Lincoln, RI 02865
Telephone: 401-333-7000

The Flanagan Campus occupies a 300-acre site off Louisquisset Pike in Lincoln. It features one building composed of three connected modules, totaling nearly seven-and-a-half acres of floor space.

If traveling north or south on I-295: Take Exit 18A to Route 146 south and follow directions below for traveling south on Route 146.

If traveling north on I-95: Take Exit 23 onto Route 146 north and follow directions below for traveling north on Route 146.

If traveling south on I-95: Take Exit 23 (Charles Street). Turn right onto Charles Street and continue straight for approximately 0.3 miles, following signs for Route 146 north. At the second traffic signal (across from the entrance to Home Depot), turn left onto the 146 north on-ramp and follow directions below for Route 146 north.

If traveling south on Route 146: Take the Breakneck Hill Road exit and turn right onto Route 123 west. At first traffic light, turn left onto Route 246; continue for 0.1 miles. The campus entrance will be on the right.

If traveling north on Route 146: Take the Breakneck Hill Road exit to Route 123 west. Turn left onto Route 123 west. At the first traffic light, turn left onto Route 246.

Liston Campus, Providence

One Hilton St.
Providence, RI 02905-2304
Telephone: 401-455-6000

The Liston Campus is located on almost seven acres of land on the capital city’s south side.
Community College of Rhode Island

If traveling north on I-95: Take Exit 18 (Thurbers Avenue). Bear left. At the second light, take a right onto Eddy Street. Travel Eddy Street to Willard Avenue. Turn left onto Willard Avenue. Take a left onto Staniford Street. The campus entrance is on the right.

If traveling south on I-95: Take Exit 19 (Eddy Street/Rhode Island Hospital). Take a right at the exit light, which puts you on Eddy Street. Travel Eddy Street and turn right onto Willard Avenue. Take a left onto Staniford Street. The campus entrance is on the right.

Newport County Campus, Newport

One John H. Chafee Blvd.
Newport, RI 02840
Telephone: 401-851-1600

From the south via the Pell Bridge: At the end of the bridge, remain on access road headed toward Fall River/Cape Cod (Do not take the Scenic Newport exit.) At the end of the ramp, bear right onto Admiral Kalbfus Road. Do not enter the rotary, staying to the right on Coddington Highway. A shopping plaza will be on your right. CCRI is approximately one mile ahead on the right, past the Little League fields.

From the north via the Sakonnet or Mount Hope Bridge: Follow 114 south for approximately eight miles. Directly past the Middletown Public Library, turn right onto Coddington Highway. CCRI will be approximately one mile ahead on your left.

Westerly Education Center, Westerly

23 Friendship St.
Westerly, RI 02891
Telephone: 401-825-2320

CCRI’s satellite campus at the Westerly Education Center enables students in southern Rhode Island and eastern Connecticut to take advantage of credit courses closer to home.

From I-95: Take Exit 1 for Route 3 toward Hopkinton/Westerly. Follow Route 3 south to Friendship Street in Westerly. Turn right onto Friendship Street.
Transferrable CCRI Courses

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Community College of Rhode Island

Accreditation

The Community College of Rhode Island is accredited by the New England Commission of Higher Education (NECHE), one of seven regional higher education accrediting bodies in the United States. NECHE is recognized by both the U.S. Secretary of Education and the Council for Higher Education Accreditation (CHEA) as a reliable authority on the educational quality provided by degree-granting institutions.

In 2014, the Community College of Rhode Island was granted continued accreditation by NECHE in response to the college’s decennial self-study and site visit. A “continued accreditation” designation indicates that the college meets the commission’s Standards for Accreditation and complies with its policies, providing the public with assurances of institutional educational quality. Additionally, the Community College of Rhode Island submits NECHE Annual Reports and Interim Fifth-Year Reports between decennial self-studies, with the next self-study scheduled for 2024.

Specific inquiries pertaining to the accreditation status of the Community College of Rhode Island should be directed to the college’s administration. Inquiries may also be directed to:

New England Commission of Higher Education
3 Burlington Woods Drive, Suite 100
Burlington, MA 01803-4514
781-425-7785

In addition to its institutional-level accreditation, several academic programs at the college have received specialized accreditations (listed below). Information pertaining to these specialized accreditations can be obtained directly from the agencies’ websites.

Institution-wide Accreditation

- New England Commission of Higher Education (NECHE)

Specialized Accreditations include:

- Accreditation Commission for Education in Nursing (ACEN)
- Accreditation Council for Business Schools and Programs (ACBSP)
- Accreditation Council for Occupational Therapy Education (ACOTE)
- Commission on Accreditation for Respiratory Care (CoARC)
- Commission on Accreditation of Allied Health Education Programs (CAAHEP)
- Commission on Accreditation in Physical Therapy Education (CAPTE)
- Commission on Dental Accreditation (CODA)
- Commission on Massage Therapy Accreditation (COMTA)
- Joint Review Committee on Education in Radiologic Technology (JRCERT)
- Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS)
- National Accrediting Agency for Clinical Laboratory Science (NAACLS)
- National Association for the Education of Young Children (NAEYC)
- National Association of Schools of Art and Design (NASAD)
- National Association of Schools of Music (NASM)
President's Message

Welcome to the Community College of Rhode Island, named America's two-year college of the year by Education Dive magazine. We are pleased to welcome you to New England's largest community college.

You are joining a college community that includes more than 70,000 graduates who are working in boardrooms, hospitals and businesses across our state and beyond. You are also entering a college dedicated to helping you succeed. We are committed to giving you an outstanding education so you can graduate, transfer to a four-year college and secure quality employment.

Whether you are a recent high-school graduate or an adult learner, you have taken an important step by enrolling at CCRI. You have chosen to commit yourself to your education. In return, you will find a community of dedicated faculty and staff members working together to support you through graduation.

Our CCRI community is inclusive and diverse. We serve first-generation college students, recent high-school graduates and working parents. We educate veterans who have returned from deployment and are embarking on their second career. We serve high-school seniors enrolled through our Running Start program, eager to get a head start on the college experience, and we welcome adult learners who are setting foot inside an institution of higher learning for the first time in many years. Our diversity is a point of pride for us, and our students inspire us every day.

We know higher education enriches the lives of our students and their families, and we are proud to provide all Rhode Islanders with the opportunity to successfully pursue postsecondary education and high-quality employment.

In this catalog, you will find an introduction to our college’s program offerings and support services. Please also refer to our website, ccri.edu. We look forward to supporting you as a valued member of our CCRI community.

Sincerely,

Meghan Hughes, Ph.D.
CCRI President
MISSION OF THE COLLEGE
The Community College of Rhode Island is the state's only public comprehensive associate degree-granting institution. We provide affordable open access to higher education at locations throughout the state. Our primary mission is to offer recent high school graduates and returning adults the opportunity to acquire the knowledge and skills necessary for intellectual, professional and personal growth through an array of academic, career and lifelong-learning programs. We meet the wide-ranging educational needs of our diverse student population, building on our rich tradition of excellence in teaching and our dedication to all students with the ability and motivation to succeed. We set high academic standards necessary for transfer and career success, champion diversity, respond to community needs and contribute to our state's economic development and the region's workforce.

NONTDISCRIMINATION POLICY
CCRI does not discriminate in admissions, recruitment, services or employment on the basis of race, color, national or ethnic origin, citizenship status, marital status, gender, gender identity or expression, religion, disability, age, sexual orientation or status as a protected veteran (either disabled, recently separated, qualified covered, Armed Forces service medal, or any other protected veteran status), except in those special circumstances permitted or mandated by law. Anyone who has reason to believe he or she has been discriminated against may contact Human Resources, 400 East Ave., Warwick, RI 02886-1807, 401-825-2311. Individuals who are interested in attending CCRI events but require special accommodations because of a disability should contact the director at least one week before the event. CCRI campuses are accessible to individuals with disabilities. Questions regarding access and evacuation procedures should be directed to Campus Police: Flanagan Campus in Lincoln, 401-333-7035; Newport County Campus, 401-851-1620; Liston Campus in Providence, 401-455-6050; or Knight Campus in Warwick, 401-825-2109.

SMOKING POLICY
The Community College of Rhode Island prohibits smoking in all of its campus facilities as well as at all points of access and egress from its facilities, including all connecting ramps and walkways such as those at the Knight Campus megastructure. Smoking is allowed at or beyond designated enclosures located at each campus or at a distance equal to those enclosures from the building. Smoking includes traditional tobacco products as well as "electronic cigarettes" and similar devices. Failure to comply will result in disciplinary action as stipulated by the dean of students for student infractions, and the appropriate disciplinary process as set forth in collective bargaining agreements or Board of Education policy for faculty and staff.

The prohibition within all facilities will not apply to the use of tobacco products as part of a preapproved, limited classroom demonstration or research project.

At the time of its creation, information contained in the 2020–2021 edition of CCRI's catalog was known to be accurate and complete to the best of the knowledge of CCRI faculty and staff. Please be advised the college reserves the right to make changes at any time to admissions policies, degree requirements, curricula and any other information contained in the catalog as it deems necessary, without notice or obligation. Also be aware that tuition and fees at the Community College of Rhode Island may be adjusted by the action of the Rhode Island Board of Education. Every reasonable effort will be made to communicate these changes in a timely manner to minimize any inconvenience to students. Students may find the most current information on courses by visiting the Available Courses page of the college's website.
About the Community College

- Why CCRI?
- Flexibility
- Affordability
- Career Choices
- Transferability
- Diversity

Why CCRI?
No matter where you are in life, you have a place at CCRI. We’re in your neighborhood, we have an easy application process and we’re here with support at whatever level you need throughout your academic career.

CCRI students are from Rhode Island, are educated and trained here, and find careers here.

Simply put, CCRI has an immediate and positive impact on your life, your community and Rhode Island’s economy. Apply today.

Flexibility
CCRI’s high-quality education fits your busy schedule. Credit and noncredit courses are offered day or evening and online, meaning you can find and schedule classes that work for you.

We also offer a wide variety of academic support services, whether you are brand new to college, returning after an absence or continuing your education. Find out more about our Student Services here.

CCRI has four campuses and one satellite location, so we’re close to wherever you live or work.

- Knight Campus, 400 East Ave., Warwick
- Flanagan Campus, 1762 Louisquisset Pike, Lincoln
- Liston Campus, One Hilton St., Providence
- Newport County Campus, One John H. Chafee Blvd., Newport
- Westerly Education Center, 23 Friendship St., Westerly

Affordability
As part of our mission to provide affordable open access to higher education, CCRI has the lowest college tuition in Rhode Island. We also offer financial aid to students who otherwise might be unable to further their education. Find out more about financial aid here.

In many cases, CCRI also gives credit for prior learning, so if you gained experience or knowledge in your chosen field while in the military or on the job, we can help you save time and money pursuing your education. Find out more about Credit for Prior Learning here.

Career Choices
We offer a wide variety of courses, degrees and certificates based on the employment needs of our community. Whether you have always known what you wanted to be, are trying to find your path, or are somewhere in between, we have the time, resources and classes to get you where you want to be. See a list of our degrees and certificates here.

Transferability
If you choose to continue your education after earning an associate degree at CCRI, we have transfer agreements with dozens of four-year colleges to give you a seamless transition. There are also programs to help you get a jump-start on a four-year degree while attending CCRI. Find out more about transfers here.

Diversity
CCRI is committed to respectful dialogue, fostering a diverse and inclusive community, sharing different perspectives, promoting understanding and education, and respecting the dignity and worth of each human being.
Community College of Rhode Island

Whether you are a first-generation college student or you are returning to finish a degree, you won’t feel alone at CCRI. Our student body is rich with diversity, allowing you to find fellow students who share your background while expanding your educational experience to include new and different voices and ideas.
Admissions

• Requirements
• Admission Dates
• Admissions and Registration
• Rhode Island Promise
• International Student Admission
• New England Regional Student Program
• Undocumented Students Living in Rhode Island
• Special Programs for High School Students
• Veterans Educational Assistance

Requirements
The Community College of Rhode Island has an open admissions policy that offers Rhode Island residents an opportunity for education beyond the high school level.

A high school diploma or its equivalent is not a general admissions requirement of the college provided the student is 18 years of age, the compulsory age for high school attendance in Rhode Island. Students admitted without a high school diploma or its equivalent have the opportunity to complete their GED through the program available at CCRI. Students who are younger than 18 years of age must submit official high school or GED® transcripts indicating a graduation date prior to enrolling at the college. Submission of official high school or GED transcripts is strongly encouraged to ensure accurate course placement.

A high school diploma or its equivalent is required for admission to the following Health Sciences programs. In addition, individual departments may have specific admissions requirements that students must meet. Because many of the programs listed below have specific space limitations for admission, it is to the student’s benefit to complete special admissions requirements as soon as possible.

• Dental Assisting
• Dental Hygiene
• Diagnostic Medical Sonography
• Emergency/Disaster Management
• Emergency Management/Homeland Security
• Fire Science/Emergency Medical Technician
• Health Care Interpreter
• Histotechnician
• Homeland Security
• Magnetic Resonance Imaging
• Medical Laboratory Technology
• Nursing
• Phlebotomy
• Physical Therapist Assistant
• Renal Dialysis Technology
• Radiography (X-ray)
• Respiratory Therapy
• Occupational Therapy Assistant
• Opticianry*

*Program revisions pending review by the RI Department of Education

CCRI has instituted a performance-based application process for selected Health Sciences programs. Please see this page for more information.

All transcripts submitted for admission must be official and sent to CCRI’s Office of Enrollment Services directly from the respective institution. Applicants with GED® credentials should have a transcript of equivalency scores sent to CCRI from Parchment or from the General Equivalency Center. Equivalencies from correspondence schools are not acceptable.

Home-school transcripts must be official, and documentation from the local school district approving the home-schooling program should be submitted to the Office of Enrollment Services. High school transcripts from online high schools will be accepted only if the high school is regionally accredited.
Community College of Rhode Island

In the case of secondary education received outside of the United States, transcripts must be evaluated to determine whether they meet U.S. secondary school completion requirements. A list of authorized agencies that evaluate international transcripts is available on the Admissions website.

Although the College Board SAT® test is not required for admission to CCRI, students are strongly encouraged to submit these scores to CCRI. Students who take the SAT® or ACT® may list CCRI as a report school. Test scores will provide additional information for course placement.

The Rhode Island Board of Education established the residency rules for students attending the state institutions of higher education. The residency policy is available here.

Admission Dates

Applications are processed as they are received. Performance-based Health Science applications are accepted during designated months. Please see this page for more information. Students should apply online as early as possible.

Admissions and Registration

- Continuing Degree Students
  - As a currently enrolled student, you will receive registration information via MyCCRI announcements.
  - Information about applying for financial aid is available here.
  - Check for available courses here.
  - A Degree Works degree evaluation is available through MyCCRI.
  - Consult with Advising and Counseling to ensure proper course selection for your program of study.
  - Use online registration to sign up for courses you wish to enroll in for the next semester.
  - Refer to the Bursar’s Office payment calendar on the website. Send full payment for your courses or participate in our payment plan.
  - Print a copy of your schedule, which can be accessed via MyCCRI. Please check your CCRI email for updates.
  - Attend classes during the semester. Consult an adviser about planning which courses to take in future semesters. If you are undecided about your program of study or future, consult a counselor. For more information, contact the Department of Advising and Counseling.

- New or Returning Degree Students
  - Register for an Admissions information session to learn about academic programs here.
  - Complete the Application for Enrollment online. You also can download the application from our website.
  - Send all official college transcripts to CCRI, Flanagan Campus, Office of Enrollment Services, 1762 Louisquisset Pike, Lincoln, RI 02865.
  - Information about applying for financial aid is available here.
  - For information on when semesters begin, see this page.
  - Upon completion of the online Application for Enrollment, you will receive an electronic acceptance message and a formal acceptance letter in the mail that will include information about placement testing.
  - After completing ACCUPLACER testing, attend an orientation and new student registration session to select your courses and register. Counselors will be available to assist you.
  - Refer to the Bursar’s Office payment calendar on the website. Send full payment for your courses or participate in our payment plan.
  - Print a copy of your schedule, which can be accessed via MyCCRI. Please check your CCRI email for updates.
  - Attend classes during the semester. Consult an adviser about planning which courses to take in future semesters. If you are undecided about your program of study or future, consult an adviser. For more information, contact the Department of Advising and Counseling.

RHODE ISLAND PROMISE

High school graduates of the Class of 2020 who live in Rhode Island can attend CCRI tuition free through the Rhode Island Promise Scholarship, regardless of family income. Learn about the specific requirements here.

INTERNATIONAL STUDENT ADMISSION

International students can begin their studies at CCRI every fall semester. To ensure we complete the application process in a timely manner, prospective students living outside the U.S. need to submit the competed application by May 31. Students already in the U.S. must submit completed applications by June 30. The International Student Application is available here.

1. Completed Application for Enrollment.
2. Evidence of proficiency in the English language demonstrated by submitting one of the following:
   a. Official test score results of the Test of English as a Foreign Language (TOEFL). Minimum acceptable TOEFL score of 61
   OR
   b. Official transcript from an accredited college or university indicating completion of an equivalent three-credit Composition I
      course with a minimum grade of C OR
   c. Acceptable score on the English placement exam given by CCRI’s Department of Advising and Counseling.
3. An evaluation by an accrediting agency certifying that secondary school transcripts indicate equivalency to U.S. secondary school
   completion. A list of authorized agencies is available in the Office of Enrollment Services or on this international student form.
4. Personal Data Statement, a form included in the International Student Application packet.
5. If the applicant’s personal funds are not supporting his or her education, the college will accept a sponsor’s evidence of financial support
   and a signed affidavit written in or translated into English stating that the sponsor is accepting full financial responsibility for the student
   while he or she is in attendance at the Community College of Rhode Island.

International students
- must pay out-of-state tuition and fees.
- are not eligible for financial aid.
- must attend full time (12 credit hours) each semester.
- do not have on-campus housing available.

Once accepted, students will be issued an acceptance packet with an accompanying I-20 form (Certificate of Eligibility for Nonimmigrant [F-1] Student Status).

NEW ENGLAND REGIONAL STUDENT PROGRAM
The New England Board of Higher Education (NEBHE) Regional Student Program allows students to attend CCRI at a regional tuition rate, which is
150 percent of the current in-state tuition rate. To be considered for the regional rate, students must be enrolled in a degree or certificate program.

- Students who live in any New England state outside of Rhode Island qualify for the 150 percent NEBHE tuition rate.
- Students who return to CCRI after a break in enrollment are held to the NEBHE policy in place at the time of their return.

For further information, please visit this page.

UNDOCUMENTED STUDENTS LIVING IN RHODE ISLAND
In 2011, the Rhode Island Board of Education approved a measure granting in-state tuition to students who are neither U.S. citizens nor permanent
residents of the United States, provided they attended a Rhode Island high school for three or more years and continue to live in Rhode Island;
graduated from an approved Rhode Island high school or received a GED® credential; and signed an affidavit confirming that they are seeking legal
status. Students who wish to apply for in-state tuition based upon these criteria must complete and submit an application and affidavit, which can be
found on this page. Students must also collect and submit documentation to show that they meet the requirements for receiving in-state tuition and
fees.

For more information, visit the OES website or call the Office of Enrollment Services at 401-825-2003.

SPECIAL PROGRAMS FOR HIGH SCHOOL STUDENTS
For more information about special programs for high school students, visit the Admissions website or call CCRI’s Office of Enrollment Services at
401-825-2003.

Running Start Program
High school seniors who wish to study at CCRI on a full-time basis during the day may be eligible to earn college credit and credit toward high
school graduation simultaneously. The Running Start Program is for high school students who have demonstrated academic achievement and the
maturity necessary to enroll in college courses during their senior year of high school. The Running Start application is available here.

High School Enrichment Program
High school juniors and seniors who wish to take CCRI courses on a part-time basis (up to eight credits) are required to complete an application for
the High School Enrichment Program, which is available in high school guidance departments or may be found here. Course selection is made at the
discretion of the high school counselor or principal. Registration may be contingent on course availability and instructor agreement.

Pathways in Technology (P-TECH)
Students enrolled in a high school P-TECH (Pathways in Technology) program can apply to be full-time CCRI students during their senior year
through the CCRI Enrichment Program. The CCRI P-TECH Enrichment Program is for high school students who have demonstrated academic
Community College of Rhode Island

achievement and the personal maturity needed to enroll in full-time college courses. During their high school P-TECH program, students will have already had the opportunity to earn CCRI credits. By attending CCRI full-time in their senior year, students will be able to continue earning credits toward an associate degree. For more information, please contact Sandra Nolan, the Director of Concurrent Enrollment at 401-825-2099 or sanolan@ccri.edu.

High School/Community College of Rhode Island Partnership Program
The High School/Community College of Rhode Island Partnership Program offers high school students the opportunity to earn college credits while in high school. Students enrolled in selected high school courses that meet CCRI curriculum requirements obtain college credits upon successful completion of the high school course, high school graduation and enrollment at CCRI. Interested high school students should contact their school counselor as soon as possible so they may enroll in appropriate classes while in high school. To obtain credit, contact Sandra Nolan, the Director of Concurrent Enrollment at sanolan@ccri.edu or 401-825-2099.

Prepare RI
State funds are available to support special programs for high school students. For more information about Prepare RI dual and concurrent enrollment programs, please visit the Rhode Island Department of Education website.

VETERANS EDUCATIONAL ASSISTANCE
Students who qualify for veterans educational benefits may obtain enrollment and certification information by visiting this page.

As part of Rhode Island's continuing efforts to recognize the men and women of our Armed Forces, and pursuant to §30-30.2-3(2) of the R.I. General Laws, the Council on Postsecondary Education has established a policy that supports veterans and service members with Priority Registration for all Combat Veterans of the United States Armed Forces, the National Guard, the Reserves and the United States Coast Guard attending any Rhode Island public institution of higher education.

Combat veterans attending the Community College of Rhode Island wishing to obtain priority registration must self-identify to the campus veterans' certifying official(s). Veteran students seeking priority registration must submit the following:

1. DD 214 (Certificate of Release or Discharge from Active Duty) which annotates service in a combat theater of operation including notation of medals awarded for service.
2. Service members currently on active duty who do not have a DD214 must present award citation and copy of deployment orders that demonstrated service in a combat theater of operation.
3. Community College of Rhode Island CCRI Student Veteran's Certification worksheet.

Documentation must be submitted prior to the first day of priority registration for the first term in which priority registration is sought (generally November for spring registration and April for fall registration). Once Combat Veteran Status has been established for early registration, it will carry over to future terms. You do not need to submit an additional DD214.
Tuition and Fees

- Full-time Students
- Part-time Students
- Nonresidents
- Tuition Rates
- Deferred Payment Program
- Explanation of Fees
- Waivers
- Refund Policy for Drop/Withdrawal
- Refund Policy for Drop/Withdrawal from Modular Courses

TUITION PAYMENT

Critical information regarding paying your tuition: As a student at CCRI, you have a financial responsibility to meet payment obligations on your account by the payment due date, even if you do not receive a bill or the account is being paid by a third party. You are responsible for paying the tuition for any classes in which you are enrolled, whether you attend classes or not, unless you drop the classes during the published drop period.

The following financial responsibilities and policies apply to all CCRI students.

- Students are charged for all classes in which they are enrolled.
- Students must pay their tuition and fees by the published bill due date. This date can be found at on the Bursar’s Office website.
- Students will be charged for all enrolled classes even if they do not attend the classes, unless they officially drop those classes by the published drop date.
- Delinquent bills will be referred to a collection agency and may be reported to national credit bureaus which can damage a student’s credit rating.
- A student’s current account status is always available on MyCCRI.

Tuition and Fees (Fall 2020– Spring 2021)

The tuition and fees listed below are accurate as of March 1, 2020. However, CCRI is a state-supported agency so tuition and fees are subject to change by action of the Rhode Island Board of Education. We do expect tuition and fees to change. Please check the Bursar's website for the most up-to-date information.

<table>
<thead>
<tr>
<th>FULL-TIME STUDENTS (12 credits or more per semester)</th>
<th>In State</th>
<th>Regional</th>
<th>Out of State</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Tuition Fee</td>
<td>$2,207</td>
<td>$3,310</td>
<td>$6,246</td>
</tr>
<tr>
<td>Registration Fee</td>
<td>$75</td>
<td>$75</td>
<td>$75</td>
</tr>
<tr>
<td>Commuting and Parking Fee</td>
<td>$12</td>
<td>$12</td>
<td>$12</td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>$36</td>
<td>$36</td>
<td>$36</td>
</tr>
<tr>
<td>Learning Resource Fee</td>
<td>$40</td>
<td>$40</td>
<td>$40</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$45</td>
<td>$45</td>
<td>$45</td>
</tr>
<tr>
<td>Campus Service Fee</td>
<td>$15</td>
<td>$15</td>
<td>$15</td>
</tr>
<tr>
<td>Lab Fee* (as designated in schedules)</td>
<td>Varies</td>
<td>Varies</td>
<td>Varies</td>
</tr>
</tbody>
</table>

Students enrolled in 16 credits or more will be assessed a $100 Extra Credit Administration Fee. Students with more than 19 credits are charged at a per-credit-hour rate. Students enrolled in a program of study requiring more than 19 credits per semester pay the per-credit-hour rate for any additional credits over program requirements.
<table>
<thead>
<tr>
<th>PART-TIME AND SUMMER STUDENTS (11 credits or fewer per semester)</th>
<th>In State</th>
<th>Regional</th>
<th>Out of State</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Tuition Fee</td>
<td>$200 per credit</td>
<td>$300 per credit</td>
<td>$598 per credit</td>
</tr>
<tr>
<td>Registration Fee</td>
<td>$30</td>
<td>$30</td>
<td>$30</td>
</tr>
<tr>
<td>Commuting and Parking Fee</td>
<td>$1 per credit</td>
<td>$1 per credit</td>
<td>$1 per credit</td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>$3 per credit</td>
<td>$3 per credit</td>
<td>$3 per credit</td>
</tr>
<tr>
<td>Learning Resource Fee</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
</tr>
<tr>
<td>Campus Service Fee</td>
<td>$3 per credit</td>
<td>$3 per credit</td>
<td>$3 per credit</td>
</tr>
<tr>
<td>Lab Fee* (as designated in schedules)</td>
<td>Varies</td>
<td>Varies</td>
<td>Varies</td>
</tr>
</tbody>
</table>

*Generally, lab fees for one-credit courses are $10. For courses with two or more credit hours, lab fees are $20. Certain art courses will be assessed a $50 studio fee.

Nonresidents
- U.S. citizens who are not permanent residents of Rhode Island and who do not qualify under the New England Regional Student Program are charged tuition at the out-of-state rate. Questions about in-state residency should be directed to the Office of Enrollment Services: admission@ccri.edu or 401-825-2003.
- Students who are not U.S. citizens or who do not possess a Resident Alien Card (I-151, I-551) or I-94 signifying refugee status may be charged tuition at the out-of-state rate. For more information, please visit the website of the Office of Enrollment Services.

Tuition Rates
A residency policy is in effect and determines if students will be charged the in-state, out-of-state or regional tuition rate. Please visit the OES website for information regarding this policy.

PAYMENT METHODS
Cash, checks, money orders, Visa, MasterCard and Discover Card payments are accepted at the Warwick, Lincoln, Providence and Newport campuses. Visa, MasterCard and Discover Card payments can also be made through MyCCRI. CCRI also accepts check (ACH) payments online.

EASYPAY PAYMENT PLAN
The CCRI EasyPay deferred payment program allows eligible students to divide their semester payments into three or four equal installments with no interest for fall and spring semesters. For summer sessions, students can divide semester payments into two or three equal installments. To be eligible, students must have an account balance of at least $300. A $30 enrollment fee is required for each semester that students enroll in the program. Learn more at the Bursar's Office website.

EXPLANATION OF FEES
Unless specified as nonrefundable, fees may be refundable based on the date of a student’s drop or withdrawal. Check the official college calendar for specific add/drop dates.

General Tuition Fee covers the cost of courses. The amount is determined by the number of credit-hour equivalents (CHEs) for which a student is registered each semester.

Student Activity Fee is required of all students. This fee covers student services such as IDs and orientation programs as well as the various activities sponsored by student organizations and admission to all college home athletic events held at the field house.

Registration Fee is required of all full- and part-time students. This fee is nonrefundable. Registration fees are not refunded after classes begin. Part time students adding classes after classes begin may be charged the full time registration fee if they reach or exceed 12 credit hours at the end of any calendar day. Course swaps must be completed on the same day in order to avoid the possibility of incurring the full time fee.
Laboratory Fee is required for certain courses in addition to the tuition for the course. Generally, for one-credit courses, lab fees are $10. For courses with two or more credit hours, lab fees are $20.

Learning Resource Fee is required of all CCRI students. This fee assists student support programs and related library-based activities.

Technology Fee is required of all students. This fee is used to maintain computer labs and the technology infrastructure.

Campus Service Fee is required of all students. It is used to support a variety of operational functions provided by CCRI. The fee includes funds for support services including printing and OneCard. The fee also supports the building and operational requirement of the College common areas.

Commuting and Parking Fee is required of all students. It will be used to fund the discounted RIPTA fare program for students and parking improvements at all campuses.

Extra Credit Administrative Fee is billed to students enrolled in 16 credit hours or more. This fee helps to better align the differential in the per-credit tuition rates between full- and part-time students.

Art Studio Fee supports those art courses utilizing materials and equipment common to the environment necessary to work in specialized studio facilities.

Late Registration Fee is assessed when students register during the late registration period (or a date designated by CCRI). See Late Registration page for more specific information. This fee is nonrefundable.

Applied Music courses carry additional fees as do certain other courses depending upon their nature. The cost of studio lessons is in addition to regular semester fees. The nonrefundable Applied Music Fee is to be paid to the Bursar after registering for one- and/or two-credit applied music courses. Contact the Performing Arts Department for information: 401-825-2168.

Culinary Arts Fee is an additional fee assessed to certain Culinary Arts courses.

Returned Check Fee [$25] is charged for any check returned by the bank. This fee is nonrefundable.

Nursing Clinical Fee is an additional fee assessed to certain Nursing courses to offset the rising costs of maintaining a high-quality program of study. This fee is nonrefundable.

Nursing Testing Fee is for the Health Educational Systems Incorporated (HESI) tests and Live Review to promote success on the national licensure exam.

Dental Hygiene Fee is an additional fee assessed to certain dental hygiene courses to offset the rising costs of maintaining a high-quality program of study.

Payment Plan (Set up) Enrollment Fee is assessed to those students who enroll in the CCRI deferred payment plan. This fee is assessed each semester to those students who in enroll in this program. This fee is nonrefundable.

Payment Plan Late Fee is assessed to a student’s account for each late or missed payment plan installment. This fee is nonrefundable.

WAIVERS
Tuition waivers are available in the following categories: unemployment, senior citizen, disabled veteran and Rhode Island National Guard. Exact dates of registration and criteria for acceptance into these programs are publicized online.

Some waivers may not be used for courses that reserve places for students upon acceptance to specific programs as listed on the waivers page. Additionally, waivers do not cover the cost of books.

A waiver exchange policy established by the Rhode Island Board of Education states that a student who pays full-time tuition “at one of the public institutions of higher education in Rhode Island may enroll for a maximum of seven credit hours of study per semester at one of the other public institutions at no additional expense,” subject to certain requirements of each institution’s own policies. Interested students should contact CCRI’s Office of Enrollment Services: webadmission@ccri.edu or 401-825-2003.

For further information, please visit the waivers page or contact the Bursar’s Office during regular business hours: bursar@ccri.edu or 401-825-2151.
REFUND POLICY FOR DROP/WITHDRAWAL

All part- and full-time students are subject to the refund policy.

- Refunds are determined by the date specified on the notification of withdrawal, or the date on which the student drops or withdrawing from class(es).
- Students who drop and/or withdraw from classes up to 10 days prior to the start of classes (or a date designated by CCRI) receive a 100 percent refund of tuition and all fees.
- Students who drop and/or withdraw from classes 10 days prior to the start of classes (or a date designated by CCRI) through the add/drop period receive 100 percent refund of tuition and course assessed fees only. All other fees, including Registration fee, are not refunded.
- Students who drop or withdraw from classes after the add/drop period WILL NOT receive any refund of tuition or fees.

Refund Policy for Drop/Withdrawal from Modular Courses (courses that do not meet the standard 15 weeks.)

All part- and full-time students are subject to the following refund policy.

- Refunds are determined by the date specified on the notification of withdrawal, or the date on which the student drops or withdrawing from class(es). Visit the Bursar website for more information.
- Students who drop or withdraw from classes on or before two days prior to the first day of a modular session receive a 100 percent refund of all tuition and fees.
- Students who drop or withdraw after two days prior to the first day of class through the established course adjustment period for the modular session will receive a 100 percent refund of tuition and course assessed fees only. All other fees will not be refunded.
- Students who drop or withdraw from courses after the end of the drop period for the modular session do not receive any refund.
- Students with extenuating circumstances may appeal for consideration of a refund by contacting the Associate Vice President for Student Services.
- For questions about the refund policy, call the Bursar’s Office at 401-825-2151.
Financial Aid

- Types of Financial Aid
- Withdrawal from the College
- Satisfactory Academic Progress Policy (SAP)
- Consequences for Not Meeting the Requirements

The Community College of Rhode Island offers financial assistance to students who might otherwise be unable to further their education without such support. Depending on the type of aid, eligibility is based on one or more of the following criteria: financial need of the individual (in the case of dependent students, family need is used), educational costs, academic program and availability of funds.

TYPES OF FINANCIAL AID

Pell Grant
A federal grant awarded to students who demonstrate significant financial need and have not previously earned a Bachelor's degree or its equivalent. Awards are based on students' enrollment status and their expected family contribution. Awards for full-time students range from $639 to $6,345 per academic year.

Federal Supplemental Educational Opportunity Grant (FSEOG)
A federal grant that is awarded when a student demonstrates exceptional need and has not previously earned a Bachelor's degree or equivalent. Limited funding is available, not all students who qualify will receive SEOG.

College Work Study Program (CWS)
A federal work program that provides jobs for students to earn paychecks to help pay for educational expenses. This program encourages community service and work related to the student's course of study. Students will be paid at least the federal minimum wage and can work up to 15 hours per week.

Student Help
A CCRI institutional non-need-based student work program on campus. Students will be paid at least the minimum wage and can work up to 15 hours per week. Students who are not eligible for need-based CWS may be considered for the Student Help program.

Federal Direct Subsidized Stafford Loan
When a student's need cannot be met with other forms of financial aid, a federal direct Stafford Loan may be recommended. A subsidized loan has a fixed interest rate of 4.53 percent for the 2019-2020 academic year. No interest is charged while a student is in school at least half-time, during the grace period or during deferment periods. Repayment is deferred until six months after students graduate, withdraw or enroll less than half time. An origination fee is charged at time of disbursement. Students must be enrolled at least half time (six credits) at time of disbursement. Community college students are limited to three years of subsidized loan borrowing.

Federal Direct Unsubsidized Stafford Loan
A federal loan that is not based on financial need. Unlike the subsidized Stafford Loan, interest begins to accrue while the student is enrolled, during grace periods and/or during deferment periods. Repayment is deferred until six months after students graduate, withdraw or enroll less than half time. Unsubsidized loans have a fixed interest rate of 4.53 percent for the 2019-2020 academic year. An origination fee is charged at time of disbursement. Students must be enrolled at least half time (six credits) at time of disbursement.

Federal Direct PLUS Loan
PLUS loans allow parents of dependent undergraduate students to borrow up to the cost of education minus other financial assistance. Like the direct unsubsidized Stafford Loan, interest is not deferred during all in-school, grace and deferment periods. An origination fee is charged at disbursement. Unless deferred, repayment begins 60 days after the last disbursement of the academic year. Students must be enrolled at least half time (six credits) at time of disbursement.

CCRI Grant
A CCRI institutional grant for students enrolled in an eligible certificate or degree-granting program. Student must be enrolled in at least six credits each term and meet certain eligibility requirements. The grant may be prorated based upon students’ enrollment status when considering the amount of grant to be awarded.
Rhode Island State Grant
A state grant awarded to Pell Grant recipients, who are RI residents, priority is given to students enrolled at least half time (6 credits) in need of additional free aid to pay for tuition and fees and if funding permits, an allocation for books. The grant may be prorated based upon students’ enrollment status when considering the amount of grant to be awarded. The amount of the grant awarded will be reflective of all free aid and waivers received. Award amounts vary.

Scholarships
Awarded by the CCRI Foundation and the Alumni Association to assist incoming, continuing, graduating and transferring students in meeting their financial needs. More than 90 scholarships, which are need-based and/or merit-based, are awarded to deserving students each year. Detailed information about each scholarship and the application are available here.

Withdrawal From The College
Repayment of Title IV Funds
The Federal Financial Aid Title IV Refund Policy requires colleges to calculate how much federal aid a student has earned if he or she withdraws or stops attending all courses prior to completing more than 60 percent of the semester. Students may have to return a portion of the aid received, as well as owe the college a portion of the tuition and fees.

The policy allows a student to earn a portion of the financial aid awarded for each day of enrollment. In addition, the policy requires a student to repay the U.S. Department of Education a portion of the unearned funds received depending on the withdrawal date. A student who remains enrolled beyond the 60 percent point earns all aid for the semester for which the aid was awarded.

If the student unofficially withdraws (stops attending) or the student's academic transcript reflects unsuccessful completion of all courses during the semester, the Community College of Rhode Island will have student aid calculated based on the last reported date of attendance, or if unknown, at 50 percent completion of the term. Documentation of an academic- related activity, including notification from the faculty, may be used to recalculate aid eligibility based on the last date of attendance. Students who have questions should contact their campus Enrollment Services or Financial Aid office.

Satisfactory Academic Progress Policy (SAP)
Federal regulations require students to demonstrate satisfactory academic progress (SAP) toward an eligible degree or certificate program to qualify for financial assistance. Satisfactory academic progress includes three required standards:

1. Quantitative (i.e. number of credits earned divided by the number of credits attempted), PACE measure
2. Qualitative (i.e. grade point average), GPA standard
3. Timeframe, the program of study must be completed within 150% of the timeframe allowed. For example, students enrolled in an associate degree program that requires 60 credits for completion must finish their program before exceeding 90 attempted credits (i.e. 60 credits x 150%=90 credits)

Satisfactory Academic Progress (SAP) for financial aid applicants is reviewed at the end of each spring semester regardless of whether the student received financial aid for the semester(s) being reviewed. SAP will be measured at the end of each semester (fall, spring and summer) for students enrolled in a certificate program and/or who have an appeal approved to ensure compliance with conditions of their education plan. SAP will also be measured at the end of every term for students who are not maintaining SAP to determine if they are back in good standing.

Requirements

<table>
<thead>
<tr>
<th>Attempted Credits</th>
<th>Cumulative Financial Aid GPA Required</th>
<th>Completion Rate (PACE) Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-9</td>
<td>No evaluation</td>
<td></td>
</tr>
<tr>
<td>10-15</td>
<td>2.00</td>
<td>60%*</td>
</tr>
<tr>
<td>16-30</td>
<td>2.00</td>
<td>60%*</td>
</tr>
<tr>
<td>31-45</td>
<td>2.00</td>
<td>67%</td>
</tr>
<tr>
<td>46-90</td>
<td>2.00</td>
<td>67%</td>
</tr>
</tbody>
</table>

(*Students in a certificate program of less than 30 credits in length must reach a 67% PACE by the midpoint of their program)

PACE example: students who have attempted 15 credits, must earn 9 credits to maintain a 60% completion rate. Students who have attempted 24 credits cumulatively, must earn 14 credits cumulatively to maintain a 60% completion rate.)
Students who have attempted 32 credits, must earn 21 credits to maintain a 67% completion rate. Students who have attempted 45 credits cumulatively, must earn 30 credits cumulatively to maintain a 67% completion rate.

The first 30 credits of a student's developmental coursework do not count toward the 150% limit, however developmental credits attempted and grades earned in these courses are counted in the qualitative and quantitative academic progress measures. Any developmental coursework above 30 credits will count toward the 150% limit and may therefore affect the student's eligibility to receive financial aid. Financial aid does not cover any developmental coursework above the allowed 30 credits.

The "financial aid GPA" includes all grades from developmental coursework, the institutional GPA excludes developmental coursework.

All courses withdrawn from are considered credits attempted but not earned.

Attempted credits are all credits registered for at the end of the add/drop period. To earn credits, a student must receive a final grade of A, B, C, D, S, or P. Students who receive a final grade of F, I, IC, NA, NR, NS, W, WP or WF will not earn credits for their courses.

Students should contact the Financial Aid Office when grades are changed after the final grading period, for example, when incomplete coursework is submitted and an I grade is updated or when a grade change is issued. The SAP status will be re-evaluated based upon the updated grade history. Changes to the SAP status cannot be processed retroactively for award periods that have already ended, the new SAP status will allow students to regain eligibility for future terms only.

Repeating Coursework

Once a student receives a "D" or better grade, they can repeat the course a second time. If a student receives a grade the second time, the following applies:

1. Letter grade of A, B, C, D or F, Financial Aid will not pay for a third attempt.
2. "W", "WF", "WP", "NA" course is considered attempted and not completed. Financial Aid will pay for additional attempts until a student receives a grade of A, B, C, D or F.

Student is not to have completed a course until they have a grade of "D" or better. Therefore, students initially receiving "W's" and "F's" are eligible for Financial Aid until they receive a "D" or better.

Once a student receives a grade of "D" or better, option 1 or 2 may apply. Only the highest grade of a repeated course will be included in the overall Financial Aid GPA, and the credits attempted and earned will only be counted once, even if the course is successfully passed multiple times.

If a student fails to meet the SAP policy described above, the student will become academically ineligible for financial aid for the next enrolled semester. This will result in the ineligibility for all federal, state and institutional financial aid. Once placed on financial aid suspension, a student may regain financial aid eligibility by meeting the required GPA and PACE standards based upon the number of credits they have attempted.

Students who have exceeded the 150% requirement may only regain eligibility upon approval of an appeal (see below) or by declaring a new program of study. Students who declare a new major will have their 150% calculation based upon only those attempted credits that apply to the new program. The recalculation will be completed upon request by the student and/or Academic Advisor.

When a student becomes academically ineligible, they have the right to appeal the suspension of their financial aid based on mitigating circumstances (please see Financial Aid Appeal Instructions). All appeals must be submitted in writing and documentation must be provided when applicable. Situations such as serious illness and family emergencies may be considered as mitigating circumstances. The Financial Aid Appeal committee will review appeals and make decisions regarding approval or denial. The decisions of this committee cannot be appealed unless additional information is presented that was not included in the initial appeal. The decision of the Financial Aid Appeal committee may only be overturned by the Director of Financial Aid or their designee.

Students with approved appeals will be given a plan of study ("academic plan") by an Academic Advisor and will be considered on probation until they are back in compliance with all SAP standards. During the probationary period, the student must earn all credits attempted with a minimum 2.0 term financial aid GPA and must continue to enroll in only those courses outlined in the plan of study and/or courses specifically required for graduation from their current program of study. The plan of study may require a higher minimum GPA to allow the student to achieve a 2.0 by the time they are ready to graduate. A review of probationary students' academic progress is completed at the end of each semester to ensure the student is in compliance with the requirements of their plan of study.

Visit the OES website for further information about:

- How to apply for financial aid.
- Student loan information.
- CCRI bookstore authorizations.
- Student employment.
- Determining eligibility.
- Terms and conditions.
Transfer Information

- Transfer Articulation with Four-Year Institutions
- Joint Admissions Agreement (JAA) with RIC and URI
- Transferring from CCRI to Other Colleges and Universities
- Transferring Credits to CCRI

Transfer Articulation with Four-Year Institutions

The Community College of Rhode Island has both college-to-college and program-to-program transfer articulation agreements with many four-year institutions, and the number of agreements continues to grow. These agreements guarantee CCRI students who graduate with an associate degree and a specific grade point average will be accepted and receive both transfer credit and advanced standing upon transfer to the four-year institution.

Transfer planning should begin during a student’s first semester at CCRI. For transfer information and planning, contact Advising and Counseling: advising@ccri.edu or 401-825-2301.

Our program-to-program agreements allow students to focus on a particular major while at CCRI and prepare for transition to a specific major at a four-year institution. The agreements allow students to maximize their transfer credits and enter the four-year institution as juniors. Detailed information about our current agreements is online.

Our college-to-college agreements allow students to transition to a four-year school after graduating with an associate degree from CCRI. Students are encouraged to contact representatives from the four-year schools to help maximize their transfer credits. For additional information regarding these agreements, visit this page.

Additionally, CCRI has numerous program transfer agreements and Joint Admissions Agreement options with Rhode Island College and the University of Rhode Island. For the most up-to-date information, please visit the RI Transfers website.

JOINT ADMISSIONS AGREEMENT (JAA) WITH RIC AND URI

Students interested in earning a bachelor’s degree from Rhode Island College (RIC) or the University of Rhode Island (URI) may participate in JAA at CCRI. JAA is a program for first-time college students who sign up before earning 30 college-level credits.

JAA participants

- Earn an associate degree in General Studies at CCRI.
- Complete one of the approved JAA transition plans within five years.
- Meet with a CCRI and a RIC or URI advisor each semester.
- Graduate from CCRI with at least a 2.4 cumulative GPA.
- Meet all the requirements of the JAA program.

Benefits to JAA participants

- Access advising from CCRI and RIC or URI.
- Conditional acceptance at RIC or URI while attending CCRI.
- Eligibility for a tuition reduction by earning a 3.0 GPA or higher.
- Savings through waived application fees at RIC or URI.
- Once at RIC or URI, register for courses with other degree students with the same number of credits.

Students interested in JAA should meet with an advisor in the Department of Advising and Counseling to discuss transfer options and complete the Joint Admissions Agreement application: 401-825-1233 or jaa@ccri.edu. More information on JAA can be found on their website.

TRANSFERRING FROM CCRI TO OTHER COLLEGES AND UNIVERSITIES

Transfer planning should begin during a student’s first semester at CCRI. While some four-year institutions prefer that students complete associate degree requirements before transferring, the entrance requirements at four-year colleges vary widely. Catalogs and websites of four-year colleges usually indicate this information, including the minimum cumulative grade point averages required for transfer, application procedures and deadlines.

- Transfer requirements range from a minimum of 2.0 (C average) GPA at many institutions to near 4.0 (A average) at more selective institutions.
- Students need to follow a plan of study at CCRI that is consistent with specific program requirements at the transfer institution. This kind of planning ensures a maximum number of transfer credits since individual institutions have their own specific requirements.
Students who want to transfer should have their programs continually monitored by the Advising and Counseling staff, faculty advisors and representatives from the institutions they wish to attend. A transfer fair is held each semester at CCRI’s main campuses for this purpose. In addition, representatives from various colleges are routinely invited to campus to meet personally with students regarding transfer.

Students who want to transfer with advanced standing to other institutions must meet academic criteria and course requirements set by the receiving institution. Transfer credits for advanced standing are accepted at the option of the four-year college.

Students applying for transfer to some four-year colleges and universities must show evidence of a high school diploma or its equivalent. The Board of Education Policy for Articulation and Transfer, is available to provide students with information about requirements to transfer to Rhode Island College and the University of Rhode Island: www.ritransfers.org. Students are also encouraged to discuss their plans with the admissions officers at RIC at 401-456-8234 or URI at 401-874-7100.

Interested students may call the Department of Advising and Counseling at 401-333-7160 in Lincoln, 401-825-2301 in Warwick, 401-455-6063 in Providence or 401-851-1625 in Newport, to make an appointment with a counselor who can discuss options and assist in selecting courses for future semesters.

TRANSFERRING CREDITS TO CCRI

CCRI does not automatically give credit for courses taken elsewhere. Students who satisfactorily completed collegiate-level courses at other regionally accredited institutions may have their courses evaluated once their academic goals have been established. Preparatory classes are not transferable. Contact transfer@ccri.edu or 401-825-2003 to find out how to have your courses evaluated. Additionally, quarter-hour credits earned are converted to semester hour credits by a three-quarter ratio.

Grades of C- or better in courses required by the CCRI program of study are required for transfer. Some programs may have more stringent policies. Except for literature, general electives, select art courses, speech, and writing, credits completed beyond 10 years might not transfer, unless the student seeks approval of the chairperson responsible for the intended major.

If transferred coursework meets the benchmark (minimum grade requirement) for Performance-Based Health Sciences admissions, additional transfer coursework for the same requirement cannot be granted. However, if a student chooses to repeat the required course, it can be completed only at CCRI. Students should first meet with an admissions officer or academic advisor for guidance and an academic plan: advising@ccri.edu or 401-825-2301.

Transfer students are required to take the ACCUPLACER placement exam. However, if a student transfers the equivalent of ENGL 1005 - College Writing or ENGL 1010 - Composition I, the writing portion of the exam may be waived. Failure to take the appropriate placement exam may cause problems when trying to register for courses that require testing scores as prerequisites.

Additionally, individuals with military training or substantial life experience in a specific field can explore Prior Learning options. See more about Credit for Prior Learning here.

The total number of credits transferred, including Prior Learning Credit awards, may not exceed 75 percent of the credits required for a degree or certificate program. The transfer credit review process takes an average of two to three weeks to complete and may take longer during peak periods. Therefore, students are encouraged to send official transcripts from all prior institutions immediately after applying to the college: transfer@ccri.edu. Students will be notified by mail once transcripts have been evaluated.

Potential students are encouraged to review our databases showing how courses have historically transferred to CCRI.

"Students who, through no fault of their own, encounter legitimate difficulties in transferring from one institution to another must seek resolution of these difficulties through institutional procedures, with the assistance of academic advisors." Please visit the Rhode Island Transfer website for more information on the transfer appeals process.

Reverse Transfer

Reverse transfer enables current or former Community College of Rhode Island students to apply credits they earned at regionally accredited colleges and universities toward a degree at CCRI. Find out more at the OES website.

To earn an associate degree through reverse transfer, you need

• At least 60 college-level credits, with at least 15 from CCRI.
• A combined GPA of 2.0 or higher.
• To resolve any financial obligations to any school.
• A transcript review.
Community College of Rhode Island

After reviewing your transcripts, a CCRI advisor will help you figure out which courses you need to complete your degree or certificate. If you think you qualify for reverse transfer or have questions about the process, please contact us: reversetransfer@ccri.edu or 401-333-7092.

Foreign Transcripts
Foreign transcripts must be evaluated by an outside agency prior to submission to the Community College of Rhode Island Office of Enrollment Services. A course-by-course evaluation with grade and credit hour equivalency is required for transfer credit assessment. Please visit the OES website for a list of approved agencies.
Academic Information

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  • Minimum Credits
• General Education Core Curriculum Requirements
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  • Mathematics and Science
  • Social Sciences
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  • Adding a Course
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  • Waiving Course Prerequisites
  • Permission Of Instructor
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  • Repeating a Course
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CCRI’s Definition of an Educated Person

Four Abilities
The faculty and staff of the Community College of Rhode Island have established four critical abilities that define the learning outcomes of a CCRI graduate. These four abilities can be applied in many contexts and are critical skills that must be developed not only at CCRI but over the course of a lifetime. These core abilities are reflected in our General Education Core Requirements and guide students, faculty and staff in establishing educational goals and assessing learning within and across the primary domains of knowledge: arts and humanities, science and mathematics, and the social sciences.
1. Effective Communication
   a. Create written work that develops and expresses ideas and that addresses a given context and target audience.
   b. Communicate effectively via oral presentations, performances, participation in group work, and visual presentations.

2. Critical Thinking
   a. Identify, analyze, and apply evidence and ideas, question assumptions, and draw logical conclusions.
   b. Develop information literacy by locating, evaluating, synthesizing, and using information to accomplish a specific purpose.

3. Quantitative and Scientific Reasoning
   a. Demonstrate an understanding of and apply scientific principles, theories, and methods.
   b. Apply quantitative principles to solve problems and support arguments with quantitative evidence in a variety of formats (e.g. words, tables, graphs, equations, etc.).

4. Awareness of Oneself and the World
   a. Demonstrate an understanding of global, cultural and historical perspectives.
   b. Function effectively in social and professional environments and make reasoned decisions based on ethical standards, self-awareness, and personal responsibility.

Assessment of Student Learning
CCRI is committed to providing quality education and assuring that students acquire the knowledge and skills necessary to be successful.

Assessment of student learning provides the information needed to make improvements in program structure, course content and pedagogy. To this end, information, including samples of student work provided by faculty, may be collected at the classroom, department and institution levels. The information collected is completely anonymous and has no impact on student grades. Aggregated results are used for program planning purposes and may be included in institutional research analyses and reports. In addition, students may be asked to submit samples of their coursework and engage in focus groups. They also may be asked to complete a questionnaire assessing the quality of academic services.

These activities help determine the extent to which students demonstrate competency in the areas outlined in CCRI’s Definition of an Educated Person and in their area of concentration.

General Education Core Curriculum Requirements
Minimum Credits
A minimum of 20 credits of General Education coursework is required to meet the accreditation standards established by the New England Commission of Higher Education (NECHE) for associate degree programs. Each degree program at CCRI includes courses from the three broad General Education categories of Humanities, Mathematics and Science, and Social Sciences.

To ensure both breadth and depth, a minimum of three credits from one area and a minimum of six credits from two areas are required.

Most CCRI degree programs have specific General Education requirements as outlined in their program requirements, and many include more than the minimum requirement of 20 General Education credits.

All courses within each of the specific disciplines must be numbered at the 1000 level or higher to qualify as fulfilling the General Education requirements.

Courses Approved for General Education Credits
The following courses have been approved for meeting general education credits within the listed disciplines.

Humanities
HUMN

Humanities courses present knowledge concerned with humanity and world culture: philosophy, literature, language study and the fine arts. The fine arts include music, theater and visual arts. The following are accepted general education humanities courses:

View a list of Attribute Courses
Mathematics and Science

**MSCI**

These courses present systematized knowledge derived from observation, study and experimentation. The following are accepted general education mathematics and science courses:

View a list of Attribute Courses

Social Sciences

**SSCI**

Courses within the social sciences are concerned with the study of people and their behavior, both individually and as a member of groups, nations, cultures and societies. The following are accepted general education social sciences courses:

View a list of Attribute Courses

**Course Attributes**

Many courses have been assigned an attribute, a quality that signifies that a particular course will satisfy a specific academic program requirement. Please see individual Programs of Study - Degrees and Certificates pages for more detail.

For a complete listing of courses in each attribute category, select the specific link below.

- **FINE** = Fine Arts
- **HUMN** = Humanities
- **LABS** = Lab Science
- **LANG** = Foreign Languages
- **LITR** = Literature
- **MTHH** = Mathematics
- **MSCI** = Mathematics and Science
- **PROG** = Programming
- **SSCI** = Social Sciences

**Grading System**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>Description</th>
<th>Cumulative Grade Index Number of Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Superior</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td></td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td></td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>Above Average</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td></td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td></td>
<td>2.3</td>
</tr>
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<td>C</td>
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<tr>
<td>D+</td>
<td></td>
<td>1.3</td>
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<tr>
<td>D</td>
<td>Below Average</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0</td>
</tr>
</tbody>
</table>

Note: F grade is also used by the Nursing, Allied Health, Rehabilitative Health and Dental Health departments when a student fails the clinical component of any course.
Some programs may have more stringent grading matrices.
The following designations are not calculated in the grade point average.

**S: Satisfactory**
This is used for noncredit courses except MATH 0099, 0100 and 0101 and field experience.

**U: Unsatisfactory**
This is used for noncredit courses except MATH 0099, 0100 and 0101 and field experience.

**I: Incomplete Work**
This temporary grade designation is awarded at the end of a course. It is awarded only when a student is PASSING, has attended or completed at least 75 percent of the course and is unable to complete the course due to extenuating circumstances (e.g. illness, death, unforeseeable accident, unavoidable circumstance.). With the instructor’s consent, a Contract for Completion of Incomplete Coursework form must be completed by the instructor and student with the understanding that all remaining work must be completed by the end of the following semester. (Exception: If I is given in spring, work must be completed by end of fall semester.) Should the work not be completed by the established date of the contract, the I will change to an F.

**W: Official Withdrawal**
This is used when a student officially withdraws from a course during weeks three through 10 or two-thirds of the length of the course. It is included in attempted credits but not in the grade point index.

**WP: Unofficial Withdrawal, Passing**
This is used when a student unofficially withdraws from a course at any point in the course and has a passing grade. It is included in attempted credits but not in the grade point index.

**WF: Unofficial Withdrawal, Failing**
This is used when a student unofficially withdraws from a course at any point in the course and has a failing grade. It is included in attempted credits but not in the grade point index.

**NA: Unofficial Withdrawal, No Assessment**
This is used when a student unofficially withdraws from a course before the instructor has made any academic assessment. It is included in attempted credits but not in the grade point index.

**AU: Audit**
Refer to Academic Information/Audits in this catalog.

Grades are available online through MyCCRI provided all financial obligations to CCRI are met.

In-House Credits
In-house credits are counted for time status (full time or part time) and for reasons of financial aid and academic progress. They are not counted in overall GPA, do not count toward any degree or certificate, and will show on the student transcript as “exclude credit.” An asterisk (*) following a letter grade on a transcript indicates in-house credit.

Confidentiality And Review Of Records
Refer to FERPA information.

**Academic Standards Policy**

**Goal Of The Policy**
The main goal of any academic standards policy is to provide assistance to those students who are experiencing academic difficulty. An early warning to students experiencing academic problems often results in their seeking academic support through a variety of options that help students achieve academic success. An early warning may limit the number of credits a student may take in a semester. They also may be required to select special courses or other student support options that provide special academic assistance. The goal for the college and its students is to improve academic performance so that students may attain their academic and career goals.

**The Standards**
The following chart details the measures that will be used to determine a student’s academic standing. The standards have a quality component (GPA) measured against a quantitative component (number of credits attempted).
<table>
<thead>
<tr>
<th>ATTEMPTED CREDITS</th>
<th>CUMULATIVE GPA REQUIRED</th>
<th>WARNING</th>
<th>PROBATION</th>
<th>PROGRAM DISMISSAL*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-15</td>
<td>1.25</td>
<td>Below 1.25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-30</td>
<td>1.50</td>
<td>Below 1.50†</td>
<td>Previous warning, GPA below 1.50†</td>
<td></td>
</tr>
<tr>
<td>31-45</td>
<td>1.75</td>
<td>Below 1.75†</td>
<td>Previous warning, GPA below 1.75†</td>
<td>Previous warning, GPA below 1.75†</td>
</tr>
<tr>
<td>46-90</td>
<td>2.00</td>
<td>Below 2.00†</td>
<td>Previous warning, GPA below 2.00†</td>
<td>Previous warning, GPA below 2.00†</td>
</tr>
</tbody>
</table>

* Students who are dismissed from a degree program are not permitted to enroll in courses as a nondegree student until they have consulted with an advisor to develop an academic plan of study.

† Students receiving financial aid must remain in good academic standing and are required to successfully complete a minimum of 67 percent of all courses attempted.

WHAT THE CATEGORIES MEAN

If a student fails to successfully complete enough courses in a semester and/or does not meet a required grade point average, the student may be placed under one of the following academic restrictions:

**Academic Warning:** Students are restricted to 13 semester credits and may be required to take three credits of developmental courses. Students must see an academic advisor.

**Academic Probation:** Students are restricted to 10 semester credits. Students are required to see an academic advisor who may require at least six of the 10 credits to be developmental courses.

**Program Dismissal:** Students will be dismissed from their program of study. These non-matriculating students must see an academic advisor to review various academic and developmental options to regain good academic standing. When the student is readmitted to his or her program of study, that student will remain on probation for one academic semester. The academic advisor will determine the number of credits allowed for study.

The developmental interventions and academic options may include a variety of skill development coursework, career skills/goals assessment, and program change or course load reduction.

**STUDENT APPEAL OPTIONS**

Students may appeal program dismissal status to the Committee on Academic Standards.

**Appeals Process:** If a student feels there are serious extenuating circumstances that contributed to poor academic performance, the student has an opportunity to appeal the academic sanction of “program dismissal.” Students who wish to appeal the sanction of dismissal must meet with a counselor in the Department of Advising and Counseling to discuss the merits and procedures of the appeal. If it is decided that the student has grounds for an appeal, the following procedures will apply:

1. Students must present their appeal of academic dismissal in writing and state the specific circumstances which merit consideration of an appeal.
2. The letter of appeal will be addressed to the Academic Appeals Committee and mailed to the Office of the Dean of Arts, Humanities and Social Sciences, 400 East Ave., Warwick, RI 02886.
3. The Academic Appeals Committee will review the request for appeal and will render the decision of the committee. The student will be notified in writing of the committee’s decision.

**OTHER OPTIONS**

The Academic Renewal (Forgiveness) Policy

CCRI students may request academic renewal (forgiveness) to allow removal of poor grades from the calculation of their overall GPA based upon two options:

**Option 1:** Academic renewal based upon past academic performance
Community College of Rhode Island

Option 2: Academic renewal based upon change of curriculum

General provisions that apply to both Option 1 and Option 2

1. A student may request academic renewal once under the academic performance option and once under the change of curriculum option.
2. If a student requests forgiveness for a course or courses in which he or she has earned a grade of D or F, the credits earned in any such course or courses will be removed from the total credits earned and the student will receive no credit for the course. However, courses including grades will remain on the student’s official transcript designated with a special code for academic renewal.
3. All requests should be submitted using the Academic Appeal Form and forwarded to the Academic Appeals Committee. Waiver forms are available from any advisor/counselor in the Advising and Counseling office on any campus.

Specific provisions for Option 1 – Academic renewal based upon past academic performance

1. After three consecutive years of nonattendance at CCRI, a student may request academic renewal based upon past academic performance.
2. After the student completes 12 credits with a GPA of 2.5, the request will be reviewed by the Academic Appeals Committee.
3. If the student’s request is approved by the Academic Appeals Committee, grades of D or F for the courses from the prior attendance period will be excluded from the calculation of the student’s grade point average. However, the courses and grades will remain on the student’s official transcript designated with a special code for academic renewal.

Specific provisions for Option 2 – Academic renewal based upon change of curriculum

1. A student may request academic renewal based upon a change of program of study/ major any time after matriculation and after completion of 12 or more credits with a GPA of 2.5 in his or her new program of study.
2. If a student’s request is approved by the Academic Appeals Committee, grades of D or F in courses that were required by the previous program but are not required by the new program will be excluded from the calculation of the student’s grade point average. However, courses, including grades, will remain on the student’s official transcript designated with a special code for academic renewal.

The Academic Renewal Policy applies to matriculated CCRI students who have completed 12 credits with a GPA of 2.5 or better.

*For financial aid purposes, all attempted credits and grades from all courses (GPA), including those that were forgiven, must be included when determining financial aid eligibility. For details on the standards required for financial aid, visit this page.

All past academic work will remain part of the official transcript but will not be averaged into the cumulative grade point average.

Students enrolled in any of the Health and Rehabilitative Sciences programs must be aware of the following:
Academic standards specified by the Health and Rehabilitative Sciences programs supersede the college-wide academic standards. Students in these programs must follow the established academic standards policies for the specific department/program. Please refer to the specific program pages of this catalog or the respective department Web pages for specific policies and standards.

Student Schedules

SEMESTER SCHEDULES
The academic calendar for each semester/term can be found on the online college calendar page.

COURSE LOAD
To be considered enrolled full time, students must register for at least 12 credits. Any student who is registered for fewer than 12 credits is considered a part-time student and is billed accordingly. Consult Advising and Counseling to make sure you don’t need to take more than 12 credits per semester: advising@ccri.edu or 401-825-2301.

ADDING A COURSE
Using MyCCRI, students may add available courses to their schedule without permission of the instructor during the published add period found on the online college calendar. Students must add themselves to the waitlist for any courses that are full. (See information about the waitlist below.)

DROPPING A COURSE
Students may drop a course from their schedule without permission of the instructor during the published drop period found on the online college calendar. While permission to drop is not required, we strongly encourage each student to consult with the instructor, or in the case of those students who withdraw from the college, to speak with the Department of Advising and Counseling. Students must use the online MyCCRI system to officially drop a course.

Courses officially dropped prior to the end of the official published drop period are not graded and do not appear on the college transcript. Courses officially dropped during weeks two through 10 are graded with a W (official withdrawal) and appear as such on the transcript. Official withdrawal
from a course is not permitted after week 10 or two-thirds the length of the course. Modular courses may be officially dropped and/or graded with a W depending on each course’s official drop period. Consult the Office of Enrollment Services regarding modular course official drop periods: webadmission@ccri.edu or 401-825-2003.

If students decide to drop a course that constitutes only a part of their schedule (leaving other courses of study in their schedule), they should follow the official drop procedure as noted above. Students will be subject to the prorated fees and rules as specified.

WAITLIST
Prior to the start of classes, CCRI courses have an electronic wait list for students registering for this academic year. There are a few exceptions. Nursing courses do not have a waitlist option. The wait list is activated when the maximum enrollment for a class is reached and allows additional students to indicate an interest in the class.

Students on a waitlist will not be added to the class automatically. When an existing student drops the course, a MyCCRI email notification goes out to the first student on the waitlist. That student has until the date and time indicated in the email notification to register. If the student does not register by that date and time, a MyCCRI email notification will go to the next student on the waitlist. The student who originally received the notice is no longer eligible to register for the course and is no longer on the waitlist.

Students wishing to get back on the wait list must go to their MyCCRI account, drop the waitlisted course from their schedule, click Submit, and then re-register for the waitlist if there are still seats available.

CAPACITY OVERRIDE
Students may register online for classes only if there are seats available. If a course section is at capacity, faculty will have the option to assign the student a capacity override. Students issued a capacity override will receive a MyCCRI email notification with registration instructions. Students must register themselves using MyCCRI.

COURSE CANCELLATION POLICY
Courses that do not meet minimum enrollment standards will be canceled according to the college calendar for each semester. Any student affected by a cancellation will be notified via campus email prior to the first meeting. Registration for another section may be done online. Refunds due to course cancellations are made in full.

COURSE CREDIT POLICY
This policy governs all CCRI credit-bearing courses.

For each credit hour, academic lecture courses will include one contact hour (50 minutes) involving direct faculty instruction (or its equivalent online) and a minimum of two hours of out-of-class work per week over a 15-week period. One credit hour will be awarded for laboratory and field/clinical courses which meet from 120 to 180 minutes per week over a 15-week period. The amount of time assigned to laboratory and field/clinical courses is determined by a consideration of the transfer of theory to practice. For courses meeting in shorter timeframes, comparable equivalencies of contact time and out-of-class work are established.

This means, for example, that students in a three-credit lecture course will meet with the instructor for 150 minutes (3 credits × 50 minutes) per week and will be responsible for an additional six hours (3 credits × 2 hours) of out-of-class work/homework per week. Laboratory or field/clinical courses will meet for three hours of direct faculty instruction plus an additional two to three hours of laboratory or field/clinical experience each week. Classes will meet for 15 weeks unless courses are specifically identified as having an alternate timeframe.

WAIVING COURSE PREREQUISITES
Department chairs may waive course prerequisites online through the first week of classes. Students must register themselves through MyCCRI during the published add period.

PERMISSION OF INSTRUCTOR
Where “permission of instructor” is indicated in the course description of the catalog, instructors may assign an electronic override after the published add period. Students must register themselves through MyCCRI.

LATE REGISTRATION
For information about the late registration period refer to this page. Students registering after the tuition due date must make payment on the day they register.
REPEATING A COURSE
When a student retakes a course for any reason, only the highest grade earned will be figured into the cumulative grade index. However, all the grades received for the course will appear on the student’s transcript. The recomputation of the highest grade earned in the cumulative index is automatic. This change must be made before the degree or certificate program is completed. Please note that repeating classes will affect a student’s financial aid eligibility.

WITHDRAWAL FROM COLLEGE
If a student drops all courses (or a course that is the only one for which he or she is registered), the student is considered to be withdrawing from the College for that term. Students who withdraw after the add/drop period must do so by completing an official withdrawal form through the Department of Advising and Counseling: advising@ccri.edu or 401-825-2301.

LEAVE OF ABSENCE
Leaves of absence are issued only for Health Sciences programs. Students may request a leave from their program of study by completing a Leave of Absence form available from the department chair of their program. The leave of absence does not officially withdraw the student from the College. Students must complete an official withdrawal form through the Department of Advising and Counseling. If a Leave of Absence form is not filed, students may not be readmitted to their program upon returning to CCRI. Students whose leave forms are signed by the department chair may be granted a leave of up to two consecutive semesters.

Students who find it necessary to leave CCRI and who are enrolled in programs other than a Health Sciences program do not need to fill out a Leave of Absence form. They must, however, officially withdraw from the college.

ATTENDANCE
Regular class attendance is an essential part of student success in community college life. When the number of absences becomes excessive, the privilege of continuing in the course is jeopardized. Students are responsible for making up all academic work missed for any reason.

Attendance in First Week of Class is Critical
During the verification of enrollment (attendance) period, faculty will be reporting the names of the students who have attended their classes in the first week of the semester. Attendance is a condition of enrollment. Students must attend class during the first week of class or contact the instructor to make arrangements to continue in the course. If the instructor does not hear from the student during the first week of class, the student will be dropped from the class as a “no-show.” Being marked as a “no-show” means that the student is no longer officially enrolled in the class.

Verification of Enrollment
Title IV eligible institutions are required to verify student enrollment. All faculty members are required to complete verification of enrollment per the dates in the college calendar. The verification of enrollment is used to verify that students are enrolled and to identify students who have failed to attend and failed to contact their instructor. These students will be reported as a “no-show.”

Students marked as a “no show” will be sent an email notification that they have been dropped from the course. In cases where a student believes he or she was erroneously marked as a “no-show,” a request can be made for re-admittance. The instructor will have the option of assigning an electronic permission code which will allow registration back into the class.

AUDITS
Individuals may audit lecture courses. This means that students may attend and participate in classes but choose to receive no grade or credits. To register as an auditor, students should follow the in-person registration procedures, indicating at that time the desire to audit. Auditors pay tuition and fees. Financial aid does not cover audits.

Experiential Education
CCRI students are provided the opportunity to participate in experiential learning outside the classroom. This option includes a supervised work experience related to a student’s academic interests or program of study. The work experience can be for academic credit or as a noncredit internship. If taken for credit, students develop learning objectives to practice and reinforce classroom theory. The work experience gained before graduation helps students confirm career choices, builds credible work experience, provides opportunities to network and gives students a competitive edge in the job market. Students who choose to earn academic credit can receive four to eight credits by completing one to two semesters of Cooperative Work Experience. These seminars are taken in conjunction with a field (work) placement. (see Cooperative Work Experience LIBA 1010 and LIBA 1020).

JAA students are encouraged to talk to their academic advisor about transferability of Cooperative Work Experience credits. Alternately, students can choose to participate in internships without academic credit to build experience in their field. For more information, call Career Services at 401-825-2322.
Credit for Prior Learning
Put your prior learning, knowledge, and experience to work at CCRI! We have a long history of and commitment to recognizing, evaluating, and awarding college credit for knowledge gained outside of CCRI and for providing accelerated pathways to reduce the time and cost of acquiring a degree or certificate.

Students can earn college credit for prior learning in their field of study. The list below shows some of the opportunities to earn credit for prior learning. Find out more at Prior Learning.

Prior College-Level Education
- Advanced Placement (AP) exams
- International Baccalaureate Diploma Programme
- Credit from other colleges and universities
- Servicemembers Opportunity Colleges (SOC)

Testing – through our CCRI Testing Center
- GED, with score of 175-200
- College Board College-Level Examination Program (CLEP)
- DANTES Subject Standardized Test (DSST)
- UEExcel® and Excelsior College® Examinations

Military, Corporate, and Professional Training
- Military training and experience
- Corporate-sponsored training
- Standardized Credit Awards for workplace training (e.g., apprenticeships, banking, management, police academy, real estate, and tourism)

Other
- Self-Directed Learning (e.g., creative writing, machinist, artist, entrepreneur)
- Departmental Challenge Tests
- Prior Learning Assessment (PLA) of portfolios

For more information about prior learning credit, please contact Prior Learning Coordinator Dina Levitre (glevitre@ccri.edu).

Additional Academic Information

DEAN’S LIST
A Dean’s List is published at the end of fall and spring semesters. A student is eligible for Dean’s List honors when he or she:

- is enrolled in a degree program;
- has earned 12 or more credits in one semester (not including any in-house credits or developmental classes);
- has achieved a grade point average of 3.25 or higher with no grade lower than C for the current semester.

Note: Students who earn a grade of I, IC, WP, WF are not eligible for the Dean’s List.

DISMISSAL FROM THE COLLEGE
Students dismissed from the college or a program for academic, social or other reasons are notified in writing at the time of dismissal. Some departments and programs have specific dismissal policies and students should acquaint themselves with them.

GRADUATION AWARDS
Academic achievement will be recognized at graduation for students who have met the following criteria:

- Graduation Honors: 3.25 cumulative grade point index
- Graduation High Honors: 3.50 cumulative grade point index
- Graduation Highest Honors: 3.75 cumulative grade point index

Note: To be eligible for honors, students must earn at least one-half of the credits for their program at CCRI.
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AWARDING MULTIPLE DEGREES
The Community College of Rhode Island will award multiple associate degrees of the same designation only if there is a 30-credit difference between the two programs in which the degree is being earned.

CONFIRMED GRADUATES
Students will be confirmed as a graduate of the Community College of Rhode Island if degree requirements for the program of study in which they are enrolled have been satisfied according to the following schedule:

- Spring graduates will be confirmed in June.
- Fall graduates will be confirmed in January.
- Summer graduates will be confirmed in August.

HONORS PROGRAM
The Honors Program reflects the college’s commitment to academic excellence. By creating learning communities and by strengthening the opportunities for intellectual dialogue, the Honors Program enhances the educational experience at CCRI.

Students can earn honors credits through supplementary projects within existing course sections and specially designated “honors” courses. Each honors project must be sponsored by an instructor. Students may take a maximum of two honors projects in any one semester.

To be eligible for the Honors Program, students must have completed at least 12 semester hours and earned at least a 3.25 grade point average.

Participation in the Honors Program provides students an opportunity to acquire additional knowledge and skills. Students and faculty work together as “colleagues in learning” – a cooperative spirit that reflects the fundamental purpose of the academic community. In addition, the student’s official transcript will reflect all honors credits. These unique designations on the transcripts not only promote transfer to four-year institutions, but also can lend an advantage with regard to competitive status in the workplace. An extra half credit is available for honors projects integrated into existing course sections. Students who complete four honors projects or more at CCRI will receive special recognition at the graduation ceremony.

For more information, email Lynne Andreozzi-Fontaine, Ph.D., at landreozzifont@ccri.edu or Karen Kortz, Ph.D., at kkortz@ccri.edu.

STUDY ABROAD
CCRI offers a study abroad program through the College Consortium for International Studies. This program provides students the opportunity to study in one of more than 27 countries on six continents to enhance their educational experience through exposure to new cultures and educational systems. A study abroad experience can be a path to self-reliance, independent thinking, and valuable job skills.

The consortium consists of two- and four-year public and private colleges and universities (some of which are sponsors) that cooperate to offer students study abroad opportunities each year. A wide range of academic programs is offered. Except for language studies, most courses are taught in English. All programs are accredited and approved by the college and the consortium. Study abroad programs are available for a semester, full-year or summer.

For more information, call Deborah Notarianni-Girard, Ph.D. at 401-825-2254 or visit the World Languages and Cultures website.

Students may be eligible for financial aid. Call 401-825-2468 for more information.

INTER-INSTITUTIONAL AGREEMENT
Any full-time student enrolled in a degree program may enroll in a maximum of seven credits of his or her full-time schedule during each of the fall and spring semesters at the University of Rhode Island and/or Rhode Island College at no additional expense. Students must be enrolled for at least five credits at CCRI and the total number of credits taken at all institutions combined must be at least 12 credits but not to exceed 18 credits. Summer session registrants are not eligible for this program. Students interested in participating in this agreement should contact the Office of Enrollment Services.

Following completion of the course(s) at the University of Rhode Island and/or Rhode Island College, students must have an official transcript sent back to CCRI’s Office of Enrollment Services as noted on the signed agreement.

CCRI FINANCIAL AID CONSORTIUM AGREEMENT
The CCRI Financial Aid Consortium Agreement may be used by students receiving financial aid who are enrolled in a degree-granting program at CCRI and want to enroll at another institution at the same time. This also may apply for summer enrollment and/or Study Abroad.
CCRI’s Financial Aid office will pay only for courses that are required for the student’s current program of study.

Financial aid can be received at only one institution per semester/term. To have a student’s financial aid applied for classes taken at another school, each semester the student must complete a consortium agreement and proof of enrollment at the “host” institution. The consortium form must be returned to the CCRI Financial Aid office.

Tuition payment arrangements must be made with the “host” school. Financial aid funds paid by CCRI for consortium classes may not be available until four weeks after the start of the Community College of Rhode Island’s semester.

At the end of the semester/term, the student must request that an academic transcript for classes taken at the “host” school be sent to CCRI. These transcripts must be received before additional financial aid can be applied or disbursed at CCRI.

CCRI Financial Aid Standards of Academic Progress apply for classes at “host” schools through a consortium agreement.

The consortium agreement must be completed and approved within 30 days from the first day of classes for the current term at CCRI.

**ACCUPLACER PLACEMENT TESTS**

English and Math Placement Assessments

CCRI requires that all students accepted into a degree or certificate program complete the mandatory ACCUPLACER writing, reading and math placement tests before registering for classes. Nondegree students who wish to enroll in a course requiring a prerequisite also must complete the ACCUPLACER test. This assessment does not affect admission, but the results help to place students in appropriate courses. Students who have taken ACCUPLACER at another college within the last year must have an official copy of the scores sent to the Department of Advising and Counseling at any campus.

Testing takes approximately 2.5 hours and can be completed in the Department of Advising and Counseling.

**PLAGIARISM**

Plagiarism is one form of academic dishonesty addressed by CCRI’s Policy on Academic Integrity. The term “plagiarism” includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Any student found to have committed plagiarism or other forms of academic misconduct is subject to the disciplinary sanctions outlined in the Student Handbook available on the Dean of Students website.

**PROGRAM CHANGES/CHANGE OF MAJOR**

Students may change from one CCRI program or curriculum to another through the “Change My Major” link found on the “For Students tab” in their MyCCRI account. In some cases, this requires approval from the academic department. For more information about the Health Sciences admission process, please visit Admission Guidelines for Health & Rehabilitative Sciences

**RETURNING TO CCRI**

Students who stopped attending for at least two academic years and would like to register for classes should complete an admissions application as a readmit student. Returning students must adhere to the degree requirements published in the catalog for the year they return.
Student Services

- Army ROTC
- Transcripts
- Advising and Counseling
- Athletics
- Campus Stores
- Career Services (See Division of Workforce Partnerships)
- Dining Facilities
- Health Services
- Library
- Student Success Centers
- New Student Orientation
- Opportunity and Outreach
- College Police
- Vetsuccess on Campus
- Student Clubs and Organizations

ARMY ROTC
Under an arrangement with the U.S. Department of Defense and Department of the Army, Community College of Rhode Island students may attend Military Science classes on the Providence College campus at 549 River Avenue, Providence, RI 02918 while attending CCRI and thereby complete their first two years of the four-year ROTC program.

The courses included are ROTC 1010 - Freshman Military Science, ROTC 2050 - Sophomore Military Science and ROTC 2070 - Sophomore Military Science and Lab.

Students who successfully complete the four-year ROTC program and graduate from college with a bachelor’s degree will be commissioned second lieutenants in the U.S. Army Reserve.

TRANSCRIPTS
Transcripts are issued from CCRI’s Office of Enrollment Services and are issued only after all financial obligations to the college have been paid. One week is required for transcripts to be processed during grading, graduation and registration periods.

ADVISING AND COUNSELING
CCRI’s Department of Advising and Counseling offers a full range of academic advising, career, educational and personal counseling services. Academic advising is available for students with program and course selection concerns. Career counseling, consisting of interest, values and personality assessments, is provided to students requesting help in establishing educational and career goals. Counselors also assist students with transfer planning to ensure a smooth transition and maximum transfer of credits to four-year institutions.

Short-term counseling also is available for students who are experiencing personal difficulties as they relate to their academic success. All meetings are strictly confidential.

For information on walk-in hours or to make an appointment, call 401-825-1240.

ATHLETICS
CCRI is home to one of the Ocean State’s finest and most successful intercollegiate athletic programs. Since its inception in 1965, the CCRI program has long been considered a front-runner in New England community college and junior college athletic circles.

The basketball, baseball, volleyball, cross country, and soccer teams have all been nationally ranked. The 2002 women’s soccer team captured the school’s first national championship, while a number of other squads, including men’s basketball and women’s soccer, were national runners-up. With over 5,900 victories, 230 All-Americans, and 914 All-Region selections, CCRI is a leader among New England community colleges. Great coaching is the key to CCRI’s success, and the school has always featured legendary coaches. From Hall of Fame athletic director and men’s basketball coach Vin Cullen, to baseball coaches Whitey Fell and Art Pontarelli, tennis coach Ray Carr and volleyball coach Gail Davis, the tradition of top-flight teaching continues through the present day.

A member of the National Junior College Athletic Association and associate member of the National Collegiate Athletic Association, the College fields intercollegiate men’s teams in baseball, basketball, soccer, cross country, and indoor and outdoor track. Intercollegiate women’s teams
include volleyball, basketball, cross country, soccer, softball, and indoor and outdoor track. Additionally, our Club Sport offerings include men's and women's swimming, women's Beach Volleyball, men's volleyball, and eSports.

The Community College of Rhode Island has proven to be a stepping stone for many student athletes who moved on to complete their academic and athletic careers at four-year colleges and universities throughout the nation.

CAMPUS STORES
The College Campus Stores sell school, art, and nursing supplies, imprinted clothing and gifts, snacks and drinks, bus passes, and new and used textbooks. They also offer rental on some textbooks. When classes are in session, the bookstores are open the following hours.

Knight and Flanagan campuses (fall and spring semesters)
Monday through Thursday, 8:15 a.m. to 7 p.m., and Friday from 8:15 a.m. to 3:30 p.m.

Liston Campus
Monday through Friday from 8:15 a.m. to 3:30 p.m.

Newport County Campus
Open online where books, supplies, and CCRI Merchandise can be ordered online and picked up on campus or shipped.

Please see the bookstores' website for hours during the start of each semester.

When classes are not in session, the Campus Stores are open Monday through Friday from 8:15 a.m. to 3:30 p.m. The Campus Stores also offer extended hours during the first week of classes. For more information, please visit the bookstores' website and follow @ccricampusstores on Facebook and Instagram.

DINING FACILITIES
The college contracts with an outside vendor to operate dining services and vending services on each campus. Menus for each campus can be found at the CCRI Dining Services website and catering can be ordered through the CaterTrax website.

HEALTH SERVICES
The Office of College Health Services is staffed by a Registered Nurse in collaboration with a medical doctor. Generally, the office is open Monday through Friday from 8 a.m. to 4 p.m. Any change of hours is posted at the office, located in Room 1240 Knight Campus.

For emergencies on campus dial extension x2000 from any CCRI phone or 401-825-2000 on a mobile device. For non-emergencies, Campus Police can be reached at their respective campus: Lincoln, 401-333-7035; Warwick, 401-825-2109; Providence, 401-455-6064 or Newport, 401-851-1650.

Student Health Services' primary function is to ensure all immunization requirements, mandated by the State of Rhode Island Department of Health are met, documented, and maintained.

Rhode Island law requires any student entering college full time (12 credits or more), any student studying on a visa, or any full- or part-time student in a health-related field of study to have the following immunizations or blood proof of immunity:

- One Tdap vaccine (tetanus, diphtheria, pertussis)
- Two MMR vaccines (measles, mumps, rubella)
- Three-shot series of hepatitis B vaccine
- Two doses of varicella (chickenpox) vaccine or a statement signed by your health care provider stating that you have a history of chickenpox disease
- Meningococcal vaccine (strongly recommended for students under the age of 22)

In the event students know they received vaccines but cannot obtain their vaccination records from either previous schools or physicians, they can obtain titers (lab tests for immunity). Students who wish to obtain the titers can contact the CCRI nurse at the Knight Campus in Warwick for a discounted lab slip at 401-825-2103.

The Student Health Office is at the Warwick campus Room 1240. Services include: first aid treatment, blood pressure checks, color blindness testing, and health education. The nurse also works in conjunction with the Wellness Committee to organize the Wellness Fair and other wellness initiatives.
Requirements for Health Sciences students

Students and faculty in Health Sciences programs are required to obtain health insurance. Health insurance is not provided by the College or clinical agencies.

Students needing health insurance should contact HealthSourceRI or 1-855-840-4774.

See the Health Sciences program page for more requirements for students in Health Sciences programs. The Health Services nurse can assist you with information about how to obtain necessary documentation: nurse@ccri.edu or 401-825-2103. Students can fax the Health Services office at 401-825-1077.

LIBRARY

The Community College of Rhode Island Library offers a welcoming environment and a commitment to support the diverse cultural and intellectual interests of the college and local community. As a full partner in the educational experience, the CCRI Library provides the materials, resources and services to support the college curriculum, enhance teaching and learning and encourage independent and lifelong learning. The library actively promotes information literacy, critical thinking skills, collaborative learning and intellectual development.

Each campus has a library with printer access and online books, journals and other resources. Our catalog and databases can be accessed on or off campus. Each library is equipped with an electronic classroom with networked computers and printers.

Librarians are available to assist students individually with research questions. Librarians also work with faculty to provide specialized library instruction classes. College-level research classes are offered. See course descriptions for more details.

The CCRI Library is a member of the HELIN (Higher Education Library Information Network) consortium. CCRI students with a library-activated CCRI ID may borrow material from all CCRI campuses and HELIN member libraries: Johnson & Wales University, Providence College, Rhode Island College, Roger Williams University, Salve Regina University, and Wheaton College.

College Success Course (LRCT 1020)

This course will give new students practical tips and strategies that will help them succeed in college. Emphasis is on attitude, study habits, time and stress management. In a setting of active and collaborative learning, students are engaged in a variety of instructional experiences, including discussions with reading, speaking, writing and listening assignments. The course will require the creation of a personal success plan that will include educational and career goals and will introduce and make use of the college's resources and personnel.

STUDENT SUCCESS CENTERS

The Student Success Centers provide academic assistance through tutoring services, coordinate information and referrals to college resources, seek ways to improve student satisfaction and retention, and assist students to achieve their goals. Academic Coaches help students understand their individual learning needs, develop better study habits and behaviors, and create plans to achieve their goals.

Academic Coaching, Peer Tutoring, & Study Strategy Workshops

An essential part of success at any college is the amount of time and effort students put into preparing for their weekly lectures and exams. The Student Success Centers can help you learn how to use your course materials more effectively, integrate online study materials, explore strategies on how to take notes and prepare for exams. Learn how, when and where to study and to better manage your time. Special workshops such as HESI test preparation and pre-semester preparation sessions are offered throughout the year.

In addition, the Student Success Centers provide free peer tutoring for CCRI students in most subject areas. Tutoring allows students to connect with a peer tutor recommended by department faculty to tutor a specific subject. Tutoring is an opportunity for students to ask questions and review course concepts. There is no charge to receive tutoring or to participate in workshops. You may schedule tutoring and workshops from any computer, tablet, or cell phone with internet access by visiting the Student Success Center website.

NEW STUDENT ORIENTATION

New students are assisted in their transition to college level work through an orientation process comprised of New Student Registration and Knights Connect. New Student Registration sessions review critical academic material, provide an opportunity to meet one-on-one with an academic advisor, help you set up your college computing account, register for your classes, and ensure your financial aid is in place. Knights Connect provides opportunities for you to meet your classmates, become familiar with your designated campus and the resources to support you, learn about opportunities to engage outside the classroom, and meet your faculty over lunch.
OPPORTUNITY AND OUTREACH
The Community College of Rhode Island’s Office of Opportunity and Outreach offers several programs that help Rhode Islanders successfully enter and complete college.

ACCESS/TRIO Student Support Services
ACCESS is a TRIO Student Support Services program, funded by the U.S. Department of Education. ACCESS serves 440 students each year across CCRI’s four campuses and offers individualized support to students from acceptance into a program through graduation from CCRI. Services include academic, career, transfer and financial aid advising, and financial literacy. Professional tutoring also is available in several subject areas. Counselors offer workshops designed to address academic skill building and college adjustment. To be eligible, students must be enrolled in an associate degree program, and be the first generation in college (neither parent completed a baccalaureate degree), low-income and/or have a . Selection for participation in ACCESS is competitive and decisions are made on the strength of an interview and on a first-come, first-served basis. For more information, contact 401-825-2305 or visit the Access Website.

Community and Social Resources
The Community and Social Resources office is available to help students facing non-academic barriers to success by connecting them with social support systems in their community. Examples of such assistance includes emergency food, emergency housing, childcare, medical assistance, mental health/substance dependency treatment, transportation and legal services. All services are free and confidential. For more information contact 401-455-6156 or visit the Community and Social Resources website.

Disability Services for Students
Disability Services for Students (DSS) provides support services and coordinates reasonable academic accommodations for students with documented disabilities under the ADA and Section 504 of the Rehabilitation Act. Academic accommodations include, but are not limited to, the use of assistive technology, alternative testing, course accommodations, sign language interpreters, reader/audio taping services, scribes and peer notetakers. Students are responsible for identifying themselves to the DSS office and submitting appropriate documentation in advance of the requested accommodation. In addition, the DSS office serves as a resource to faculty and staff, works to dispel negative and limiting stereotypes, and promotes a campus environment that is sensitive, accepting and responsive to the needs and contributions of all CCRI students.

For more information, visit the Disability Services for Students website or contact DSS: 401-825-2164 in Warwick; 401-333-7329 in Lincoln; 401-455-6064 in Providence; or 401-851-1650 in Newport.

Gateway to Success
Gateway to Success is a free program designed to help students enhance their Reading and/or Math skills and possibly improve their Accuplacer test scores. At the end of the program, students will have an opportunity to re-take the Accuplacer and, hopefully, test into higher-level courses, saving both time and money. Students interested in learning more about the program can visit the Gateway to Success website or contact Naglaa Gaafar at 401-825-2407 or at nagaafar@ccri.edu

REACH (Realizing Educational and Career Hopes)
REACH assists Rhode Island Works participants throughout Rhode Island to acquire the educational, vocational and personal skills required to be self-sufficient and gainfully employed. The program provides academic and career guidance to help participants develop educational and career plans. In addition, RI Works referred participants are assigned a REACH coordinator who provides case management, mentoring and direction to support services during their program of study at CCRI. REACH is funded by the Rhode Island Department of Human Services.

For more information, visit the REACH website or contact the REACH office nearest you: 401-825-2290 in Warwick, 401-333-7166 in Lincoln, 401-455-6067 in Providence or 401-851-2290 in Newport.

Rhode Island Educational Opportunity Center
The Rhode Island Educational Opportunity Center (RIEOC) is a TRIO program funded by the U.S. Department of Education that provides comprehensive, individualized support to Rhode Island adults who want to continue their education. RIEOC services include financial aid application assistance, admissions application assistance, fee waivers, career counseling, GED® and ESL information, default loan counseling, transfer information and post-secondary placement. RIEOC serves more than 3,000 individuals each year, has offices on all four campuses, and maintains a presence in community-based organizations statewide. For more information, visit the EOC’s website or contact 401-455-6028.

CAMPUS POLICE
Professionally-trained Campus Police are on staff at each campus. Also, in accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, campus crime statistical information is available on each campus in the Campus Police office and on the CCRI website.
Community College of Rhode Island

Officers are also available to escort students on campus, should they feel unsafe or uneasy. Your safety is paramount to everyone at CCRI.

If you have an emergency on campus, don’t hesitate to contact CCRI Campus Police at x2000 from any campus (825-2000). You may also dial 911. For non-emergencies, you can call 401-333-7035 at the Flanagan Campus in Lincoln, 401-455-6050 at the Liston Campus in Providence, 401-851-1620 at the Newport County Campus, or 401-825-2109 at the Knight Campus in Warwick. Campus Police are available 24 hours a day, seven days a week at 825-2109 and x2000 (Emergencies).

Find out more about campus policies, fire safety, emergency procedures and incident reporting on the Campus Police website.

VETSUCCESS ON CAMPUS

VetSuccess on Campus is offered at CCRI through the Veterans Benefits Administration and places an experienced vocational counselor on campus who serves as a “one-stop liaison” for student veterans, helping them understand their VA education benefits and access resources on campus and at the VA. Rhode Island was one of the original seven states to have an on-campus counselor from the VA, and the program has now expanded across the country.

Micaela Black is the VetSuccess on Campus representative for Rhode Island and has offices on the Liston and Knight campuses. Veterans can contact her at micaela.black@va.gov or 401-612-3470.

Student Clubs and Organizations

For the most up-to-date listings, visit the Student Groups website.
Division of Workforce Partnerships

The Division of Workforce Partnerships builds strategic partnerships with industry leaders and works collaboratively to deliver programming for students to secure employment now and continue their education and growth into high-wage careers. Workforce programs include Workforce Partnerships, Career Services, Adult Education, and Transportation Education. Grant-funded programs enable qualified participants to receive skill training, develop foundational academic skills, or gain workforce training. Courses are taught on each campus, online, or at worksites throughout RI.

**Workforce Programs** provides academic courses and customized training courses for employers throughout the state. Students can take pre-employment classes in healthcare, manufacturing, technology, Microsoft Office, trades, apprenticeship training, and more. Many programs are designed in response to the needs of the RI community to educate, train, and certify individuals for success in the 21st century economy. To speak with staff, please call 401-825-1214.

**Adult Education** provides adult learners opportunities to gain foundation skills through GED preparation and testing and English as a second language (ESL) courses. There are multiple levels of both GED and ESL classes to meet a range of educational needs. Staff also helps students transition from ESL and GED classes to credit-bearing or certification courses. To speak with staff, please call 401-825-1214.

**Career Services** provides support at every stage of a student’s education. Career advisors assist students with a variety of career concerns from making a career choice, matching majors to occupations and devising a career action plan to reach one’s educational or occupational goal. Assistance is provided to students seeking internship opportunities, job search help, résumé review, interview preparation and on-campus and off-campus employment. Students are encouraged to meet with a Career Services advisor or placement officer early and often. To speak with staff, please email careerservices@ccri.edu or call 401-825-2322.

**Transportation Education** provides Driver’s Education, Motorcycle Rider Education, CDL, driver retraining programs, and school bus driver training to participants. To speak with staff, please call 401-825-1214.

For more information, please visit the [Division of Workforce Partnerships website](https://www.ccri.edu/division-of-workforce-partnerships).
Institutional Advancement

- Office of Institutional Advancement
- Mission
- CCRI Foundation
- Alumni Association
- Grants

Office of Institutional Advancement

MISSION
The Office of Institutional Advancement (OIA) leads the philanthropic efforts of the Community College of Rhode Island (CCRI). Working collaboratively with the CCRI Foundation and the CCRI Alumni Association, OIA responsibly promotes philanthropy to maximize the resources raised to support students in service of CCRI’s mission and institutional priorities through a donor-centered, comprehensive, sustainable plan. Our work reflects the high standards and ethics adopted by the Council for the Advancement and Support of Education (CASE), Association of Fundraising Professionals (AFP), and Uniform Prudent Management of Institutional Funds Act (UPMIFA), and is accomplished by creating relationships with our internal and external constituencies, fostering a spirit of engagement, mutual support and integrity.

CCRI FOUNDATION
The Community College of Rhode Island Foundation was established in January 1979 as an independent, nonprofit organization to encourage and provide support from private sources for CCRI and its students. Funds are used for student scholarships, book awards, emergency funding, strategic programs, and the college’s professional development initiatives, capital improvements and the purchase of educational equipment. For more information, visit the CCRI Foundation website.

ALUMNI ASSOCIATION
The CCRI Alumni Association works with the CCRI Foundation to raise funds for the college, sponsor alumni engagement events for graduates and friends, and present annual scholarships, book awards, and emergency funding for students. Alumni Association membership is open to all graduates of the college. Since 1964, CCRI has graduated more than 70,000 students. For more information, visit the Alumni website.

GRANTS
Our goal is to support faculty and staff in seeking, obtaining and administering grant-funded programs that uphold the mission of the College. The Office of Institutional Advancement assists faculty and staff through the initial process of notifying college administration of interest in obtaining external funding, developing an idea, coordinating funding opportunities, seeking external funding resources and assisting the program director once the project is funded. For more information, visit the Office of Institutional Advancement's website.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Degrees and Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbatte, Maureen</td>
<td>Professor, English</td>
<td>English</td>
<td>BA, MAT, Rhode Island College</td>
</tr>
<tr>
<td>Adam, Mazin</td>
<td>Associate Professor, Art</td>
<td>Art</td>
<td>BFA, Northern Michigan University; MFA, Rochester Inst Tech</td>
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<tr>
<td>Alizadeh, Hossein</td>
<td>Assistant Professor, Physics</td>
<td>Engineering</td>
<td>MA, PHD, Boston University; BS, Mohaghegh Ardabili</td>
</tr>
<tr>
<td>Allen, Karen</td>
<td>Assistant Professor, Computer</td>
<td>Studies</td>
<td>BA, MA, Univ Rhode Island</td>
</tr>
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<td>Amante y Zapata, Joseph</td>
<td>Professor, Performing Arts</td>
<td>Music</td>
<td>MA, New England Conservatory Music; BA, Point Loma Nazarene University; PHD, Univ Southern California</td>
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<tr>
<td>Amantea, Cheryl</td>
<td>Assistant Professor, Busn &amp;</td>
<td>Professional Studies</td>
<td>BS, Johnson &amp; Wales University; MBA, Providence College</td>
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<tr>
<td>Amarial, Lilia</td>
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<td>MSN, St Xavier University; BSN, Univ Rhode Island</td>
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<tr>
<td>Amato-Vealey, Elaine</td>
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<td>Purchasing</td>
<td>MS, Boston University; AS, Community C Rhode Island; BS, Rhode Island College; PHD, Univ Rhode Island</td>
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<td>Amore, Anthony</td>
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<td>MA, Rhode Island College; MA, Univ Rhode Island</td>
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<td>Anderson, Renee</td>
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<td>Andreozzi-Fontaine, Lynne</td>
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<td>Biology</td>
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<td>Angell, Robert</td>
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<td>Anish, Beth</td>
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<td>English</td>
<td>BA, MA, Boston College; MA, Fitchburg St College; PHD, Univ Rhode Island</td>
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<td>Ankrom, Raymond</td>
<td>Technical Professor I, Physics</td>
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<td>AAS, Community C Rhode Island; BS, Rhode Island College</td>
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<td>Apshaga, Susan</td>
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<td>Business</td>
<td>BA, MA, Univ Rhode Island</td>
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<td>Archambault, Richard</td>
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<tr>
<td>Arendt, Elizabeth</td>
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<td>Business</td>
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<td>Arsenault, Joseph</td>
<td>Assistant Professor, Emergency</td>
<td>Management Admin</td>
<td>MS, Jacksonville St University; AAS, New England Institute Tech RI; BS, Roger Williams University</td>
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<td>Ashworth, Donna</td>
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<td>BS, MS, Univ Rhode Island</td>
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<td>Austin, James</td>
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<td>Business</td>
<td>BFA, Rhode Island College; MLS, Univ Rhode Island</td>
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<tr>
<td>Banna, Cynthia</td>
<td>Assistant Professor, Allied</td>
<td>Health/Phlebotomy</td>
<td>AAS, Community C Rhode Island; MED, Providence College; BA, Rhode Island College</td>
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<td>Basilico, Anthony</td>
<td>Professor, Computer Studies</td>
<td>Business</td>
<td>BS, MA, MBA, Univ Rhode Island</td>
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<td>Beauchene, Kathleen</td>
<td>Professor, English</td>
<td>Business</td>
<td>BA, MA, Rhode Island College</td>
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<td>Benson, Jon</td>
<td>Assistant Professor, Biology</td>
<td>Business</td>
<td>BS, MS, Univ Rhode Island</td>
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<tr>
<td>Berard, Marcel</td>
<td>Professor, Busn &amp; Professional</td>
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<td>MBA, Anna Maria College; BS, Roger Williams University</td>
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<tr>
<td>Bettencourt, Frances</td>
<td>Assistant Professor, Nursing-LPN</td>
<td>College</td>
<td>BSN, MAE, Rhode Island College; MN, Univ Rhode Island</td>
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<tr>
<td>Billerbeck, Jean</td>
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<td>Business</td>
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<tr>
<td>Blessing, Kathy</td>
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<td>MA, Providence College; BA, Rhode Island College; MLS, Univ Rhode Island</td>
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<tr>
<td>Bower, Gary</td>
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<td>BS, Bryant University; MS, Univ Rhode Island</td>
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<td>Bradley, Barbara</td>
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<td>Brewer, Cassandra</td>
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<td>College</td>
<td>BA, MA, MS, Univ Rhode Island</td>
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<tr>
<td>Britton, Brendan</td>
<td>Associate Professor, Physics</td>
<td>Engineering</td>
<td>MA, Boston University; BS, Univ Arizona</td>
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<td>Brooks, Chris</td>
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<td>Business</td>
<td>BA, Univ Calif Los Angeles; MA, Westrn Kentucky University</td>
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<tr>
<td>Brown, Susan</td>
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<tr>
<td>Bull, Michelle</td>
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<tr>
<td>Burdon, Michael</td>
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<td>Burke, Margaret</td>
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<td>SCM, Brown University; BS, Univ Mass Dartmouth</td>
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</tbody>
</table>
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MBA, Harvard University
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Department</th>
<th>Education and Experience</th>
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<tr>
<td>Erinakes, Gail</td>
<td>Senior Financial Aid Officer, Financial Aid</td>
<td></td>
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<tr>
<td>Erkeskin, Suzan</td>
<td>Staff Assistant II, Pres Of-Goldman Sachs Fd 10KSB</td>
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<tr>
<td>Fagnant, Karen</td>
<td>Billing Specialist, Accounts Payable</td>
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<tr>
<td>Fallon, Pauline</td>
<td>Accommodations Asst - DSS, Disability Services</td>
<td>BS, BS, MS, Univ Rhode Island</td>
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<tr>
<td>Fanning, Daniel</td>
<td>Campus Police Officer, College Police</td>
<td>AS, Roger Williams University</td>
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<td>Fargnoli, Bonnie</td>
<td>Enrollment Serv Representative, Enrollment Services</td>
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<tr>
<td>Faria, Aida</td>
<td>Adjunct Faculty, Allied Health</td>
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<tr>
<td>Farnum, Carolyn</td>
<td>WP Instructor, Wrkfc Part/Workforce Dev</td>
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<td>Farrar, Jacqueline</td>
<td>Examiner, Wrkfc Part/Transportation Ed</td>
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<td>Farrell, Michelle</td>
<td>Records Analyst, Enrollment Services</td>
<td>AS, Community C Rhode Island; BS, Southern NH University</td>
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<td>Farrell, Shannon</td>
<td>Clerical ltd, Enrollment Services</td>
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<tr>
<td>Fattore, Mimi</td>
<td>Counselor Student Development, Advising &amp; Counseling</td>
<td>BA, Providence College; MA, MAT, Rhode Island College</td>
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<td>Fayanjuola, Akintola</td>
<td>Admissions Officer, Admissions</td>
<td>BSBA, Univ Rhode Island</td>
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<tr>
<td>Feather, Thomas</td>
<td>Asst Administrator Bookstore, Bookstore</td>
<td>AA, Community C Rhode Island; BA, Rhode Island College</td>
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<tr>
<td>Ferguson, Linda</td>
<td>Higher Educ Pay Preaudit Clerk, Payroll</td>
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<td>Ferland, William</td>
<td>Director Operations (IS), Information Technology</td>
<td>BA, MBA, Univ Rhode Island</td>
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<tr>
<td>Fermin, Justina</td>
<td>Coordinator/Counselor, EOC</td>
<td>BA, Univ Rhode Island</td>
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<tr>
<td>Fernandes, Marilia</td>
<td>DWI Counselor, Wrkfc Part/Transportation Ed</td>
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<td>Ferragamo, Bert</td>
<td>Plumbing Instructor, Workforce Partnerships</td>
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<td>Ferrara, Glenn</td>
<td>Bookstore Manager, Bookstore</td>
<td>BA, Univ Rhode Island</td>
</tr>
<tr>
<td>Ferrato, Paula</td>
<td>Counselor/Advisor, Advising &amp; Counseling</td>
<td>MBA, Notre Dame University; BA, Washington And Jefferson Coll</td>
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<tr>
<td>Ferris, Jeremy</td>
<td>Librarian, Library</td>
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<tr>
<td>Ferris, Monica</td>
<td>Counselor/Advisor, Advising &amp; Counseling</td>
<td>BGS, Northern Arizona University; MA, Univ Saint Thomas Mn</td>
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<tr>
<td>Finegan, John</td>
<td>Campus Police Officer, College Police</td>
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<tr>
<td>Finnegan, Kathleen</td>
<td>Lab Monitor, Information Technology</td>
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<td>Fino, Cody</td>
<td>Director Ind Partnership, Wrkfc Part/Workforce Dev</td>
<td>AA, Community C Rhode Island; BA, Providence College</td>
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<tr>
<td>Fiocco, Bianca</td>
<td>Program Coordinator - DSS, Disability Services</td>
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<td>Fiore, Ralph</td>
<td>Event Supervisor, Athletics</td>
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<tr>
<td>Firth, Robert</td>
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</tr>
<tr>
<td>Fischbach, David</td>
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<tr>
<td>Fish, David</td>
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<tr>
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</tr>
</tbody>
</table>

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EB Teacher Assistant, Workforce Partnership

Shields, John
Campus Police Officer, College Police
BS, Bryant University; AS, Community C Rhode Island; MAT, Johnson & Wales University

Shukhtari, Donna
Clerical, Enrollment Services

2020-2021 | CCRI Catalog
Sidney, Gail
Coordinator/Counselor, Access to Opportunity
BA, Clark University; MA, New York University

Siedliski, Sharon
Asst Director Career Couns, Wrkfc Part/Career Services
BS, Rutgers U Rutgers College*; MS, Univ Rhode Island

Silva, Barbara
Clinical Site Instructor/Supv, Allied Health/Respiratory Ther

Silva, Brandy
Costume Shop Technician, Performing Arts

Silva, Cezar
AV Assistant, Information Technology

Silva-Viera, Rayna
Technical Staff Assistant, Allied Health/Med Lab Tech
MS, Clemson University; BA, Rhode Island College

Silverman, Steven
Tutor, Access to Opportunity

Simas, Joseph
EMT Trainer, Fire Science

Simas, Maryellen
Simulation Technician, Simulation Lab
MPH, MS, Mass Coll Pharm Allied Hlt Sci; BS, Univ Rhode Island

Simko, Ryan
EMT Trainer, Fire Science

Simon, Jennifer
Human Resources Technician, Human Resources
AS, Community C Rhode Island

Simon, Stephanie
Lead Programmer Analyst, Information Technology
BA, BA, Univ Rhode Island

Simpanen, Mark
Campus Police Officer, College Police

Sinclair, Kristen
Bookstore Clerk, Bookstore

Simman, Patricia
Librarian, Library
BA, MLS, Univ Rhode Island

Skouras, Thomas
Coordinator, Student Success Center
EDD, Johnson & Wales University; MA, Rhode Island College; BS, Univ Texas Austin*

Smith, Cheryl
Event Supervisor, Physical Education

Smith, Dolores
WP Instructor, Workforce Partnerships

Smith, Noah
AV Assistant, Information Technology

Smith, Randy
WP Instructor, Workforce Partnerships

Smith, Stephen
WP Instructor, Workforce Partnerships
BA, Gordon College Ma

Snow, David
Assoc Director Physical Plant, Physical Plant

Souza, Anna
AST Instructor, Wrkfc Part/Workforce Dev

Souza, Karen
Information Services Tech I, Dental Health/Hygiene

Souza, Lynda
Information Services Tech II, Physical Plant

Spano, Nicolas
Supplemental Instructor, Access to Opportunity

Spicer, Justin
EB Instructor, Workforce Partnerships

Spirito, Toni
Coordinator Rehab Health, Rehab Health/Physical Therapy
AAS, Community C Rhode Island

Spriggs, Amir
Clerical, Wrkfc Part/Transportation Ed

Spruill, Cynthia
Coordinator/Counselor, Access to Opportunity
BA, MS, Univ Rhode Island

St. Clair, Shelby
Conduct & Civility Asst, Dean of Students Office

St.Amand, Amy
WP Instructor, Wrkfc Part/Workforce Dev

Staples, Paula
Director Advising & Counseling, Advising & Counseling
MA, Rhode Island College; BA, Univ Rhode Island

Stedman, Jennifer
Tutor, Access to Opportunity

Steere, Gail
Event Supervisor, Athletics

Stonehouse, Annamarie
Bookstore Clerk, Bookstore

Stripling, Dana
Phar Tech Teaching Asst, Workforce Partnerships

Stulpin, Cynthia
Assistant Coordinator, Student Success Center
MS, Trinity College Ct; BA, BS, Univ Hartford

Sugalski, Alex
Information Services Tech II, Rehabilitative Health
AA, Community C Rhode Island

Suwityarat, Timothy
IT Support, Information Technology

Sweberg, Mark
Librarian, Library

Sweet, Ann
Senior Teller, Bursar's Office

Szwecz, Christina
Information Services Tech II, Library
BS, Roger Williams University

Sylva, Marcia
Coordinator Bilingual, REACH Program
MED, Rhode Island College; BS, State Univ of Rio de Janeiro

T

Talbot, William
Director TRIO ETS, ETS
BS, MBA, Univ Mass Dartmouth

Tasca, Maryann
Proctor, Workforce Partnerships

Taskin, Allison
CNA Instructor, Workforce Partnerships

Taveras, Juan
Assistant Coordinator EOC, EOC
MA, Coll St Rose; BA, Univ Rhode Island

Taylor, Lux
DW1 Counselor, Wrkfc Part/Transportation Ed

Taylor, Stacie
EMT Trainer, Fire Science

Teixeira, Sean
IT Consultant, Ofc of Opportunity & Outreach
AS, Community C Rhode Island

Terilli, Bernadine
Staff Assistant II, Physical Plant

Terry, Nancy
STEM Plus FY20, Enrollment Services
Testoni, Pamela
Clerical, Enrollment Services

Thacker, Lallune
Higher Educ Pay Preaudit Clerk, Payroll
AS, Community C Rhode Island; BA, BS, Rhode Island College

Thatcher, Lucille
Housekeeper, Physical Plant

Thayer, Matthew
WP Instructor, Workforce Partnerships

Thomson, James
Coordinator, Wrkfc Part/Workforce Dev
BA, Univ Mass Amherst*

Thorner, Lee
Maintenance Technician, Physical Plant
AA, Univ Phoenix

Timberman, Zachary
Programmer Analyst, Information Technology
BA, Florida State University

Tirocchi, Krista
Clerical, Enrollment Services

Tolbert, Nadia
Clerical, Student Success Center

Toler, James
Campus Police Officer, College Police
AS, Roger Williams University

Tomasino, Jude
Assoc Director Records/Trans, Enrollment Services
MED, Cambridge College; MA, Framingham State College; BSBA, Nichols College; CAGS, Rhode Island College

Torres, Barbara
WP Instructor, Wrkfc Part/Workforce Dev

Torres, Jose
Housekeeper, Physical Plant

Torres, Marlex
Enrollment Serv Representative, Financial Aid
MBA, Johnson & Wales University; BS, Univ Puerto Rico Carolina

Tronni, Carl
Advisor, Athletics

Truman, Erin
CNA Instructor, Wrkfc Part/Workforce Dev

Tsonos, Ana
Site Supervisor, Wrkfc Part/Workforce Dev

Tunca-Akay, Melten
Lab Assistant, Information Technology

Turchetti, John
EMT Trainer, Fire Science

Turco, Kevin
EMT Trainer, Fire Science

Turcotte, Susan
Assistant Controller, Bursar's Office
BSBA, Bryant University; AS, Community C Rhode Island

Turner, Gregory
Semi-Skilled Laborer, Physical Plant

Twining, Kathleen
Academic Counselor, Advising & Counseling
AA, Community C Rhode Island; BA, Rhode Island College; MS, Univ Rhode Island

Urbaez, Rafael
DWI Counselor, Workforce Partnerships

Urizar, Yenifer
Coordinator/Counselor, ETS

Vaccia, Andrea
Enrollment Serv Representative, Enrollment Services
BS, Univ Rhode Island

Valen, Darren
IT Support, Information Technology

Valente, Billie Jane
Counselor Student Development, Advising & Counseling
MA, Fairfield University; BS, Univ Southern Maine

Vargas, Carmen
Senior Word Processing Typist, Chemistry

Vessella, Anthony
Building Systems Technician, Physical Plant
AS, New England Institute Tech RI

Vicente, Sharyn
Information Services Tech II, Psychology
BA, Rhode Island College

Vigorito, Janet
Enrollment Serv Representative, Enrollment Services

Villanueva, Lolita
Information Services Tech II, Social Sciences
AS, Community C Rhode Island

Vincent, Linda
Senior Information Tech, Information Technology
AA, Community C Rhode Island

Vota, John
Senior Information Tech, Information Technology
AS, BS, New England Institute Tech RI

Waldron, Phillip
Tutor, Access to Opportunity

Walker, Joan
Clerical, Rehabilitative Health

Walker, Michelle
Enrollment Serv Representative, Enrollment Services

Walker, Ron
Interim Lead Programmer, Information Technology
AA, Community C Rhode Island

Ward, Kim
Technical Staff Assistant, Biology

Ward, Melissa
CNA Instructor, Workforce Partnerships

Ward, Suzette
Director Enterprise Services, Information Technology
BA, Salve Regina University

Warner, Heidi
Coordinator Nursing Labs, Nursing-ADN
AS, Community C Rhode Island; BA, Rhode Island College

Warrington, Kimberly
Coach, Athletics

Watson, Deborah
Assoc Director Enrollment Serv, Admissions
BS, Florida State University; MA.ED, Univ Rhode Island

Webb, Angela
Supplemental Instructor, Rehab Health/Physical Therapy

Webb, Lauren
Administrator (interim), VP for Academic Affairs Office
BA, Drew University; MA, PHD, Northeastn University

Weber, William
Tutor, Student Success Center

Weiss, Christopher
Chief Accountant, Bookstore
AS, BS, Johnson & Wales University

Wells, Shanna
Coordinator Comm & Social Res, Ofc of Opportunity & Outreach
BA, Lyndon State College; MED, Temple University
Wesiah, Deborah  
DWI Counselor, Wrkfc Part/Transportation Ed

White, Deloise  
Interim Coord Facility Use, Physical Plant  
AS, Community C Rhode Island

White, Paul  
Campus Police Officer, College Police

Wilcox, Glenn  
WP Instructor, Wrkfc Part/Workforce Dev

Wiley, Beverly  
Compliance Officer, Athletics  
BA, Northfield University

Wilkerson, Victoria  
Event Supervisor, Athletics

Wilkins, Tira  
Lab Monitor, Information Technology

Williams, Joshua  
Research Analyst, Institutional Effectiveness  
BS, Univ North Texas

Williams, Leslie  
Examiner, Wrkfc Part/Transportation Ed

Williams, Tatianna  
Campus Coordinator, Student Success Center  
BA, Bryant University;  
MA, Rhode Island College

Wills, Kira  
Clerical ltd, Enrollment Services

Wisniewski, Matthew  
Technical Staff Assistant, Physics and Engineering  
BS, MS, Colorado School Mines;  
AA, Quinsigamond Cmty College

Wood, Karina  
Executive Director, Pres Of-Goldman Sachs Fd 10KSB  
MA, Clark University;  
BA, University of Sheffield

Y

Yanku, Gail  
Information Services Tech II, English

Yount, Rebecca  
Assoc Dean Stud Life & Srv Learn, Dean of Students Office  
EDD, Boston University;  
BS, MA, West Virginia Univ Morgantown

Z

Zecher, Julie  
Librarian, Library

Zervas, Amy  
Assistant Coordinator, Student Success Center

Zhu, Li  
Coordinator Non-Credit Prog, Wrkfc Part/Workforce Dev  
MS, Johnson & Wales University;  
EDM, Rhode Island College

Ziegelmayer, Kevin  
Campus Police Lieutenant, College Police  
MS, Boston University;  
AA, Community C Rhode Island;  
BS, Kaplan University

Zielinski, Deborah  
Assistant to the President, President's Office  
AS, Johnson & Wales University

Zinn, Sherry  
Tech Support Specialist II, Information Technology  
BIS, PSM, Univ Rhode Island;  
AS, York College Pa

Zoglio, Jeffrey  
EB Teacher Assistant, Workforce Partnerships

Zuchowski, Lila  
EMT Trainer, Fire Science
Programs of Study

Degrees and Certificates

**BIOTECHNOLOGY**

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<th>CAMPUS</th>
<th>DAY</th>
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**BUSINESS ADMINISTRATION**

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<tr>
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<td>ACCT</td>
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<td>Accounting Certificate</td>
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<td>Certificate</td>
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<tr>
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<td>ETRC</td>
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<tr>
<td>Financial Services</td>
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<td>General Business</td>
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<td>Management</td>
<td>MNGT</td>
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<tr>
<td>Marketing</td>
<td>MARK</td>
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**CHEMISTRY**

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<tr>
<td>Chemical Technology</td>
<td>CHMT</td>
<td>A.A.S.</td>
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<td>Chemical Technology Certificate</td>
<td>CHMC</td>
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**COMMUNICATION and FILM/MEDIA**

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<tr>
<td>Communication</td>
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<td>Film/Media</td>
<td>COMF</td>
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<tr>
<td>New Media Production Certificate</td>
<td>NMPR</td>
<td>Certificate</td>
<td>KN</td>
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<td>New Media Post Production Certificate</td>
<td>NMPP</td>
<td>Certificate</td>
<td>KN</td>
<td>+</td>
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<tr>
<td>New Media Media Studies Certificate</td>
<td>NMST</td>
<td>Certificate</td>
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<tr>
<td>New Media Media Communication Certificate</td>
<td>NMCM</td>
<td>Certificate</td>
<td>KN FL</td>
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**COMPUTER STUDIES and INFORMATION PROCESSING**

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<tr>
<td>Computer Programming</td>
<td>CPRD</td>
<td>A.S.</td>
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<tr>
<td>Computer Programming Certificate</td>
<td>CPCT</td>
<td>Certificate</td>
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<tr>
<td>Computer Support Technician Certificate (Revisions Pending)</td>
<td></td>
<td>Certificate</td>
<td>KN</td>
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<tr>
<td>Computer and Networking Technology</td>
<td>CNTD</td>
<td>A.A.S.</td>
<td>KN</td>
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<tr>
<td>Computer Networking Technology</td>
<td>CNTO</td>
<td>A.A.S.</td>
<td>KN</td>
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<tr>
<td>Networking Technician Certificate</td>
<td>NWTC</td>
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<tr>
<td>Advanced Networking Technician Certificate</td>
<td>NWAC</td>
<td>Certificate</td>
<td>KN</td>
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<tr>
<td>Cybersecurity</td>
<td>CYBR</td>
<td>A.S.</td>
<td>PV KN FL NE</td>
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<tr>
<td>General Information Processing</td>
<td>CMDG</td>
<td>A.S.</td>
<td>KN</td>
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<tr>
<td>General Information Processing Certificate</td>
<td>CMGC</td>
<td>Certificate</td>
<td>KN</td>
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<tr>
<td>Computer Support Specialist Concentration (Revisions Pending)</td>
<td></td>
<td>A.S.</td>
<td>KN</td>
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<tr>
<td>Networking</td>
<td>CMND</td>
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<td>KN</td>
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<tr>
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<tr>
<td>Networking Certificate</td>
<td>CMNC</td>
<td>Certificate</td>
<td>KN</td>
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<tr>
<td>Office Automation Certificate</td>
<td>OFFA</td>
<td>Certificate</td>
<td>KN</td>
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<tr>
<td>Web Technologies</td>
<td>CWTD</td>
<td>A.S.</td>
<td>KN</td>
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<tr>
<td>Web Technologies Certificate</td>
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**FILM/MEDIA**

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<tr>
<th>PROGRAMS</th>
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<tr>
<td>Film/Media</td>
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<td>PV KN FL NE</td>
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<tr>
<td>New Media Production Certificate</td>
<td>NMPR</td>
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<tr>
<td>New Media Post Production Certificate</td>
<td>NMPP</td>
<td>Certificate</td>
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**FINE ARTS**

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<th>PROGRAMS</th>
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<tbody>
<tr>
<td>Art</td>
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<td>A.F.A.</td>
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<tr>
<td>Theatre - Performance Concentration</td>
<td>DRAM</td>
<td>A.F.A.</td>
<td>KN FL</td>
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</tr>
<tr>
<td>Theatre - Technical Concentration</td>
<td>TDRA</td>
<td>A.F.A.</td>
<td>KN FL</td>
<td>+</td>
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<tr>
<td>Music - Jazz Studies Concentration</td>
<td>JAZZ</td>
<td>A.F.A.</td>
<td>KN</td>
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<tr>
<td>Music - Music Concentration</td>
<td>MUSC</td>
<td>A.F.A.</td>
<td>KN</td>
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**GENERAL STUDIES**

<table>
<thead>
<tr>
<th>PROGRAMS</th>
<th>CODE</th>
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<th>EVENING</th>
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<tr>
<td>General Studies</td>
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<td>PV KN FL NE</td>
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**HEALTH SCIENCES**

**ALLIED HEALTH PROGRAMS**

<table>
<thead>
<tr>
<th>PROGRAMS</th>
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<th>CAMPUS</th>
<th>DAY</th>
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<tr>
<td>Computed Tomography Imaging</td>
<td>CTIC</td>
<td>Certificate</td>
<td>FL HY</td>
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<tr>
<td>Diagnostic Medical Sonography</td>
<td>DMSD</td>
<td>A.A.S.</td>
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<td>Program</td>
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<tr>
<td>Histotechnician</td>
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<td>Magnetic Resonance Imaging Certificate</td>
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<td>Medical Laboratory Technology</td>
<td>CLAB</td>
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<td>Phlebotomy Certificate</td>
<td>PHLE</td>
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<td>Radiography (X-ray)</td>
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<td>Renal Dialysis Technology Certificate</td>
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<td>Respiratory Therapy</td>
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### Dental Health Programs

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</table>

### Emergency/Disaster Management

<table>
<thead>
<tr>
<th>Program</th>
<th>Code</th>
<th>Degree</th>
<th>Campus</th>
<th>Day</th>
<th>Evening</th>
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<tbody>
<tr>
<td>Emergency Management/ Homeland Security</td>
<td>EMGD</td>
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<tr>
<td>Emergency/Disaster Management Certificate</td>
<td>EMER</td>
<td>Certificate</td>
<td>KN FL PV NE</td>
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<tr>
<td>Fire Science/ Emergency Medical Technician</td>
<td>FIRE</td>
<td>A.A.S.</td>
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### Nursing Programs

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<th>Evening</th>
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<tbody>
<tr>
<td>Health Care Interpreter</td>
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<td>Certificate</td>
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<tr>
<td>Nursing</td>
<td>NURS</td>
<td>A.S.</td>
<td>KN PV FL NE</td>
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<td>Practical Nursing</td>
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<td>Diploma</td>
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### REHABILITATIVE HEALTH PROGRAMS

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<th>CAMPUS</th>
<th>DAY</th>
<th>EVENING</th>
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<tbody>
<tr>
<td>Occupational Therapy Assistant</td>
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<td>DL/NE</td>
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<td>NE</td>
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<td>Therapeutic Massage</td>
<td>TMSG</td>
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<tr>
<td>Therapeutic Massage Certificate</td>
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### HUMAN SERVICES

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<th>CODE</th>
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<th>CAMPUS</th>
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<th>EVENING</th>
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<tbody>
<tr>
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<td>Education/Special Education</td>
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<td>GERN</td>
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<tr>
<td>Social Service Majors:</td>
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<td>A.A.</td>
<td>KN FL</td>
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<tr>
<td>Mental Health</td>
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<td>Substance Abuse</td>
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<td>Social Services Certificate</td>
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### LEGAL STUDIES

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<td>Paralegal Studies</td>
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### LIBERAL ARTS

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<td>CAMPUS</td>
<td>DAY</td>
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<td>Advanced Manufacturing Machining Certificate</td>
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<td>Manufacturing Automation and Quality Certificate</td>
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<td>CNC Manufacturing and 3D-Modeling Certificate</td>
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<td>Introduction to CNC Manufacturing Certificate</td>
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<td>Certificate</td>
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<td>Energy Utility Technology Certificate</td>
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<td>DAY</td>
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<td>Chem-Biology Concentration</td>
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<td>Civil Concentration</td>
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<tr>
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<td>Mechanical Concentration</td>
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<td>KN</td>
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<tr>
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<td>ENOC</td>
<td>A.S.</td>
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**PROFESSIONAL STUDIES**

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<thead>
<tr>
<th>PROGRAMS</th>
<th>CODE</th>
<th>DEGREE</th>
<th>CAMPUS</th>
<th>DAY</th>
<th>EVENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Assistant/Secretary</td>
<td>ADAD</td>
<td>A.S.</td>
<td>KN FL</td>
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<td>+</td>
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<tr>
<td>Legal Administrative Assistant/Secretary</td>
<td>LGAD</td>
<td>A.S.</td>
<td>KN FL</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Medical Administrative Assistant/Secretary</td>
<td>MDAD</td>
<td>A.S.</td>
<td>KN</td>
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<tr>
<td>Medical Insurance Billing Specialist Certificate</td>
<td>MIBC</td>
<td>Certificate</td>
<td>KN</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Travel, Tourism and Hospitality Certificate</td>
<td>TRVL</td>
<td>Certificate</td>
<td>KN, FL</td>
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**SCIENCE**

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<th>CAMPUS</th>
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**TECHNICAL STUDIES**

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<th>DEGREE</th>
<th>CAMPUS</th>
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</thead>
<tbody>
<tr>
<td>Technical Studies Examples</td>
<td>TECH</td>
<td>A.A.S. - T.S.</td>
<td>KN FL</td>
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</table>

This list is accurate as of April 2020. The most updated information can be found at [www.ccri.edu/programs/](http://www.ccri.edu/programs/).

Additional workforce training programs are offered by the Division of Workforce Partnerships.
Community College of Rhode Island

Post Associate Certificate
This is offered to any student who successfully completes 30 credits beyond the associate degree. Courses may be taken from any discipline but must be taken at CCRI after completion of an associate degree. A minimum of a 2.0 GPA is required.
Professional Studies

PROGRAMS

- Associate Degree Program Concentrations
  - Administrative Assistant/Secretary (ADAD)
  - Legal Administrative Assistant/Secretary (LGAD)
  - Medical Administrative Assistant/Secretary (MDAD)

- Certificate Program Concentrations
  - Medical Insurance Billing Specialist Concentration (MIBC)
  - Travel, Tourism and Hospitality Concentration (TRVL)

The Professional Studies programs are designed to emphasize a variety of computer tasks created by new technologies as well as traditional office responsibilities. With the shift of work responsibility away from middle management, the role of the office professional has become critical. All organizations need timely and effective office and administrative support to operate efficiently.

The International Association of Administrative Professionals defines administrative professionals as “individuals who are responsible for administrative tasks and the coordination of information in support of an office-related environment and who are dedicated to furthering their personal and professional growth in their chosen profession.”

Administrative Assistant/Secretary Concentration (ADAD)

Associate in Science Degree in Professional Studies (AS_ADOT)

This program is available full time or part time, days or evenings.

The Administrative Assistant/Secretary concentration prepares students for careers such as executive assistant, office manager and senior word processor. Students who successfully complete the program have a background in Microsoft Office applications, administrative office management and advanced transcription. Career opportunities for the graduates of this program are expected to remain constant.

The program trains students to perform a variety of tasks encountered by the administrative assistant involving decision-making, accepting responsibility and managing an office. In their last semester, students are given the opportunity to work in the office of a local business.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
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<tr>
<td>ENGL 1400</td>
<td>Business Writing for Office Professionals</td>
<td></td>
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<tr>
<td>MATH 1005</td>
<td>Business Mathematics</td>
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<tr>
<td>MATH 1015</td>
<td>Mathematics of Finance</td>
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<td>3</td>
</tr>
<tr>
<td>PSYC 1030</td>
<td>Psychology of Personal Adjustment</td>
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<tr>
<td>Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
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<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
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Total General Education Requirements Credits 21
## Major Requirements

<table>
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<th>COURSE NOTES</th>
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<tr>
<td>OFTD 1120</td>
<td>Microcomputer Keyboarding</td>
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<tr>
<td>OFTD 1130</td>
<td>Editing Skills for Office Communications I</td>
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<tr>
<td>OFTD 1140</td>
<td>Office Technology &amp; Procedures I</td>
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<td>OFTD 1170</td>
<td>Office Transcription I</td>
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<td>OFTD 1180</td>
<td>Speech Recognition Software Applications I</td>
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<td>OFTD 1190</td>
<td>Speech Recognition Software Applications II</td>
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<td>ADAS 2520</td>
<td>Office Transcription II</td>
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<td>ADAS 2530</td>
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<td>ADAS 2570</td>
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Total Major Requirements Credits 41

Total Program Credits 62
Legal Administrative Assistant/Secretary Concentration (LGAD)

Associate in Science Degree in Administrative Office Technology (AS_ADOT)

Flanagan Campus, Lincoln
Knight Campus, Warwick
This program is available full time or part time, days or evenings.

The Legal Administrative Assistant/Secretary concentration prepares students for careers such as legal secretary, legal transcriptionist and legal office assistants who work in a variety of office settings including law offices, legal departments and insurance companies. Career opportunities for the graduates of this program are expected to remain constant.

Students who successfully complete this program demonstrate the ability to understand basic legal terminology, the elements of legal style and the use of standard clauses within legal documents and forms. Students develop high-level skills in managing a law office and in the production of accurate legal documents. In their last semester, students are given the opportunity to work in a local legal office.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
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<tr>
<td>ENGL 1400</td>
<td>Business Writing for Office</td>
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<td>Professionals</td>
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<tr>
<td>MATH 1005</td>
<td>Business Mathematics</td>
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<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
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<tr>
<td>COMM 1100</td>
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Total General Education Requirements Credits 24
## Major Requirements

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<tr>
<td>OFTD 1105</td>
<td>Essential Note Taking Skills</td>
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<tr>
<td>OFTD 1120</td>
<td>Microcomputer Keyboarding</td>
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<td>Editing Skills for Office Communications I</td>
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<td>OFTD 1140</td>
<td>Office Technology &amp; Procedures I</td>
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<td>3</td>
</tr>
<tr>
<td>OFTD 1170</td>
<td>Office Transcription I</td>
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<tr>
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<td>Speech Recognition Software Applications II</td>
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<td>Microsoft Office Applications I</td>
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<tr>
<td>OFTD 1250</td>
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<td>2</td>
</tr>
<tr>
<td>OFTD 1280</td>
<td>Editing Skills for Office Communications II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OFTD 1370</td>
<td>Business File Management</td>
<td></td>
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<td>ADAS 2510</td>
<td>Microsoft Office Applications II</td>
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<td>ADAS 2580</td>
<td>Office Administration Cooperative Education I</td>
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<td>ADAS 2610</td>
<td>Microsoft Office Applications III</td>
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<td>LEGL 2310</td>
<td>Legal Forms and Terminology</td>
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<td><strong>LAW 2050</strong></td>
<td><strong>Law of Contracts</strong></td>
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<td>3</td>
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<tr>
<td><strong>OR 2070</strong></td>
<td><strong>Law of Business Organization</strong></td>
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</table>

**Total Major Requirements Credits** 43

**Total Program Credits** 64
Medical Administrative Assistant/Secretary (MDAD)

Associate in Science Degree in Professional Studies (AS_ADOT)

Knight Campus, Warwick only

The Medical Administrative Assistant/Secretary concentration prepares students to perform administrative and clinical duties. Some responsibilities encountered by graduates include preparing medical correspondence, assisting physicians with medical reports and histories and arranging for patient hospitalization, including insurance and billing practices. This is currently considered one of the fastest-growing occupations.

This program provides the highly technical training necessary for a competent medical assistant/secretary. In their last semester, students are given the opportunity to work in a local medical office.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
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<tr>
<td>BIOL 1080</td>
<td>Introduction to Clinical Procedures</td>
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</tr>
<tr>
<td>BIOL 1110</td>
<td>Introduction to Pharmacology</td>
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<td>ENGL 1010</td>
<td>Composition I</td>
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<tr>
<td>ENGL 1400</td>
<td>Business Writing for Office Professionals</td>
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<tr>
<td>MATH 1005</td>
<td>Business Mathematics</td>
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<tr>
<td>PSYC 1030</td>
<td>Psychology of Personal Adjustment</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
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Total General Education Requirements Credits  22
## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>MEDL 2350</td>
<td>Medical Terminology</td>
<td></td>
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<td>MEDL 2360</td>
<td>Medical Document Processing</td>
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<td>MEDL 2380</td>
<td>Medical Office Transcription I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MEDL 2410</td>
<td>Medical Insurance Billing</td>
<td></td>
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</tr>
<tr>
<td>ADAS 2570</td>
<td>Administrative Office Management</td>
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</tr>
<tr>
<td>MEDL 2430</td>
<td>Electronic Medical Records and Practice Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MEDL 2480</td>
<td>Medical Office Transcription II</td>
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<td>OFTD 1105</td>
<td>Essential Note Taking Skills</td>
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<td>OFTD 1120</td>
<td>Microcomputer Keyboarding</td>
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<td>OFTD 1130</td>
<td>Editing Skills for Office Communications I</td>
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</tr>
<tr>
<td>OFTD 1140</td>
<td>Office Technology &amp; Procedures I</td>
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<td>OFTD 1180</td>
<td>Speech Recognition Software Applications I</td>
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<td>OFTD 1190</td>
<td>Speech Recognition Software Applications II</td>
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<tr>
<td>OFTD 1220</td>
<td>Microsoft Office Applications I</td>
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</tr>
<tr>
<td>OFTD 1250</td>
<td>Office Accounting</td>
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<tr>
<td>OFTD 1280</td>
<td>Editing Skills for Office Communications II</td>
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<tr>
<td>OFTD 1370</td>
<td>Business File Management</td>
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<tr>
<td>MEDL 2910</td>
<td>Medical Cooperative Work Experience</td>
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</table>

Total Major Requirements Credits: 43

## Total Program Credits

Total: 65
Medical Insurance Billing Specialist Concentration (MIBC)

Certificate in Professional Studies (CERT_ADOT)

Knight Campus, Warwick only

This concentration provides students with the knowledge, skills and abilities to process medical insurance forms and to code medical records using the CPT and ICD-CM coding systems. Upon completion of the program, students are eligible to take the national Certified Professional Coders examination. Employment of medical records and health information technicians is expected to grow much faster than average for all occupations.

Certificate program credits may be applied toward an Professional Studies or General Studies degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: BIOL 1070; OFTD 1120
- Second semester: MEDL 2350, 2390, 2400
- Third semester: MEDL 2410, 2420
- Fourth semester: ENGL 1400
- Fifth semester: MATH 1005; MEDL 2430

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
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<td>MEDL 2350</td>
<td>Medical Terminology</td>
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</tr>
<tr>
<td>MEDL 2390</td>
<td>CPT Medical Insurance Coding</td>
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<td>MEDL 2400</td>
<td>ICD-CM Medical Insurance Coding</td>
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<td>ENGL 1400</td>
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<td>Medical Insurance Billing</td>
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<td>Practical Applications in Professional Medical Coding</td>
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<td>Electronic Medical Records and Practice Management</td>
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<td>MATH 1005</td>
<td>Business Mathematics</td>
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</tr>
</tbody>
</table>

Total General Education Requirements Credits 29

Total Program Credits 29
Certificate in Biotechnology (CERT_BIOT)

PROGRAMS

CCRI’s Biotechnology program includes courses in biotechnology, microbiology, chemical technology and instrumentation. Coursework is designed to mirror many of the concepts and techniques used in biotechnology and related industries. In addition to coursework, students will have access to industry professionals through classroom speakers, manufacturing facility tours, industry seminars and professional networking.

The Biotechnology program offers hands-on, competency-based instruction designed for entry-level students or retraining for individuals with previous workplace and/or educational experience. The 18-credit certificate program focuses on the techniques and skills leading companies look for in the area of biomanufacturing. Biotechnology certificate credits can be used toward the completion of the Science track leading to an Associate in Science (A.S.) degree. This allows students the option of working in the biotechnology field while completing their degree. Alternatively, students can complete the Associate in Science degree and the Biotechnology certificate program concurrently.

For more information, see the “Science” track entry in the catalog or contact Program Coordinator Scott Warila at 401-825-2136 or srwarila@ccri.edu. Additional information is available through the Biology Department on the CCRI website.

Note: Students are required to receive a grade of C or better in the courses required for the Biotechnology certificate or obtain special permission from the program coordinator. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester (Fall): BIOL 1000 AND/OR INST 1010*
- Second semester (Spring): CHMT 1121+ AND/OR BIOL 1310
- Summer or Fall (2) (semester 3): BIOL 1300 AND/OR 2480*

*also offered in spring, +offered some summers

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<td>Orientation to Biotechnology</td>
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<td>BIOL 1000</td>
<td>Cell Biology for Technology</td>
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<tr>
<td>CHMT 1121</td>
<td>Chemistry for Biotechnology</td>
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<tr>
<td>BIOL 1310</td>
<td>Introduction to Biotechnology</td>
<td>Laboratory Skills</td>
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<td>BIOL 2480</td>
<td>General Microbiology</td>
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<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation</td>
<td>Technology</td>
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</table>

Total Certificate Requirements Credits 18

Total Program Credits 18
Business Administration

PROGRAMS

• Associate Degree Program Concentrations
  • Accounting
  • Financial Services
  • General Business
  • Management
  • Marketing

• Certificate Program Concentrations
  • Accounting
  • Entrepreneurship
  • Financial Services
  • Management
  • Marketing

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

The goal of all business programs is to provide students with the opportunity to develop their communication, interpersonal, leadership and teamwork skills. The core program provides students with a basic understanding of the business environment in support of the learning objectives of each specific major concentration.

Students who are interested in transferring to another college to earn a bachelor’s degree should select courses that will meet requirements at the college of their choice. Students planning to develop career skills to use directly after graduation may elect courses to prepare for jobs in accounting, management, marketing, financial services and general business administration.

Associate in Science Degree in Business (ASB_BUSN)

Accounting Concentration (ACCT)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

The Accounting concentration assists students in developing analytical skills through a critical exploration of the fundamentals of accounting and the use of accounting for decision-making purposes. Students use the latest technology to perform various accounting functions. In addition, students work on developing communication, interpersonal, leadership, and teamwork skills. This concentration prepares students for entry-level positions such as accounting clerk, staff accountant, accounting assistant, bookkeeper, assistant auditor and tax preparer in public, private and governmental agencies. Students also may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

TRANSFER OPTIONS

OPTION 1: Complete a CCRI Business Administration degree program and transfer to one of the four-year colleges with which CCRI has transfer agreements. Course credits transfer differently from college to college. Consult with Advising and Counseling for specifics. Under the articulation transfer policy, students completing a CCRI associate in science degree in business with at least a 2.4 GPA are guaranteed admission to Rhode Island College (RIC) or the University of Rhode Island (URI). The applicability of courses toward the baccalaureate degree is determined by the receiving institution. For more information, visit www.ritransfers.org and contact your CCRI adviser.

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and acceptance for the intended major at RIC or URI. For more information on the benefits of participating in JAA, visit [www.ccri.edu/jaa](http://www.ccri.edu/jaa) or [www.ritransfers.org](http://www.ritransfers.org) and contact your CCRI adviser.

### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
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<tr>
<td>MATH</td>
<td>Math 1000 or higher</td>
<td>Math at the 1000 level or higher. MATH 2077 and 2138 are recommended for students who plan to transfer to a four-year institution. MATH 1005 and 1015 are recommended for students who do not plan to transfer.</td>
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</tr>
<tr>
<td>MATH</td>
<td>Math 1000 or higher</td>
<td>Math at the 1000 level or higher. MATH 2077 and 2138 are recommended for students who plan to transfer to a four-year institution. MATH 1005 and 1015 are recommended for students who do not plan to transfer.</td>
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<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>ECON 2040</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td>Select one: COMM 1100 OR COMM 1010</td>
<td>Public Speaking OR Communication Fundamentals</td>
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<tr>
<td>Select one: ENGL 1410 OR 2100 OR ENGL (Lit)</td>
<td>Business Writing OR Technical Writing OR Literature course</td>
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**General Education Electives**

- Select six credits from: World Languages (ARAB, CHIN, FREN, GERM, ITAL, JAPN, PORT, RUSN, SPAN) and/or Humanities, Math/Science or Social Sciences. See this page for complete listing of courses that meet this requirement. 6

| Total General Education Requirements Credits | 27 |

### Major Requirements

<table>
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<th>COURSE NO.</th>
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<tr>
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<td>Financial Accounting</td>
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<td>ACCT 1020</td>
<td>Managerial Accounting</td>
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<td>Computerized Accounting</td>
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<td>ACCT 1500</td>
<td>Personal Income Taxes</td>
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<td>ACCT 2010</td>
<td>Intermediate Accounting I</td>
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<td>ACCT 2020</td>
<td>Intermediate Accounting II</td>
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<td>BUSN 1010</td>
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<td>BUSN 1040</td>
<td>Personal Finance</td>
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<td>BUSN 2050</td>
<td>Principles of Management</td>
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<td>BUSN 2060</td>
<td>Principles of Marketing</td>
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<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
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</table>

| Total Major Requirements Credits | 35 |

| Total Program Credits | 62 |

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Certificate in Business Administration (CERT_BUSN)

Accounting Concentration (ACCT)

By providing an academic foundation in accounting, this certificate program prepares students for entry-level positions in the accounting field. It also may be completed to enhance skills of individuals currently employed in accounting-related positions. Students interested in this program should develop a plan of study to coordinate the timing and availability of all courses.

Note: Most credits earned in this certificate program can be applied toward the associate degree program in Business with a major in Accounting or General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: ACCT 1010; COMI 1420; MATH
- Second semester: ACCT 1020; BUSN 1040
- Third semester: ACCT 1030, 2010
- Fourth semester: ACCT 1500, 2020

Certificate Requirements

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<th>COURSE TITLE</th>
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<td>ACCT 1020</td>
<td>Managerial Accounting</td>
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<td>ACCT 1500</td>
<td>Personal Income Taxes</td>
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<td>ACCT 2010</td>
<td>Intermediate Accounting I</td>
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<tr>
<td>ACCT 2020</td>
<td>Intermediate Accounting II</td>
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<tr>
<td>BUSN 1040</td>
<td>Personal Finance</td>
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</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
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<tr>
<td>MATH</td>
<td>Select one: Math 1005, 1015, 2077, 2138</td>
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</tbody>
</table>

Total Certificate Requirements Credits 29

Total Program Credits 29
Entrepreneurship Concentration (ETRC)

Certificate in Business Administration (CERT_BUSN)

The entrepreneurship concentration is designed to provide students with the skills and competencies needed to become an effective entrepreneur or intrapreneur, while also allowing them the opportunity to practice \textit{being} an entrepreneur. This comprehensive program will expose students to concepts such as the design process, the lean startup, leadership, marketing, financial accounting, and more.

\textbf{Note:} All credits earned in this certificate program can be applied toward the associate degree program in Business with a major in General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

\textbf{RECOMMENDED COURSE SEQUENCE}
\begin{itemize}
  \item First semester: ACCT 1010; BUSN 1010
  \item Second semester: BUSN 1145, 2050, 2060
  \item Third semester: BUSN 1165; ACCT 1020
  \item Fourth semester: BUSN 1185, 1060
\end{itemize}

\textbf{Certificate Requirements}

\begin{tabular}{|l|l|l|l|}
\hline
\textbf{COURSE NO.} & \textbf{COURSE TITLE} & \textbf{COURSE NOTES} & \textbf{CREDITS} \\
\hline
ACCT 1010 & Financial Accounting & 4 \\
BUSN 1010 & Introduction to Business & 3 \\
BUSN 1145 & Introduction to Entrepreneurship & 3 \\
BUSN 1060 & Leadership Development & 3 \\
BUSN 2050 & Principles of Management & 3 \\
BUSN 1165 & The Design Process & 3 \\
ACCT 1020 & Managerial Accounting & 4 \\
BUSN 2060 & Principles of Marketing & 3 \\
BUSN 1185 & The Lean Startup & 3 \\
\hline
\textbf{Total Certificate Requirements Credits} & & & 29 \\
\hline
\textbf{Total Program Credits} & & & 29 \\
\hline
\end{tabular}
Financial Services Concentration (FNBK)

Associate in Science Degree in Business (ASB_BUSN)

Students enrolled in the Financial Services concentration develop analytical and critical-thinking skills essential for success in today’s financial environments. In addition, students develop their communication, interpersonal, leadership, and teamwork skills. The Financial Services concentration prepares students for entry-level positions in the financial services industry including banking, insurance, and investments. Employment opportunities include bank teller, loan officer, insurance sales and customer service representatives. Students also may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

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</tr>
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<tr>
<td>ENGL 1010</td>
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<tr>
<td><strong>MATH</strong></td>
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<td>OR COMM 1010</td>
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**Total General Education Requirements Credits:** 27

## Major Requirements

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<td>Personal Finance</td>
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<td>Sales</td>
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**Total Major Requirements Credits:** 35

**Total Program Credits 62-63***
Financial Services Concentration (FNSC)

Certificate in Business Administration (CERT_BUSN)

This concentration in Financial Services is designed to prepare students for entry-level positions in the financial services industry, which includes banking, insurance and investments. Also, individuals who are already working in the industry and seeking promotion to a higher position can benefit from earning this certificate. Courses in accounting, personal income taxes, personal finance, money and banking and investments will provide a strong foundation. A course in sales will enable the student to acquire tools to sell the types of products offered by companies in the industry.

**Note:** All credits earned in this certificate program can be applied toward the associate degree program in Business with a concentration in Financial Services (except ACCT 1500) or General Business. Many courses require prerequisites, corequisites and/or testing. [See course descriptions for details.](#)

### RECOMMENDED COURSE SEQUENCE

- First semester: ACCT 1010; BUSN 1010
- Second semester: ACCT 1020; BUSN 2063
- Third semester: BUSN 1040, 2050, 2110
- Fourth semester: ACCT 1500; BUSN 2120

### Certificate Requirements

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### Total Program Credits

| Credit | 29    |
General Business Concentration (GBUS)

Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

The General Business concentration provides students with an opportunity to develop communication, interpersonal, leadership, and teamwork skills as well as a solid understanding of the contemporary business environment. Major requirements provide a strong foundation in business and the program allows for flexibility in the elective offerings. Students also may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Available Online: Students are able to meet the program requirements with online courses. See https://www.ccri.edu/distance/ for more information on online programs, what courses are available online, and ways to be a successful online student.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

TRANSFER OPTIONS

OPTION 1: Complete a CCRI Business Administration degree program and transfer to one of the four-year colleges with which CCRI has transfer agreements. Course credits transfer differently from college to college. Consult with Advising and Counseling for specifics. Under the articulation transfer policy, students completing a CCRI associate in science degree in business with at least a 2.4 GPA are guaranteed admission to Rhode Island College (RIC) or the University of Rhode Island (URI). The applicability of courses toward the baccalaureate degree is determined by the receiving institution. For more information, visit www.ritransfers.org and contact your CCRI adviser.

OPTION 2: Participate in the Joint Admissions Agreement (JAA) and take the courses in one of the approved JAA transition plans for transfer into specific business-related majors at RIC or URI. Students who successfully complete JAA requirements are guaranteed transfer of their courses and acceptance for the intended major at RIC or URI. For more information on the benefits of participating in JAA, visit www.ccri.edu/jaa or www.ritransfers.org and contact your CCRI adviser.
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<td>Math at the 1000 level or higher. MATH 2077 and 2138 are recommended for students who plan to transfer to a four-year institution. MATH 1005 and 1015 are recommended for students who do not plan to transfer.</td>
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<td>Principles of Microeconomics</td>
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<td>Select one:</td>
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Total General Education Requirements Credits 27

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<td>Principles of Management</td>
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<td>Electives</td>
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Total Major Requirements Credits 35

Total Program Credits 62
Management Concentration (MGTC)

Certificate in Business Administration (CERT_BUSN)

The Management concentration begins with a study of basic principles, concepts and procedures. Upon successful completion of these initial courses, students apply their knowledge in a capstone management strategy course. This final course allows students to apply previous learning through cases, simulations and integrated activities. Students are expected to use and demonstrate reasoning skills, strategies and a basic understanding of decision-making.

Note: All credits earned in this certificate program can be applied toward the associate in science degree in Business program with a concentration in Management or General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: ACCT 1010; BUSN 1010
- Second semester: ACCT 1020; BUSN 1000, 2050
- Third semester: BUSN 1060, 2060, 2350
- Fourth semester: BUSN 2070

Certificate Requirements

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<td>BUSN 1000</td>
<td>Workplace Relationship Skills</td>
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<td>Introduction to Business</td>
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<td>BUSN 1060</td>
<td>Leadership Development</td>
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Total Certificate Requirements Credits: 29

Total Program Credits: 29
Management Concentration (MNGT)

Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

Students who successfully complete the Management concentration demonstrate a fundamental knowledge of a range of management concepts and approaches. They also are able to successfully apply tools and techniques for management decision-making and can conduct research using a variety of resources, including online databases. In addition, this program assists students in developing communication, interpersonal, leadership and teamwork skills essential in today’s business environment.

Management Strategy (BUSN 2070) serves as the capstone course for this concentration. The Management concentration prepares students for entry-level positions such as assistant manager or manager-in-training in various organizational settings. Students may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

TRANSFER OPTIONS

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<td>ECON 2040</td>
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Total General Education Requirements Credits 27

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Total Major Requirements Credits 35

Total Program Credits 62
Marketing Concentration (MARK)

Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs.

Students who successfully complete courses in this concentration develop communication, interpersonal, leadership and teamwork skills. Program graduates understand the role and importance of marketing in organizations, demonstrate critical-thinking, decision-making, strategic planning and communications skills, and are able to use technological resources – including online databases – to conduct research.

The Marketing concentration prepares students for entry-level positions such as marketing assistant or coordinator, advertising assistant, or salesperson or customer service representative. Students may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

TRANSFER OPTIONS

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</tr>
<tr>
<td>BUSN 1000</td>
<td>Workplace Relationship Skills</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2063</td>
<td>Sales</td>
<td></td>
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<tr>
<td>BUSN 2065</td>
<td>Advertising Principles</td>
<td></td>
<td>3</td>
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<tr>
<td>Computer Studies</td>
<td>Take three credits from: ACCT 1030; BUSN 1220; COMI 1100, 1420, 1422, 1430, 1440, 1451, 1452, 1640, 1645</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BUSN or ACCT Elective</td>
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</table>

Total Major Requirements Credits: 35

Total Program Credits: 62
Marketing Concentration (MRKC)

Certificate in Business Administration (CERT BUSN)

This concentration provides students with both an academic foundation and practical skills development in the field of marketing. It is ideal for individuals already working in the business world who seek a background in marketing or those who wish to explore the field by studying a variety of up-to-date topics.

Note: All credits earned in this certificate program can be applied toward the associate degree program in Business with a concentration in Marketing or General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: ACCT 1010; BUSN 1010
- Second semester: BUSN 1000, 2060
- Third semester: BUSN 2061, 2063
- Fourth semester: BUSN 2065, BUSN 2050

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ACCT 1010</td>
<td>Financial Accounting</td>
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</tr>
<tr>
<td>BUSN 1000</td>
<td>Workplace Relationship Skills</td>
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</tr>
<tr>
<td>BUSN 1010</td>
<td>Introduction to Business</td>
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</tr>
<tr>
<td>BUSN 2060</td>
<td>Principles of Marketing</td>
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<td>3</td>
</tr>
<tr>
<td>BUSN 2061</td>
<td>Marketing Communications</td>
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<tr>
<td>BUSN 2063</td>
<td>Sales</td>
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<tr>
<td>BUSN 2065</td>
<td>Advertising Principles</td>
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<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
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</table>

Total Certificate Requirements Credits 25

Total Program Credits 25
Chemical Technology (CHEM)

PROGRAMS

- Associate Degree Program Concentrations
  - Chemical Technology (AAS_CHMT)
- Certificate Program Concentrations
  - Certificate in Chemical Technology (CERT_CHMT)

CCRI offers a certificate and an associate in applied science degree in Chemical Technology. Either program can be taken on a part- or full-time basis, but the program is designed to allow students to fit their education into their busy lives. It is recommended that all students initially enroll in the certificate program because employers often do not discriminate between certificate- and degree-holding job candidates. Students can continue on to earn the associate in applied science degree. The A.A.S. degree in Chemical Technology transfers to most four-year institutions as the first two years of a traditional baccalaureate program in Chemistry.

For more information contact Program Coordinator Wayne Suits at 401-825-2010 or wsuits@ccri.edu.

Chemical Technology Certificate

Certificate in Chemical Technology (CERT_CHMT)

Knight Campus, Warwick only

The chemical industry is one of the fastest growing industries in the United States. Its need for trained technicians in quality control, analysis, and research and development laboratories is extensive.

The Chemical Technology certificate program prepares graduates to enter the chemical field in any one of a variety of capacities – chemical research technician, laboratory assistant, chemical production technician, junior chemist or analytical technician. The program is structured to develop a fundamental understanding of general, organic and analytical chemistry, with emphasis on laboratory applications and techniques. The certificate program consists of the four core Chemical Technology courses, an English course and mathematics proficiency.

Note: Students must take the ACCUPLACER test to ensure proficiency in mathematics. If the ACCUPLACER test indicates, MATH 0100 (3 credits) or MATH 0101 (3 credits) is required. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: CHMT 1120; ENGL 1010
- Second semester: CHMT 1220
- Third semester: CHMT 2320*
- Fourth semester: CHMT 2420

*CHMT 2320 starts in January and ends in August.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tr>
<td>CHMT 1120</td>
<td>Chemical Technology I</td>
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<tr>
<td>CHMT 1220</td>
<td>Chemical Technology II</td>
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<td>6</td>
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<tr>
<td>CHMT 2320</td>
<td>Chemical Technology III</td>
<td>CHMT 2320 starts in January and ends in August.</td>
<td>10</td>
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<tr>
<td>CHMT 2420</td>
<td>Chemical Technology IV</td>
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<td>ENGL 1010</td>
<td>Composition I</td>
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</table>

Total Certificate Requirements Credits 33

Total Program Credits 33
Chemical Technology Degree

Associate in Applied Science Degree in Chemical Technology (AAS_CHMT)

Knight Campus, Warwick only

This program was the first in the nation to be accredited by the American Chemical Society.

The chemical industry is one of the fastest growing industries in the United States. Its need for trained technicians in quality control, analysis, and research and development laboratories is extensive.

The Chemical Technology program prepares graduates to enter the chemical field in any one of a variety of capacities: chemical research technician, laboratory assistant, chemical production technician, junior chemist or analytical technician. The program is structured to develop a fundamental understanding of general, organic and analytical chemistry, with emphasis on laboratory applications and techniques.

Note: It is recommended that full-time students take a minimum of 15 credits each semester. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: CHMT 1120; BIOL 1000 OR 1002; ENGL 1010; MATH 1200 OR 1179
- Second semester: CHMT 1220; MATH 2110 OR 1181; INST 1010; Humanities OR Social Science Elective
- Third semester: CHMT 2320*; BIOL 2480; Social Science Elective
- Fourth semester: CHMT 2420; COMI course(s); ETEE 1050

*This course starts in January and ends in August.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>BIOL 1000</td>
<td>Cell Biology for Technology</td>
<td>Students who also plan to complete the Biotechnology certificate program should choose BIOL 1000.</td>
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<tr>
<td>OR 1002</td>
<td>OR Introductory Biology: Cellular</td>
<td></td>
<td></td>
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<tr>
<td>BIOL 2480</td>
<td>General Microbiology</td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
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</tr>
<tr>
<td>Humanities</td>
<td>OR Social Science Elective</td>
<td>See this page for complete listing of courses that meet this requirement.</td>
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<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>Students who plan to transfer and complete a bachelor’s degree in Chemistry should choose MATH 1200 and 2110.</td>
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<tr>
<td>OR 1179</td>
<td>OR Applied Technical Mathematics I</td>
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<tr>
<td>MATH 2110</td>
<td>College Trigonometry</td>
<td>Students who plan to transfer and complete a bachelor’s degree in Chemistry should choose MATH 1200 and 2110.</td>
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<tr>
<td>OR 1181</td>
<td>OR Applied Technical Mathematics II</td>
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<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation Technology</td>
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<tr>
<td>Social Science Elective</td>
<td>See this page for complete listing of courses that meet this requirement.</td>
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Total General Education Requirements Credits 26
## Major Requirements

<table>
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<th>COURSE NO.</th>
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<tbody>
<tr>
<td>CHMT 1120</td>
<td>Chemical Technology I</td>
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<tr>
<td>CHMT 1220</td>
<td>Chemical Technology II</td>
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</tr>
<tr>
<td>CHMT 2320</td>
<td>Chemical Technology III</td>
<td>CHMT 2320 starts in January and ends in August.</td>
<td>10</td>
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<tr>
<td>CHMT 2420</td>
<td>Chemical Technology IV</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
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<tr>
<td>OR COMI 1420</td>
<td>OR Introduction to Spreadsheets (5 weeks)</td>
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<tr>
<td>AND COMI 1430</td>
<td>AND Introduction to Database Software (5 weeks)</td>
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<tr>
<td>AND COMI</td>
<td>AND any other COMI course</td>
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</tr>
<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
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</tbody>
</table>

Total Major Requirements Credits 36

Total Program Credits 62
Communication (COMM)

- Associate in Arts Degree in Communication and Film/Media (AA_COMM)
  - Communication Concentration (COMG)
  - Film/Media Concentration (COMF)
- Certificate in New Media Communication (CERT_NMCC)
  - Media Production Concentration (NMPR)
  - Media Post-Production Concentration (NMPP)
  - Media Studies Concentration (NMST)
  - Media Communication Concentration (NMCM)

Communication and Film/Media

Associate in Arts Degree in Communication and Film/Media
(AA_COMM)

Communication Concentration (COMG)

The Communication and Film/Media associate degree program offers students a choice of two concentrations, both of which prepare students to enter a career in various communication and media disciplines or to transfer to a four-year college where they can further refine and develop their skills, earning a bachelor’s degree. Transfer agreements with local and regional colleges enable students to make a seamless transition into a four-year institution. Program faculty mentor students to help them select, balance, and sequence courses.

Whether creating content for traditional or digital media platforms, enrolled students will acquire the skills to craft and communicate a message. A combination of core course requirements, as well as specialized courses and general electives, provides students with theoretical background and hands-on application. Field placement, a portfolio, and experiential learning are built into the program so graduates are prepared to enter careers with work experience.

Note: Many courses require prerequisites, corequisites and/or testing. See Communication course descriptions for details.

RECOMMENDED COURSE SEQUENCE »

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
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<tr>
<td>(HUMANITIES (LITERATURE))</td>
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<td>Recommended ENGL 1200 Introduction to Literature</td>
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<tr>
<td>(HUMANITIES)</td>
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<td>Recommended ENGL 2010 Composition II</td>
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<tr>
<td>(HUMANITIES)</td>
<td></td>
<td>Recommended PHIL 2030 Ethics</td>
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</tr>
<tr>
<td>(MATH)</td>
<td></td>
<td>Recommended MATH 1139 Math for Liberal Arts</td>
<td>3</td>
</tr>
<tr>
<td>(SOCIAL SCIENCE)</td>
<td></td>
<td>Recommended SOCS 1010 General Sociology</td>
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<tr>
<td>(SOCIAL SCIENCE (HISTORY))</td>
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<td>Recommended HIST 1010 or HIST 1020 Survey of Western Civ. I/II</td>
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Total General Education Requirements Credits 21
## Major Core Requirements

<table>
<thead>
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<tbody>
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<td>COMM 1005</td>
<td>Careers in Communication &amp; Film</td>
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<tr>
<td>COMM 1000</td>
<td>Foundations in Video and Audio Production</td>
<td></td>
<td>4</td>
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<tr>
<td>COMM 1010</td>
<td>Communication Fundamentals</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1400</td>
<td>Social Media Communication</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 2000</td>
<td>Media Writing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 2490</td>
<td>Field Experience</td>
<td></td>
<td>2</td>
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<tr>
<td>COMM 2500</td>
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## Communication Concentration

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<tr>
<td>COMM 1050</td>
<td>Mass Media Foundations</td>
<td></td>
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<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1110</td>
<td>Voice and Articulation</td>
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<td>3</td>
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<tr>
<td>COMM 2025</td>
<td>Interpersonal Communication</td>
<td></td>
<td>3</td>
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<tr>
<td>COMM 2050</td>
<td>Media and Broadcast History</td>
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<tr>
<td>COMM 2310</td>
<td>Sound Design and Production</td>
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<tr>
<td>COMM 2221</td>
<td>Multimedia Reporting</td>
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**Total Program Credits** 63
Communication and Film/Media

Associate in Arts Degree in Communication and Film/Media
(AA_COMM)

Film/Media Concentration (COMF)

The Communication and Film/Media associate degree program offers students a choice of two concentrations, both of which prepare students to enter a career in various communication and media disciplines or to transfer to a four-year college where they can further refine and develop their skills, earning a bachelor’s degree. Transfer agreements with local and regional colleges enable students to make a seamless transition into a four-year institution. Program faculty mentor students to help them select, balance, and sequence courses.

Whether creating content for traditional or digital media platforms, enrolled students will acquire the skills to craft and communicate a message. A combination of core course requirements, as well as specialized courses and general electives, provides students with theoretical background and hands-on application. Field placement, a portfolio, and experiential learning are built into the program so graduates are prepared to enter careers with work experience.

Note: Many courses require prerequisites, corequisites and/or testing. For details, see Communication course descriptions, Film course descriptions, and English course descriptions.

RECOMMENDED COURSE SEQUENCE »

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
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<td>ENGL 1010</td>
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<td><strong>HUMANITIES (LITERATURE)</strong></td>
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<td><strong>HUMANITIES</strong></td>
<td>Recommended MUSC 1110 Jazz History</td>
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<td><strong>HUMANITIES</strong></td>
<td>Recommended PHIL 2030 Ethics</td>
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<td></td>
<td><strong>MATH</strong></td>
<td>Recommended MATH 1139 Math for Liberal Arts</td>
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<td></td>
<td><strong>SOCIAL SCIENCE</strong></td>
<td>Recommended SOCS 1010 General Sociology</td>
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<tr>
<td></td>
<td><strong>SOCIAL SCIENCE (HISTORY)</strong></td>
<td>Recommended HIST 1010 or HIST 1020 Survey of Western Civ. I/II</td>
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Total General Education Requirements Credits 21

Major Core Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tr>
<td>COMM 1005</td>
<td>Careers in Communication &amp; Film</td>
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<tr>
<td>COMM 1000</td>
<td>Foundations in Video and Audio</td>
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<td></td>
<td>Production</td>
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<tr>
<td>COMM 1010</td>
<td>Communication Fundamentals</td>
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<td>3</td>
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<tr>
<td>COMM 1400</td>
<td>Social Media Communication</td>
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<td>COMM 2000</td>
<td>Media Writing</td>
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<td>COMM 2490</td>
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Total Major Core Requirements Credits 18
Community College of Rhode Island

### Film/Media Concentration

<table>
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<tr>
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<tbody>
<tr>
<td>COMM 2100</td>
<td>Studio Production</td>
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<td>COMM 2200</td>
<td>Documentary Production</td>
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<tr>
<td>COMM 2300</td>
<td>Video &amp; Media Editing</td>
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</tr>
<tr>
<td>COMM 2310</td>
<td>Sound Design and Production</td>
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<tr>
<td>FILM 2204</td>
<td>History of Film I</td>
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<td>ENGL 1210</td>
<td>Introduction to Film</td>
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<td>ENGL 2310</td>
<td>Introduction to Screenwriting</td>
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Total Film/Media Concentration Credits: 24

Total Program Credits: 63
Communication (COMM)

Certificate in New Media Communication (CERT_NMCC)

- Certificate Program Concentrations
  - Media Production Concentration (NMPR)
  - Media Post-Production Concentration (NMPP)
  - Media Studies Concentration (NMST)
  - Media Communication Concentration (NMCM)

The New Media Communication certificate offers practical training in the foundational skills of video, audio and media production; critical studies; writing and rhetoric. Whether creating content for traditional or new media platforms, students will gain an understanding of how to craft and communicate a message from pre-production through post-production. Through their participation, students will be prepared to enter various communication and media disciplines as videographers, producers, directors, writers and editors in the following industries: television, radio, new media journalism, the Web and social media management. Students also will develop a solid foundation that prepares them to enter four-year degree programs where they can further refine and develop their talents and skills.

Note: Many courses require prerequisites, corequisites and/or testing. For details, see Communication and English course descriptions.

Media Production

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tbody>
<tr>
<td>COMM 1000</td>
<td>Foundations in Video and Audio Production</td>
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<td>4</td>
</tr>
<tr>
<td>COMM 1050</td>
<td>Mass Media Foundations</td>
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</tr>
<tr>
<td>COMM 2100</td>
<td>Studio Production</td>
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<td>COMM 2200</td>
<td>Documentary Production</td>
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<td>3</td>
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<tr>
<td>COMM 2300</td>
<td>Video &amp; Media Editing</td>
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<td>Total Media Production Credits</td>
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Media Post-Production

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<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>COMM 1000</td>
<td>Foundations in Video and Audio Production</td>
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<td>4</td>
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<td>COMM 1050</td>
<td>Mass Media Foundations</td>
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</tr>
<tr>
<td>COMM 2300</td>
<td>Video &amp; Media Editing</td>
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<tr>
<td>COMM 2350</td>
<td>Motion Graphics for Media Communication</td>
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<tr>
<td>COMM 2400</td>
<td>Production and Distribution Fundamentals</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Media Post-Production Credits</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>
## Media Studies

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1000</td>
<td>Foundations in Video and Audio Production</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>COMM 1050</td>
<td>Mass Media Foundations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 2050</td>
<td>Media and Broadcast History</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1210</td>
<td>Introduction to Film</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2210</td>
<td>Special Topics in Film</td>
<td></td>
<td>3</td>
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</tbody>
</table>

Total Media Studies Credits: 16

## Media Communication

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1000</td>
<td>Foundations in Video and Audio Production</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>COMM 1050</td>
<td>Mass Media Foundations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1400</td>
<td>Social Media Communication</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 2000</td>
<td>Media Writing</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Media Communication Credits: 16

Total Program Credits: 30
Computer Studies and Information Processing

PROGRAMS

- Associate Degree Programs and Concentrations (A.S)
  - Computer Programming (CPRD)
  - Computer Studies and Information Processing (AS_COMI)
    - Computer Support Specialist (Under revision - see Computer Studies Department page for more information)
    - General Information Processing (CMGD)
    - Networking (CMND)
    - Web Technologies (CWTD)
  - Cybersecurity (CYBR)
- Associate in Applied Science in Computer and Networking Technology Concentrations (AAS_CNTD)
  - Computer Networking Technology (CNTO)
- Certificate Program Concentrations
  - Computer Programming (CPCT)
  - Computer Support Technician (Under revision - see Computer Studies Department page for more information)
  - General Information Processing (CMGC)
  - Network Support Technician (Under revision - see Computer Studies Department page for more information)
  - Networking (CMNC)
  - Office Automation (OFFA)
  - Web Technologies (CWTC)
- Certificate in Computer and Networking Technology Concentrations
  - Networking Technician (NWTC)
  - Advanced Networking Technician (NWAC)

In response to the impact of computer technology on communications and industry, CCRI offers various degree and certificate programs through the Computer Studies and Information Processing Department.

Associate in Science (A.S.) degree programs:

*Computer Programming* prepares students to enter a modern programming environment. This degree program stresses problem definition and solution design using different programming languages in the development of applications.

*Computer and Information Processing Concentrations* prepares students for careers in modern office environments, emphasizing both client and server technologies.

*Cybersecurity* is one of the fastest-growing, high-demand fields of information technology and the workplace in general. This degree program offers students the opportunity to acquire the skills needed to compete for these jobs and to prepare for a career in cybersecurity. The program will also provide a strong foundation for students intending to pursue a bachelor’s degree in the field as well as an opportunity for industry professionals to update their skills to meet the demands of their employers.

*Associate in Applied Science in Networking Technology Concentrations (A.A.S)*

*Computer Networking Technology* places an emphasis on operating principles of hardware and software, networking models, operating systems, internetworking components, and industry standards along with hands-on laboratory activities for developing practical problem-solving skills.

Certificate programs:

*Computer Programming, General Information Processing, Computer Support Specialist, Network Support Specialist, Networking, Web Technologies, Office Automation, Networking Technician, and Advanced Networking Technician.* Certificate programs emphasize technical coursework only and do not require students to take electives that are required in the associate degree program.
Advanced Networking Technician Concentration (NWAC)

Certificate in Computer and Networking Technology (CERT_CNTD)

Knight Campus, Warwick only

Students will learn about complex network configurations, diagnostics and troubleshooting techniques. More advanced instructions allow students to gain essential knowledge and skills used to design and implement converged, scalable and secured LANs and WANs. Courses that prepare the student to sit for the CCNP exam are integrated into this program.

Note: This certificate requires completion of the Networking Technician concentration (NWTC) prior to enrollment or permission of the department. All courses in this certificate can be applied to the Computer and Networking Technology A.A.S. degree (AAS_CNTD). Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: CNVT 2200 AND 2010 OR 2030
- Second Semester: CNVT 2010 OR 2030 AND 2060

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNVT 2200</td>
<td>Network Security Hardware</td>
<td>CNVT 1820 must be taken prior to CNVT 2200.</td>
<td>4</td>
</tr>
<tr>
<td>CNVT 2010</td>
<td>Cisco CCNP Route</td>
<td>This course is offered in the Spring semester only.</td>
<td>5</td>
</tr>
<tr>
<td>CNVT 2030</td>
<td>Cisco CCNP Switch</td>
<td>This course is offered in the Fall semester only.</td>
<td>5</td>
</tr>
<tr>
<td>CNVT 2060</td>
<td>CCNP TSHOOT: Cisco IP Network</td>
<td>This course is offered on a demand basis.</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Certificate Requirements Credits 19

Total Program Credits 19
Computer Networking Technology Concentration (CNTO)

Associate in Applied Science Degree in Computer and Networking Technology (AAS_CNTD)

Knight Campus, Warwick only

Computers and networks continue to expand in all aspects of our personal activities to business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals, computer hardware, computer software and networking technology. Emphasis is placed on operating principles of hardware and software, networking models, operating systems, internetworking components, and industry standards along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure and troubleshoot basic PCs, local area networks (LANs) and internetworks using routers and switches. Integrated into the program are courses that prepare students to sit for both the Cisco CCNA and the CompTIA A+. Depending on the track taken, students can sit for either the Cisco CCNP or the MCITP.

Note: Because several courses are required in all concentrations, students may transfer between concentrations fairly easily without losing much educational time. Consult with a faculty adviser in selecting electives to determine transferability. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

All students in the Computer and Networking Technology program must take the courses listed in the two charts below plus the courses in their chosen concentration.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1000</td>
<td>Conceptual Physics/Physical Science</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td></td>
<td>See this page for complete listing of courses that meet this requirement.</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Electives</td>
<td></td>
<td>See this page for complete listing of courses that meet this requirement.</td>
<td>6</td>
</tr>
<tr>
<td>Total General Education Requirements Credits</td>
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<td>22</td>
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</table>
### Major Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2020</td>
<td>OR CNVT 2100</td>
<td>Network Security Software Fundamentals OR Basic Voice Over Internet Protocol (VoIP)</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1000</td>
<td>Computer Repair A+ Hardware</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1010</td>
<td>Computer Repair A+ Software</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1200</td>
<td>Introduction to Wireless</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1810</td>
<td>Networking Technology</td>
<td>Offered in seven-and-a-half week sections.</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1820</td>
<td>Intermediate Networking</td>
<td>Offered in seven-and-a-half week sections. CNVT 1810 must be taken prior to CNVT 1820.</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1830</td>
<td>LAN Design and Management</td>
<td>Offered in seven-and-a-half week sections. CNVT 1820 must be taken prior to CNVT 1830. Computer Networking Technology track students must take the seven-and-a-half week sections of these courses</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1840</td>
<td>WAN Design and Management</td>
<td>Offered in seven-and-a-half week sections. CNVT 1830 must be taken prior to CNVT 1840. Computer Networking Technology track students must take the seven-and-a-half week sections of these courses</td>
<td>3</td>
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</tbody>
</table>

**Total Major Core Requirements Credits** 27

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**In addition to general education and core program requirements, students must complete courses in their chosen concentration.**

### Computer Networking Technology Concentration Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNVT 2200</td>
<td>Network Security Hardware</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Complete two of the following courses:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNVT 2010</td>
<td>Cisco CCNP Route</td>
<td>This course is offered in the Spring semester only.</td>
<td>5</td>
</tr>
<tr>
<td>CNVT 2030</td>
<td>Cisco CCNP Switch</td>
<td>This course is offered in the Fall semester only.</td>
<td>5</td>
</tr>
<tr>
<td>CNVT 2060</td>
<td>CCNP TSHOOT: Cisco IP Network</td>
<td>This course is offered on a demand basis.</td>
<td>5</td>
</tr>
</tbody>
</table>

**Total Computer Networking Technology Concentration Requirements Credits** 19

**Total Program Credits 63**
Computer Programming Concentration (CPCT)

Certificate in Computer Studies and Information Processing (CERT_COMI)

Knight Campus, Warwick only

The Computer Programming concentration emphasizes technical coursework only, and does not require the electives needed for the associate degree option. This certificate prepares students for programming positions and gives a broader knowledge of information technology.

**Note:** To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of C or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

**RECOMMENDED COURSE SEQUENCE**

- Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

**Certificate Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software OR</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR COMI 1840</td>
<td>Windows Server</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design &amp; Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMP 2430</td>
<td>Operating Systems</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends taking COMP 1230 in final semester.</td>
<td>4</td>
</tr>
</tbody>
</table>

**Programming Language Sequence**

- Computer Studies Department recommends COMI 1150 as a prerequisite.
- Take six-credit sequence of COMI 1510, 2510 OR COMI 1225, 2225

**Programming Language Electives**

- Computer Studies Department recommends COMI 1150 as a prerequisite.
- Take six credits from programming attribute PROG. See this page.

**COMI/COMP/CNVT**

- Take three credits from COMI/COMP/CNVT courses.
  - See course descriptions.
  - 3

**Total Certificate Requirements Credits**

- 36

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**Total Program Credits**

- 36
Computer Programming Degree (CPRD)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only

The Computer Programming concentration prepares students to enter a modern programming environment. The program stresses problem definition and solution design using different programming languages in the development of applications.

**Note:** All students must obtain a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

**RECOMMENDED COURSE SEQUENCE**

**General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010 OR 2100</td>
<td>Composition I OR Technical Writing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities, Math/Science OR Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute. MATH 1139 or above recommended.</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MATH Elective</td>
<td></td>
<td>For students who plan to transfer to a four-year institution, choose from: MATH 1139, 1200, 2077, 2110, 2111, 2138, 2141, 2142, 2243, 2362 *Note: Most baccalaureate Computer Science Programs will have a Calculus requirement. For students who do not plan to transfer, choose from: MATH 1139, 1200, 1240, 1241, 2077, 2110, 2111, 2138, 2141, 2142</td>
<td></td>
</tr>
<tr>
<td>Math/Science OR Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the MSCI or SSCI attribute. MATH 1139 or above recommended.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the SSCI attribute.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total General Education Requirements Credits</strong></td>
<td></td>
<td></td>
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## Major Requirements

<table>
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<tr>
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<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design &amp; Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMP 2430</td>
<td>Operating Systems</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>COMI 1800 OR 1840</td>
<td>Computer Networking Software OR Windows Server</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends COMP 1230 in final semester.</td>
<td>4</td>
</tr>
</tbody>
</table>

**Programming Language Sequence**

- Take six credit sequence of COMI 1510, 2510 OR COMI 1225, 2225
- Computer Studies Department recommends COMI 1150 as a prerequisite.

**Programming Language Electives**

- Take six credits from programming attribute PROG.

**Electives**

- Take any six credits from COMI/COMP/CNVT. See suggested electives below.

**ACCT, BUSN OR LAWS Elective**

- Select three credits from Accounting, Business, Law Enforcement OR Legal Studies.
- See course descriptions.

### Total Major Requirements Credits

|                                      | 42 |

### Total Program Credits

63

**Suggested electives for Database emphasis**

COMI 1225, 1260, 2010, 2036

**Students planning to transfer to RIC or URI should please check the recommendations on this page.**
Computer Studies and Information Processing

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Please visit this page for detailed information about transfer from CCRI to RIC and URI.

RECOMMENDED COURSE SEQUENCE

• First semester: COMI 1100, 1150
• Second semester: Programming Elective, COMP 1200
• Third semester: COMI 1800 OR 1840, COMI 1510
• Fourth semester: COMI 2510, COMP 1230

Take other required major courses in any sequence.

OTHER CONSIDERATIONS

If possible, use the inter-institutional agreement to take these courses.

• RIC courses: CSCI 312 (Prerequisite: COMI 2510)
• URI courses: CSC 110 (no prerequisite), CSC 212 (Prerequisite: COMI 2510)

GENERAL EDUCATION COURSES

• The Computer Studies Department's Computer Studies Transfer page contains links to documents that provide students helpful advice in choosing their general education courses to make sure they align best with the General Education requirements at RIC and URI.
Computer Support Specialist Concentration (XXXX)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only

Computers and networks continue to expand in all aspects of our personal activities to business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals, computer hardware, computer software and networking technology. Emphasis is placed on operating principles of hardware and software, networking models, operating systems, and industry standards along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure and troubleshoot basic PCs, local area networks (LANs) and basic information technology. Integrated into the program are courses that prepare students to sit for both the CompTIA A+ and the MCITP.

Note: Students in this program must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I OR Technical Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR 2100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking OR Oral Interpretation</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR COMM 1180</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1139</td>
<td>Mathematics for Liberal Arts Students OR College Algebra (or above)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR MATH 1200 (or above)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities, Math/Science OR Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute. MATH 1139 or above recommended.</td>
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Total General Education Requirements Credits 21
## Major Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNVT 1000</td>
<td>Computer Repair A+ Hardware</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1010</td>
<td>Computer Repair A+ Software</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 2300</td>
<td>Desktop Technician-Consumer</td>
<td>This course is offered in the Fall semester only.</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 2310</td>
<td>Desktop Technician-Business</td>
<td>This course is offered in the Spring semester only.</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1415</td>
<td>Personal Computer Operating System</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software Linux</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2020</td>
<td>Network Security Software Fundamentals</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2031</td>
<td>Computer Support: Concepts</td>
<td>This course is offered in the Fall semester only.</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2033</td>
<td>Computer Support: Tools and Techniques</td>
<td>This course is offered in the Spring semester only.</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2036</td>
<td>Introduction to Computer Ethics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2037</td>
<td>Introduction to Cybersecurity</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Take in final semester or with permission of instructor</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Major Requirements Credits**  

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
</table>

**Total Program Credits**  

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
</table>

41

62
Computer Support Technician Certificate (XXXX)

Computer Support Technician

Knight Campus, Warwick only
Computers continue to expand in all aspects of our personal activities to business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals, computer hardware, computer software and basic networking technology. Emphasis is placed on operating principles of hardware and software, operating systems, and industry standards along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure and troubleshoot basic PCs and basic information technology. Integrated into the program are courses that prepare students to sit for the CompTIA A+.

Note: Students in this program must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE
Semester 1: CNVT 1000; COMI 1800; COMI 2031
Semester 2: CNVT 1010; COMI 1840; COMI 2036

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNVT 1000</td>
<td>Computer Repair A+ Hardware</td>
<td></td>
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</tr>
<tr>
<td>CNVT 1010</td>
<td>Computer Repair A+ Software</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software Linux</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2031</td>
<td>Computer Support: Concepts</td>
<td>This course is offered in the Fall semester only.</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2036</td>
<td>Introduction to Computer Ethics</td>
<td></td>
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<tr>
<td></td>
<td>Total Certificate Requirements Credits</td>
<td></td>
<td>18</td>
</tr>
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</table>

Total Program Credits 18
Cybersecurity Degree (CYBR)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Available on all four campuses; daytime, evening or online.

The Cybersecurity program is designed to provide students with a strong foundation in the principles and methods of cybersecurity, as well as the fundamental knowledge and tools for applying security measures across a variety of network architectures and settings. In addition to serving as a strong foundation for pursuing a bachelor's degree in cybersecurity, this associate degree program will provide the educational background and hands-on training necessary to prepare students for entry in the cybersecurity sector. The curriculum includes a combination of general education, computer science and network technology courses to provide students with the knowledge, skills and training necessary for successful transition into a career in security, and to meet NSA and Centers of Academic Excellence core foundational content and standards.

Note: Students must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
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<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 2110</td>
<td>College Trigonometry</td>
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<td>3</td>
</tr>
<tr>
<td>MATH 1139</td>
<td>Mathematics for Liberal Arts Students</td>
<td></td>
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</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
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<tr>
<td>Humanities Elective</td>
<td>See this page for complete list of courses that fulfill the SSCI attribute.</td>
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</table>

Total General Education Requirements Credits 21

For students pursuing the Cybersecurity Defense Path, course requirements are: COMI 1150, COMI 2036, COMP 1200, CNVT 1810, CNVT 1820, CNVT 2200.
## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design &amp; Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2035</td>
<td>Introduction to Computer Forensics</td>
<td></td>
<td>3</td>
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<tr>
<td>COMI 2036</td>
<td>Introduction to Computer Ethics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2037</td>
<td>Introduction to Cybersecurity</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software Linux</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1810</td>
<td>Networking Technology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1820</td>
<td>Intermediate Networking</td>
<td>CNVT 1810 must be taken prior to CNVT 1820.</td>
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</tr>
<tr>
<td>CNVT 1830</td>
<td>LAN Design and Management</td>
<td>CNVT 1820 must be taken prior to CNVT 1830.</td>
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<tr>
<td>CNVT 2200</td>
<td>Network Security Hardware</td>
<td>CNVT 1820 must be taken prior to CNVT 2200.</td>
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<tr>
<td>CYBR 1100</td>
<td>Introductory Cyber Range Tools and Techniques</td>
<td></td>
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</tr>
<tr>
<td>COMP 2500</td>
<td>Cybersecurity Practicum/Capstone Course</td>
<td>COMP 2500 requires instructor permission</td>
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<tr>
<td>Programming Language Elective</td>
<td>Take three credits from programming attribute PROG. See this page.</td>
<td></td>
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</tbody>
</table>

Total Major Requirements Credits 40

Total Program Credits 61
General Information Processing Concentration (CMGC)

Certificate in Computer Studies and Information Processing (CERT_COMI)

Knight Campus, Warwick only

The General Information Processing concentration prepares students for careers in information technology. Certificate programs emphasize technical coursework only, and do not require the electives needed for the associate degree option.

**Note:** To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of C or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

**RECOMMENDED COURSE SEQUENCE**

- Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

**Certificate Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1450</td>
<td>WINDOWS Operating System</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends taking COMP 1230 in final semester.</td>
<td>4</td>
</tr>
</tbody>
</table>

**Programming Language Electives**

Take three credits from programming attribute PROG. See this page. Computer Studies Department recommends COMI 1150 as a prerequisite.

**Electives**

Take 20 credits from COMI, COMP, CNVT OR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT. See Course Descriptions.

Total Certificate Requirements Credits: 39

*Suggested electives for Security emphasis*

COMI 2020, 2035, 2036, 2037 OR take any COMI/COMP/CNVT to total 17 elective credits.
General Information Processing Concentration (CMGD)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only

The General Information Processing concentration prepares students for careers in information technology.

Note: Students must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I OR Technical Writing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR 2100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td>Any three credits of MATH (1005 or above)</td>
<td></td>
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</tbody>
</table>

| Humanities, Math/Science OR Social Science Elective | See this page for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute. | 6       |
| Math/Science OR Social Science Elective | See this page for complete list of courses that fulfill the MSCI or SSCI attribute. | 3       |

| Social Science Elective | See this page for complete list of courses that fulfill the SSCI attribute. | 3       |

Total General Education Requirements Credits | 21 |

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1450</td>
<td>WINDOWS Operating System</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends COMP 1230 in final semester.</td>
<td>4</td>
</tr>
</tbody>
</table>

Programming Language Elective

| Programming Language Elective | Computer Studies Department recommends COMI 1150 as a prerequisite. Take three credits from programming attribute PROG. See this page | 3       |

Electives

| Electives | Take 20 credits from COMI, COMP, CNVTOR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT. See Course Descriptions. | 20      |

Total Major Requirements Credits | 39 |

Total Program Credits 60
Suggested electives for Security emphasis

COMI 2020, 2035, 2036, 2037 OR take any COMI/COMP/CNVT to total 18 elective credits.
Network Support Technician Certificate (XXXX)

Network Support Technician

Knight Campus, Warwick only

Computers and networks continue to expand in all aspects of our personal activities to business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals, computer hardware, computer software and networking technology. Emphasis is placed on operating principles of networking, security, operating systems, and industry standards along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure and troubleshoot basic PCs and basic information technology. Integrated into the program are courses that prepare students to sit for the MCITP.

Note: Students in this program must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE
Semester 1: CNVT 2300; COMI 1150; COMI 2020
Semester 2: CNVT 2310; COMI 2033; COMI 2037

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>CNVT 2300</td>
<td>Desktop Technician-Consumer</td>
<td>This course is offered in the Fall semester only.</td>
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</tr>
<tr>
<td>CNVT 2310</td>
<td>Desktop Technician-Business</td>
<td>This course is offered in the Spring semester only.</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2020</td>
<td>Network Security Software Fundamentals</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2033</td>
<td>Computer Support: Tools and Techniques</td>
<td>This course is offered in the Spring semester only.</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2037</td>
<td>Introduction to Cybersecurity</td>
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</tr>
<tr>
<td>Total Certificate Requirements Credits</td>
<td></td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>
Networking Concentration (CMNC)

Certificate in Computer Studies and Information Processing (CERT_COMI)

Knight Campus, Warwick only

The Networking concentration prepares students for careers in modern office environments, emphasizing both client and server technologies. Certificate programs emphasize technical coursework only, and do not require the electives needed for the associate degree option.

Note: To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of C or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

• Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1451</td>
<td>Introduction to WINDOWS</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1475</td>
<td>Introduction to VISIO</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td></td>
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</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design &amp; Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1415</td>
<td>Personal Computer Operating System</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1461</td>
<td>Introduction to UNIX</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software Linux</td>
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<td>3</td>
</tr>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td></td>
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</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends taking COMP 1230 in final semester.</td>
<td>4</td>
</tr>
</tbody>
</table>

Programming Language Elective

Computer Studies Department recommends COMI 1150 as a prerequisite. Take three credits from programming attribute PROG. See this page.

COMI/COMP/CNVT

Take six credits from COMI/COMP/CNVT courses. See course descriptions.

Total Certificate Requirements Credits

35

Suggested electives for Network Security emphasis

COMI 2015, 2020, 2035, 2036, 2037 OR take any COMI/COMP/CNVT to total 17 elective credits.
Networking Concentration (CMND)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only
This concentration prepares students for careers in modern office environments, emphasizing both client and server technologies.

**Note:** Students enrolled in this program must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

**RECOMMENDED COURSE SEQUENCE**

### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I OR Technical Writing</td>
<td></td>
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<tr>
<td>OR 2100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
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</tr>
<tr>
<td>MATH Elective</td>
<td>Choose any three credits of math. MATH 1005 or above.</td>
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</tr>
<tr>
<td>Social Science Elective</td>
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<td>See this page for complete list of courses that fulfill the SSCI attribute.</td>
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<tr>
<td>Math/Science</td>
<td></td>
<td>See this page for complete list of courses that fulfill the MSCI or SSCI attribute. MATH 1139 or above recommended.</td>
<td>3</td>
</tr>
<tr>
<td>OR Social Science Elective</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities, Math/Science</td>
<td></td>
<td>See this page for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute. MATH 1139 or above recommended.</td>
<td>6</td>
</tr>
<tr>
<td>OR Social Science Elective</td>
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Total General Education Requirements Credits: 21
## Major Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td></td>
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<tr>
<td>COMI 1451</td>
<td>Introduction to WINDOWS</td>
<td></td>
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<tr>
<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
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</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1415</td>
<td>Personal Computer Operating System</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1461</td>
<td>Introduction to UNIX</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design &amp; Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software Linux</td>
<td></td>
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<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends taking COMP 1230 in final semester</td>
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**Programming Language Elective**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td></td>
<td>Computer Studies Department recommends COMI 1150 as a prerequisite</td>
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<tr>
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<td>Take three credits from programming attribute PROG.</td>
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**Electives**

<table>
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<tr>
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<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Take seven credits from COMI, COMP, CNVT. See suggested electives below</td>
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<tr>
<td></td>
<td>See Course Descriptions.</td>
<td></td>
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**ACCT, BUSN OR LAWS Elective**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Take three credits from Accounting, Business, Law Enforcement OR Legal Studies.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>See Course Descriptions.</td>
<td></td>
<td></td>
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</tbody>
</table>

**Total Major Requirements Credits**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Major Requirements</td>
<td></td>
<td>39</td>
</tr>
</tbody>
</table>

**Total Program Credits 60**

*Suggested electives for Network Security emphasis*

COMI 2020, 2035, 2036, 2037 OR take any COMI/COMP/CNVT to total seven elective credits.
Networking Technician Concentration (NWTC)

Certificate in Computer and Networking Technology (CERT_CNTD)

Knight Campus, Warwick only

Networks continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This concentration provides a balanced coverage of technology fundamentals and networking technology. Emphasis is placed on operating principles, networking models, operating systems, internetworking components and industry standards, along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure local area networks (LANs) and internetworks using routers and switches. Courses that prepare the student to sit for the Cisco CCENT and CCNA exams are integrated into the program.

Note: All courses in this certificate program can be applied to the Computer and Networking Technology A.A.S. degree (AAS_CNTD). Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: CNVT 1810, 1820; COMI 1840
- Second semester: CNVT 1830, 1840: CNVT 2100 OR COMI 2020

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td>For the Networking Technician concentration, students must take seven-and-a-half week versions of these courses.</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1810</td>
<td>Networking Technology</td>
<td>CNVT 1810 must be taken prior to CNVT 1820. For the Networking Technician concentration, students must take seven-and-a-half week versions of these courses.</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1820</td>
<td>Intermediate Networking</td>
<td>CNVT 1820 must be taken prior to CNVT 1830. Seven-and-a-half week courses</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1830</td>
<td>LAN Design and Management</td>
<td>CNVT 1820 must be taken prior to CNVT 1830. Seven-and-a-half week courses</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1840</td>
<td>WAN Design and Management</td>
<td>CNVT 1830 must be taken prior to CNVT 1840. Seven-and-a-half week courses</td>
<td>3</td>
</tr>
<tr>
<td><strong>CNVT 2100 OR COMI 2020</strong></td>
<td>Basic Voice Over Internet Protocol (VoIP) OR Network Security Software Fundamentals</td>
<td>See course descriptions. It is recommended to complete CNVT 1820 prior to CNVT 2100.</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Requirements Credits 18

Total Program Credits 18
Office Automation Concentration (OFFA)

Certificate in Computer Studies and Information Processing (CERT_COMI)

The Office Automation concentration prepares students for paperless office environments and enables proficiency managing a corporate office. Students gain strong English-language skills and learn current software and hardware to record, code, sort, calculate, summarize, store and communicate information. Certificate programs emphasize technical coursework only, and do not require the electives needed for the associate degree option.

**Note:** To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of C or better. Credits earned in this certificate program may be applied toward an associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

**RECOMMENDED COURSE SEQUENCE**
- Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

### Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1005</td>
<td>Business Mathematics</td>
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<tr>
<td>ENGL</td>
<td>Literature elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI/COMP/CNVT</td>
<td>Take eight credits from COMI/COMP/CNVT courses.</td>
<td>See Course Descriptions.</td>
<td>8</td>
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</tbody>
</table>

**Total Certificate Requirements Credits** 32

**Total Program Credits** 32
Web Technologies Concentration (CWTC)

Certificate in Computer Studies and Information Processing (CERT_COMI)

The Web Technologies concentration is designed for individuals who wish to pursue a career in a Web-related field and acquire the training and technical skill set that is necessary to prepare them for a career in a Web-related occupation. It is also ideal for those wishing to gain a broader knowledge of computer software and/or hardware. The certificate program emphasizes technical coursework only and does not require students to take electives that are required in the associate degree options.

**Note:** Students must obtain a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of C or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

### Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1450</td>
<td>WINDOWS Operating System</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1750</td>
<td>HTML (5)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1755</td>
<td>Fundamentals XML eXtensible Markup Language</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1770</td>
<td>Fundamentals of Website Development</td>
<td>Computer Studies Department recommends taking COMI 1150 and 1750 prior to COMI 1770.</td>
<td>3</td>
</tr>
</tbody>
</table>

**Programming Language Elective**

- Computer Studies Department recommends COMI 1150 as a prerequisite.
- Take three credits from programming Elective attribute PROG. See this page. (COMI 2010 is recommended.)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends taking COMP 1230 in final semester.</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives**

- Take 12 credits from COMI, COMP, CNVT
- CNVTOR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT. See Course Descriptions.

**Total Certificate Requirements Credits**

<table>
<thead>
<tr>
<th>Total Certificate Requirements Credits</th>
<th>39</th>
</tr>
</thead>
</table>

**Total Program Credits**

<table>
<thead>
<tr>
<th>Total Program Credits</th>
<th>39</th>
</tr>
</thead>
</table>
Web Technologies Concentration (CWTD)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only

This concentration is designed for individuals who wish to acquire the training necessary to prepare them for a position in the field of Web programming or gain a broader knowledge of computer software and/or hardware.

Note: Students in this program must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I OR Technical Writing</td>
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<tr>
<td>OR 2100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
<td></td>
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<tr>
<td>MATH Elective</td>
<td>Choose any three credits of math. MATH 1005 or above.</td>
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</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the SSCI attribute.</td>
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</tr>
<tr>
<td>Math/Science OR Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the MSCI or SSCI attribute. MATH 1139 or above recommended.</td>
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</tr>
<tr>
<td>Humanities, Math/Science OR Social Science Elective</td>
<td>See this page for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
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Total General Education Requirements Credits | 21 |
## Major Requirements

<table>
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<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1450</td>
<td>WINDOWS Operating System</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1750</td>
<td>HTML (5)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1755</td>
<td>Fundamentals XML eXtensible Markup Language</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1770</td>
<td>Fundamentals of Website Development</td>
<td>Computer Studies Department recommends taking COMI 1150 and 1750 prior to COMI 1770.</td>
<td>3</td>
</tr>
<tr>
<td>COMP 1230</td>
<td>Systems Analysis and Design</td>
<td>Computer Studies Department recommends taking COMP 1230 in final semester.</td>
<td>4</td>
</tr>
<tr>
<td>Programming Language Elective</td>
<td></td>
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</tr>
<tr>
<td>Electives</td>
<td></td>
<td>Take 12 credits from COMI, COMP, CNVT OR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT.</td>
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</tbody>
</table>

### Total Major Requirements Credits
39

### Total Program Credits
60
Physics and Engineering

PROGRAMS

The Department of Physics and Engineering offers an array of associate degree and certificate programs to provide students with the skills and foundation for careers and advancement in engineering, engineering technology, and advanced manufacturing technology.

The Department offers three associate degree and six related certificate programs. Three certificates and four concentration tracks can lead to the Engineering Systems Technology associate degree. The Engineering Transfer associate degree transfers to most engineering bachelor degree programs and offers nine concentration tracks.

Three certificates can lead to the Advanced Manufacturing Technology associate degree.

- **Associate Degree Programs**
  - Associate in Science Degree in Engineering Concentrations (AS_ENGN)
    - Biomedical (ENBI)
    - Chemical (ENCH)
    - Chem-Biology (ENBC)
    - Civil (ENCI)
    - Computer (ENCM)
    - Electrical (ENEL)
    - Industrial (ENIN)
    - Mechanical (ENME)
    - Ocean (ENOC)
  - Associate in Science in Engineering Systems Technology Concentrations (AS_ETST)
    - CNC Manufacturing (ETCT)
    - Electrical (ETET)
    - Energy Utility (ETPT)
    - Mechanical (ETMT)
  - Associate in Science in Advanced Manufacturing Technology (AS_ETMA)
    - Advanced Manufacturing Technology Degree (ETMA)

- **Certificate Programs**
  - Certificate in Engineering Systems Technology Concentrations
    - Introduction to CNC Manufacturing (ETCI)
    - Energy Utility Technology (ETUT)
    - CNC Manufacturing and 3D-Modeling (ETCA)
  - Certificate in Advanced Manufacturing Technology Concentrations
    - Manufacturing Design and Rapid Prototyping (ETMD)
    - Advanced Manufacturing Machining (ETMM)
    - Manufacturing Automation and Quality (ETMQ)

**Electrical Concentration (ENEL)**

**Associate in Science Degree in Engineering (AS_ENGN)**

Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.
Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tbody>
<tr>
<td>CHEM 1030</td>
<td>General Chemistry I</td>
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<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
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<td>3</td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
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<tr>
<td>MATH 2141</td>
<td>Calculus I</td>
<td></td>
<td>4</td>
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<tr>
<td>MATH 2142</td>
<td>Calculus II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 2243</td>
<td>Calculus III</td>
<td></td>
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</tr>
<tr>
<td>MATH 2362</td>
<td>Advanced Engineering Mathematics</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1100</td>
<td>Engineering Physics</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Humanities OR Social Science Electives</td>
<td>See this page for complete listing of courses that fulfill the HUMN or SSCI attribute.</td>
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</table>

Total General Education Requirements Credits 37

### Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering &amp; Technology</td>
<td></td>
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<tr>
<td>ENGR 2160</td>
<td>Introduction to Engineering Analysis</td>
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</table>

Total Core Requirements Credits 5

### Electrical (ENEL)

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
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<td>3</td>
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<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
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<tr>
<td>ENGR 2320</td>
<td>Digital Electronics</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2520</td>
<td>Microprocessor &amp; Microcomputers</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit Theory for Engineers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2621</td>
<td>Linear Circuits Lab</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MATH 1220</td>
<td>Scientific Programming</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2110</td>
<td>Topics in Acoustics, Optics and Thermodynamics</td>
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</tr>
<tr>
<td>PHYS 2111</td>
<td>Introduction to Acoustics and Optics Laboratory</td>
<td></td>
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</table>

Total Electrical (ENEL) Credits 24

Total Program Credits 66
Advanced Manufacturing Machining Concentration (ETMM)

Certificate in Engineering Systems Technology (CERT_ETMA)

Knight Campus, Warwick only

This certificate program gives students extensive hands-on experience with manual, conversational and computer numerical control (CNC) machines. Emphasis will be placed on safe and efficient setup and operation of industrial-grade machining equipment. Overall, the program will prepare students to read blueprints, select appropriate machining technology and produce a unit that meets design specifications. All credits can be applied to the Associate in Science Degree in Advanced Manufacturing Technology.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETME 1020</td>
<td>Introduction to Manufacturing Processes</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1100</td>
<td>Blueprint Reading and the Machinery's Handbook</td>
<td>Seven-and-a-half week course</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2000</td>
<td>Advanced Machining Skills</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1300</td>
<td>CNC Machining I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2100</td>
<td>Computer Aided Manufacturing</td>
<td>Seven-and-a-half week course</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2200</td>
<td>CNC Machining II</td>
<td>Seven-and-a-half week course</td>
<td>3</td>
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<tr>
<td>ETCN 2400</td>
<td>Industry and OSHA-10 Seminars</td>
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<tr>
<td></td>
<td>Total Certificate Requirements Credits</td>
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<td>19</td>
</tr>
</tbody>
</table>

Total Program Credits 19
Advanced Manufacturing Technology Degree (ETMA)

Associate in Science in Advanced Manufacturing Technology (AS_ETMA)

Knight Campus, Warwick only

Modern advanced manufacturing has been revolutionized by the use of computers for design, machining and automation. Today almost all product and component design uses computer-aided design (CAD) and computer-aided manufacturing (CAM) programs. The manufacturing process uses computers to control all aspects of subtractive and additive manufacturing (3-D printing). Computer numerical control (CNC) machining is at the heart of advanced manufacturing and the production of complex components accurately and efficiently. Advanced manufacturing also uses computers to control materials, inspection, quality assurance and distribution of finished products.

This program will provide students with extensive hands-on laboratory experience, and the basic skills and knowledge for employment in a variety of advanced manufacturing positions. The program will cover areas of science and mathematics and their applications to machining practices and CNC programming, and places emphasis on both theoretical and practical phases of the design, cost, quality and production of machined parts.

This associate degree is linked to three certificates or tracks: Manufacturing Design and Rapid Prototyping (ETMD), Advanced Machining Skills (ETMM) and Manufacturing Automation and Quality (ETMQ). Students can start their studies with one or more of the certificates or have all credits apply to the associate degree. The degree path requires prerequisites of MATH 0101 and ENGL 1005. Full-time students can expect to complete this program in five semesters.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1179</td>
<td>Applied Technical Mathematics I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1181</td>
<td>Applied Technical Mathematics II</td>
<td></td>
<td>3</td>
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<tr>
<td>PHYS 1050</td>
<td>Physics for Technology I</td>
<td></td>
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<tr>
<td>PHYS 1070</td>
<td>Introduction to Renewable Energy</td>
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<tr>
<td>PSYC 1050</td>
<td>Psychology in the Workplace</td>
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<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
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Total General Education Requirements Credits 22

Core Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
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<tr>
<td>ETME 1020</td>
<td>Introduction to Manufacturing Processes</td>
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<td>3</td>
</tr>
<tr>
<td>ETCN 1100</td>
<td>Blueprint Reading and the Machinery's Handbook</td>
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<td>Introduction to Digital Systems</td>
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<td>ETCN 2250</td>
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Total Core Requirements Credits 31

Choose at least twelve (12) elective requirement credits:
### Elective Requirements

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<td>Advanced Machining Skills</td>
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<td>ETME 2310</td>
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Total Program Credits 65-79
Biomedical Concentration (ENBI)

Associate in Science Degree in Engineering (AS_ENGN)

Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

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<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tr>
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<td>Calculus III</td>
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<td>PHYS 1100</td>
<td>Engineering Physics</td>
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Humanities OR Social Science Electives

See this page for complete listing of courses that fulfill the HUMN or SSCI attribute.

3

Total General Education Requirements Credits

34

Core Requirements

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<td>Introduction to Engineering &amp; Technology</td>
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Total Core Requirements Credits

5
Biomedical (ENBI)

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<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
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<td>Lab</td>
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<td>Digital Electronics</td>
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<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit Theory for Engineers</td>
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<td>CHM124</td>
<td>Introduction to Organic Chemistry (URI)</td>
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Total Biomedical (ENBI) Credits 29

Total Program Credits 68
CNC Manufacturing Concentration (ETCT)

Associate in Science in Engineering Systems Technology (AS_ETST)

Knight Campus, Warwick only
Developing the skills and knowledge to support today’s complex technology requires a shift to a systems engineering approach. Systems engineering is an interdisciplinary view of complex systems that considers customer needs, product functionality, operation, performance, testing and manufacturing. This program incorporates system modeling, simulation, automation, robotics, electronics, digital systems, networking, machine design and electrical power. Emphasis is placed upon understanding the principles of electromechanical systems, automation, system control, machine design and energy systems. Students will develop skills in creative problem solving, design principles, machine programming, computer networking and system troubleshooting.

Throughout the program, students will be required to produce written reports, verbal presentations and portfolio entries; function in teams and complete a capstone project. The program is structured around a set of core technology courses and four concentration areas – electrical, mechanical, energy or manufacturing technology. The program will prepare students to be employed in a variety of technical support positions in the fields of electronics, electromechanical systems, automation, manufacturing, renewable energy technologies and the energy utility industry.

Three certificates and four concentration tracks can lead to the Engineering Systems Technology Associate Degree. All certificate courses map to the degree concentration track with no credit loss. This gives students the opportunity to start at the certificate level, increase employment opportunities while attending classes, and work toward the associate degree on a full or part-time basis.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

<table>
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<td>Physics for Technology I</td>
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<td>PHYS 1070</td>
<td>Introduction to Renewable Energy</td>
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See this page for complete listing of courses that meet this requirement

Total General Education Requirements Credits 22

Core Requirements

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<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
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<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
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<td>ETME 1010</td>
<td>Robotics and Control</td>
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<td>ETME 1020</td>
<td>Introduction to Manufacturing Processes</td>
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<td>ETME 2310</td>
<td>Automation Systems</td>
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Total Core Requirements Credits 15
## CNC Manufacturing Technology (ETCT)

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<td>Engineering Graphics</td>
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<td>ETCN 1100</td>
<td>Blueprint Reading and the Machinery's Handbook</td>
<td>Seven-and-a-half week course</td>
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<td>ETCN 1200</td>
<td>Precision Measurement and Geometric Dimensioning and Tolerance</td>
<td>Seven-and-a-half week course</td>
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<td>ENGT 2090</td>
<td>Advanced Solid Modeling</td>
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<td>ETCN 1300</td>
<td>CNC Machining I</td>
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<td>ETCN 2300</td>
<td>3D-Modeling and Prototyping</td>
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<td>Computer Numerical Control (CNC) Practicum/Capstone</td>
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Total CNC Manufacturing Technology (ETCT) Credits 28

Total Program Credits 65
CNC Manufacturing and 3D-Modeling Concentration (ETCA)

Certificate in Engineering Systems Technology (CERT_ETST)

Knight Campus, Warwick only

To enroll in this certificate program, students must have successfully completed the Introduction to CNC Manufacturing concentration (ETCI). See Introduction to CNC Manufacturing Concentration for more information.

Today modern manufacturing depends upon the use of computers, robots, CNC and 3D-printing technology and digital technology and PLCs. This program builds on the basic skills and knowledge developed in the Introduction to CNC Manufacturing certificate (ETCI). The certificate will increase CNC programming skills and introduce the concepts of rapid prototyping, digital direct manufacturing and the use of 3D-laser scanning and 3D-printing. The courses will make extensive use of 3D-modeling with SolidWorks, tool control with G and M codes and MasterCam. Students will also develop a basic understanding of digital systems and the programming of PLCs. The final course is a capstone course, requiring 140 hours of an industry practicum or internship.

The certificate can be completed in one spring semester, or one fall and one spring semester. The accelerated one-spring semester version requires attending classes four days a week. The combination of the two certificates, ETCI and ETCA, can be applied toward the Engineering Systems Technology A.S. degree without a loss of credit.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE (accelerated version)
- Spring semester: ETCN 2100, 2200, 2300, 2500; ETEE 1800

Certificate Requirements

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<td>ETCN 2300</td>
<td>3D-Modeling and Prototyping</td>
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<td>Computer Aided Manufacturing</td>
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<td>CNC Machining II</td>
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<td>ETCN 2500</td>
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Total Certificate Requirements Credits 16

| Total Program Credits | 16 |
Chem-Biology Concentration (ENBC)

Associate in Science Degree in Engineering (AS_ENGN)

Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

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<td>Principles of Microeconomics</td>
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<td>Composition I</td>
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<td>MATH 2362</td>
<td>Advanced Engineering Mathematics</td>
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Total General Education Requirements Credits: 34

Core Requirements

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Total Core Requirements Credits: 5
# Chem-Biology (ENBC)

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<td>CHEM 1100</td>
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<td>CHE 212</td>
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**General Education Elective**

See this page for complete listing of courses that meet this requirement.

Total Chem-Biology (ENBC) Credits: 35

Total Program Credits: 74
Chemical Concentration (ENCH)

Associate in Science Degree in Engineering (AS_ENGN)

Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

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Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

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<td>MATH 2362</td>
<td>Advanced Engineering Mathematics</td>
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Total General Education Requirements Credits 34

Core Requirements

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<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<td>ENGR 1020</td>
<td>Introduction to Engineering &amp; Technology</td>
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Total Core Requirements Credits 5
## Chemical Concentration (ENCH)

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<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
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<td>Chemical Process Calculations</td>
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<td>CHE 272</td>
<td>Introduction to Chemical Engineering Calculations</td>
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<td>Materials Science and Engineering</td>
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**Total Chemical Concentration (ENCH) Credits** 27

Total Program Credits 66
Civil Concentration (ENCI)

Associate in Science Degree in Engineering (AS_ENGN)

Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

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<td>Calculus II</td>
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<td>MATH 2243</td>
<td>Calculus III</td>
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<td>MATH 2362</td>
<td>Advanced Engineering Mathematics</td>
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Total General Education Requirements Credits: 34

Core Requirements

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<td>Introduction to Engineering Analysis</td>
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Total Core Requirements Credits: 5

See description of the agreement on this page.
## Civil Concentration (ENCI)

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<td>Engineering Mechanics Dynamics</td>
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<td>Introduction to Electrical Engineering</td>
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Total Civil Concentration (ENCI) Credits 34

Total Program Credits 73
Computer Concentration (ENCM)

Associate in Science Degree in Engineering (AS_ENGN)

Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session. Additionally, entrance to the computer concentration requires completion of CCRI Programming Concepts (COMI 1150) in order to place into Java Programming (COMI 1510), a required course in the concentration.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

### General Education Requirements

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<td>Composition I</td>
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<td>Calculus II</td>
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<td>MATH 2243</td>
<td>Calculus III</td>
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<td>MATH 2362</td>
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Total General Education Requirements Credits 34

### Core Requirements

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Total Core Requirements Credits 5
## Computer Concentration (ENCM)

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<td>ENGR 2320</td>
<td>Digital Electronics</td>
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<td>ENGR 2520</td>
<td>Microprocessor &amp; Microcomputers</td>
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## Electrical Concentration (ETET)

### Associate in Science in Engineering Systems Technology (AS_ETST)

Knight Campus, Warwick only

Developing the skills and knowledge to support today’s complex technology requires a shift to a systems engineering approach. Systems engineering is an interdisciplinary view of complex systems that considers customer needs, product functionality, operation, performance, testing and manufacturing. This program incorporates system modeling, simulation, automation, robotics, electronics, digital systems, networking, machine design and electrical power. Emphasis is placed upon understanding the principles of electromechanical systems, automation, system control, machine design and energy systems. Students will develop skills in creative problem solving, design principles, machine programming, computer networking and system troubleshooting.

Throughout the program, students will be required to produce written reports, verbal presentations and portfolio entries; function in teams and complete a capstone project. The program is structured around a set of core technology courses and four concentration areas – electrical, mechanical, energy or manufacturing technology. The program will prepare students to be employed in a variety of technical support positions in the fields of electronics, electromechanical systems, automation, manufacturing, renewable energy technologies and the energy utility industry.

Three certificates and four concentration tracks can lead to the Engineering Systems Technology Associate Degree. All certificate courses map to the degree concentration track with no credit loss. This gives students the opportunity to start at the certificate level, increase employment opportunities while attending classes, and work toward the associate degree on a full or part-time basis.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

### General Education Requirements

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<td>PHYS 1050</td>
<td>Physics for Technology I</td>
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Total General Education Requirements Credits 22

### Core Requirements

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<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
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<td>ETME 1010</td>
<td>Robotics and Control</td>
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<td>Introduction to Manufacturing Processes</td>
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Total Core Requirements Credits 15
## Electrical (ETET)

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Total Program Credits 64
Energy Utility Concentration (ETPT)

Associate in Science in Engineering Systems Technology (AS_ETST)

Knight Campus, Warwick only

Developing the skills and knowledge to support today’s complex technology requires a shift to a systems engineering approach. Systems engineering is an interdisciplinary view of complex systems that considers customer needs, product functionality, operation, performance, testing and manufacturing. This program incorporates system modeling, simulation, automation, robotics, electronics, digital systems, networking, machine design and electrical power. Emphasis is placed upon understanding the principles of electromechanical systems, automation, system control, machine design and energy systems. Students will develop skills in creative problem solving, design principles, machine programming, computer networking and system troubleshooting.

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Three certificates and four concentration tracks can lead to the Engineering Systems Technology Associate Degree. All certificate courses map to the degree concentration track with no credit loss. This gives students the opportunity to start at the certificate level, increase employment opportunities while attending classes, and work toward the associate degree on a full or part-time basis.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

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Social Science Electives

See this page for complete listing of courses that meet this requirement

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## Energy Utility Technology (ETPT)

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<td>Introduction to Energy Utility Industry</td>
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</tr>
<tr>
<td>ETEE 1500</td>
<td>Electrical Systems I (Formerly ETEK 1060)</td>
<td>Seven-and-a-half week course</td>
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</tr>
<tr>
<td>ETEE 1120</td>
<td>Electronic Devices &amp; Circuits (Formerly ETEK 1120)</td>
<td></td>
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<tr>
<td>ETEE 2390</td>
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<td>Seven-and-a-half week course</td>
<td>3</td>
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<tr>
<td>CNVT 1810</td>
<td>Networking Technology</td>
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</tr>
<tr>
<td>CNVT 1200</td>
<td>Introduction to Wireless</td>
<td></td>
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</tr>
<tr>
<td>ETUT 2500</td>
<td>Energy Industry Practicum and Capstone</td>
<td></td>
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</tbody>
</table>

Total Energy Utility Technology (ETPT) Credits 27

Total Program Credits 64
Energy Utility Technology Concentration (ETUT)

Certificate in Engineering Systems Technology (CERT_ETST)

Knight Campus, Warwick only

This concentration program provides students with a core set of skills and competencies required by the energy industry. Coursework covers technical math, safety, AC and DC circuits and controls, the business side of the energy industry, operations and technology. Workplace readiness skills are integrated into the curriculum including critical thinking, problem solving, time management and teamwork. Hands-on training is provided through a nine-week field practicum (one day per week/eight hours per day) where students apply theoretical classroom knowledge in a real-world environment. Students are required to complete experiments with lab reports, special projects and a portfolio illustrating key learning outcomes.

At the present time, National Grid can accommodate the first 20 students accepted into the program for its practicum. All other students will be assigned an alternate practicum.

This program is offered as a full-time, daytime program, starting in the fall semester. Some courses can be taken in the evening. Full-time students can complete the certificate in as little as two semesters. All credits earned for the certificate will apply towards the Engineering Systems Technology A.S. degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: ETEE 1050, 1800; ETUT 1060, 1160; MATH 1179
- Second semester: ETEE 1500, 2390; ETUT 2500; PHYS 1070

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
<td>3</td>
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<tr>
<td>ETEE 1500</td>
<td>Electrical Systems I (Formerly ETEK 1060)</td>
<td>Seven-and-a-half week course</td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ETEE 2390</td>
<td>Electrical Power Systems (Formerly ETEK 2390)</td>
<td>Seven-and-a-half week course</td>
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<td>ETUT 1060</td>
<td>Energy Industry Safety</td>
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<td>ETUT 1160</td>
<td>Introduction to Energy Utility Industry</td>
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<td>ETUT 2500</td>
<td>Energy Industry Practicum and Capstone</td>
<td>3</td>
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<tr>
<td>MATH 1179</td>
<td>Applied Technical Mathematics I</td>
<td>3</td>
<td></td>
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<tr>
<td>PHYS 1070</td>
<td>Introduction to Renewable Energy</td>
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<td>Total Certificate Requirements Credits</td>
<td>27</td>
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</table>

Total Program Credits 27
Industrial Concentration (ENIN)

Associate in Science Degree in Engineering (AS_ENGN)

Knight Campus, Warwick only
Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>CHEM 1030</td>
<td>General Chemistry I</td>
<td></td>
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<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
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<td>MATH 2141</td>
<td>Calculus I</td>
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<tr>
<td>MATH 2142</td>
<td>Calculus II</td>
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<td>MATH 2243</td>
<td>Calculus III</td>
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<td>MATH 2362</td>
<td>Advanced Engineering Mathematics</td>
<td></td>
<td>4</td>
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<tr>
<td>PHYS 1100</td>
<td>Engineering Physics</td>
<td></td>
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<tr>
<td>Humanities OR Social Science Electives</td>
<td>See this page for complete listing of courses that fulfill the HUMN or SSCI attribute.</td>
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Total General Education Requirements Credits 34

Core Requirements

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<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering &amp; Technology</td>
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<td>ENGR 2160</td>
<td>Introduction to Engineering Analysis</td>
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Total Core Requirements Credits 5
## Industrial (ENIN)

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<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
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<td>ENGR 2050</td>
<td>Engineering Mechanics Statics</td>
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<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
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<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
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<td><strong>Choose two (2) of the following:</strong></td>
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<tr>
<td>ENGR 2540</td>
<td>Mechanics of Materials for Engineering</td>
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<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit</td>
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<tr>
<td>ENGR 2660</td>
<td>Theory for Engineers (3) AND/OR</td>
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<tr>
<td></td>
<td>Engineering Mechanics Dynamics (3)</td>
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<td><strong>Choose one (1) of the following:</strong></td>
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<tr>
<td>BIOL 1005</td>
<td>Biology in the Modern World (4) OR</td>
<td></td>
<td>4</td>
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<tr>
<td>CHEM 1100</td>
<td>General Chemistry II (5) OR</td>
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<tr>
<td>PHYS 2110</td>
<td>Topics in Acoustics, Optics and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 2111</td>
<td>Thermodynamics (3) AND Introduction</td>
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<td></td>
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<tr>
<td></td>
<td>to Acoustics and Optics Laboratory (1)</td>
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<td>EGR 316G</td>
<td>Engineering Ethics (URI)</td>
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<tr>
<td>ISE 240</td>
<td>Manufacturing Processes and Systems</td>
<td>(URI)</td>
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<tr>
<td>ISE 241</td>
<td>Manufacturing Processes and Systems Lab</td>
<td>(URI)</td>
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<td>ISE 261G</td>
<td>Sustainable Lean Production (URI)</td>
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<td></td>
<td><strong>Total Program Credits 69-70</strong></td>
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</tbody>
</table>
Introduction to CNC Manufacturing Concentration (ETCI)

Certificate in Engineering Systems Technology (CERT_ETST)

Knight Campus, Warwick only

Companies are integrating computers into engineering and manufacturing environments at a rapid pace. At the heart of advanced manufacturing is CNC machining and the computer applications that support the design and manufacturing process. This program builds the basic skills and knowledge for employment opportunities in the CNC manufacturing environment. The certificate covers areas of science and mathematics as they apply to machining practices and CNC programming. Emphasis is placed on both theoretical and practical phases of the design, cost and production of machine parts.

The certificate can be completed in a summer and fall semester, or in a summer, fall and spring semester. The certificate courses are offered in the day and evening. The accelerated summer-fall version will require attending classes four days a week. Certificate completion prepares students to enroll in a second, more advanced CNC-centered certificate – CNC Manufacturing and 3D-Modeling (ETCA). The combination of the two certificates, ETCI and ETCA, can be applied toward the Engineering Systems Technology A.S. degree (ETCT) and the Advanced Manufacturing Technology (ETMA) without a loss of credit.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE (accelerated version)

- Summer semester: ENGR 1030
- Fall semester: ENGT 2090; ETME 1020; ETCN 1100, 1200, 1300

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
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<tr>
<td>ETME 1020</td>
<td>Introduction to Manufacturing Processes</td>
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<tr>
<td>ETCN 1100</td>
<td>Blueprint Reading and the Machinery's Handbook</td>
<td>Seven-and-a-half week course</td>
<td>3</td>
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<tr>
<td>ETCN 1200</td>
<td>Precision Measurement and Geometric Dimensioning and Tolerance</td>
<td>Seven-and-a-half week course</td>
<td>3</td>
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<tr>
<td>ENGT 2090</td>
<td>Advanced Solid Modeling</td>
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<td>3</td>
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<tr>
<td>ETCN 1300</td>
<td>CNC Machining I</td>
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<tr>
<td>Total Certificate Requirements Credits</td>
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</table>

Total Program Credits 18
Manufacturing Automation and Quality Concentration (ETMQ)

Certificate in Engineering Systems Technology (CERT_ETMA)

Knight Campus, Warwick only

The Manufacturing Automation and Quality certificate teaches students to measure the quality of manufactured products and develop efficient manufacturing processes. Students will gain experience with a variety of advanced manufacturing technologies, including wire EDM, plasma cutting, 3-D printing and laser cutting.

The program has been designed to provide the student with extensive hands-on laboratory experience using a recently renovated laboratory. This experience will maximize the skills advocated by the college’s manufacturing advisory board. The student will receive an OSHA10 certification and the opportunity to attend four industry presentations.

All credits can be applied to the Associate in Science degree in Advanced Manufacturing Technology.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ETCN 1200</td>
<td>Precision Measurement and Geometric Dimensioning and Tolerance</td>
<td>Seven-and-a-half week course</td>
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<tr>
<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
<td></td>
<td>3</td>
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<tr>
<td>ETCN 2350</td>
<td>Automated Machining Technology</td>
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</tr>
<tr>
<td>ETME 1010</td>
<td>Robotics and Control</td>
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<tr>
<td>ETME 2310</td>
<td>Automation Systems</td>
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<tr>
<td>ETCN 2250</td>
<td>Lean Manufacturing</td>
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<tr>
<td>ETCN 2400</td>
<td>Industry and OSHA-10 Seminars</td>
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<tr>
<td>Total Certificate Requirements credits</td>
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</tbody>
</table>

Total Program Credits 18
Manufacturing Design and Rapid Prototyping Concentration (ETMD)

Certificate in Engineering Systems Technology (CERT_ETMA)

Knight Campus, Warwick only

Students in this certificate program develop the knowledge and skills to prepare files and drawings for a variety of mechanical devices and components. Students learn contemporary CAD software to produce files suitable for machining and 3-D printing. Emphasis will be placed on designing for advanced manufacturing technology, rapid prototyping using 3-D printers and mechanical simulation. All credits can be applied to the Associate in Science Degree in Advanced Manufacturing Technology.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
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</tr>
<tr>
<td>ETCN 1100</td>
<td>Blueprint Reading and the Machinery's Handbook</td>
<td>Seven-and-a-half week course</td>
<td>3</td>
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<tr>
<td>ETME 1020</td>
<td>Introduction to Manufacturing Processes</td>
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</tr>
<tr>
<td>ENGT 1060</td>
<td>AutoCAD (Basic)</td>
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<td>ENGT 2090</td>
<td>Advanced Solid Modeling</td>
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<tr>
<td>ETCN 1000</td>
<td>Mechanical Industrial Design</td>
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<tr>
<td>ETCN 2300</td>
<td>3D-Modeling and Prototyping</td>
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</table>

Total Certificate Requirements Credits 20

Total Program Credits 20
Mechanical Concentration (ENME)

Associate in Science Degree in Engineering (AS_ENGN)

Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>CHEM 1030</td>
<td>General Chemistry I</td>
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<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
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<td>ENGL 1010</td>
<td>Composition I</td>
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<tr>
<td>MATH 2141</td>
<td>Calculus I</td>
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<td>MATH 2142</td>
<td>Calculus II</td>
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<tr>
<td>MATH 2243</td>
<td>Calculus III</td>
<td></td>
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<tr>
<td>MATH 2362</td>
<td>Advanced Engineering Mathematics</td>
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<tr>
<td>PHYS 1100</td>
<td>Engineering Physics</td>
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<tr>
<td>Humanities OR Social Science Electives</td>
<td>See this page for complete listing of courses that fulfill the HUMAN or SSCI attribute.</td>
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Total General Education Requirements Credits 34

Core Requirements

<table>
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<tr>
<td>ENGR 1020</td>
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<td>ENGR 2160</td>
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Total Core Requirements Credits 5
# Mechanical (ENME)

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<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
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<td>ENGR 2050</td>
<td>Engineering Mechanics Statics</td>
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<tr>
<td>ENGR 2060</td>
<td>Engineering Mechanics Dynamics</td>
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<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
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<td>3</td>
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<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td></td>
<td>1</td>
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<tr>
<td>ENGR 2540</td>
<td>Mechanics of Materials for Engineering</td>
<td></td>
<td>3</td>
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<tr>
<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit Theory for Engineers</td>
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<tr>
<td>Choose one (1) of the following:</td>
<td>General Chemistry II (5) OR Topics in Acoustics, Optics and Thermodynamics (3) AND Introduction to Acoustics and Optics Laboratory (1)</td>
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<tr>
<td>ISE 240</td>
<td>Manufacturing Processes and Systems (URI)</td>
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<tr>
<td>ISE 241</td>
<td>Manufacturing Processes and Systems Lab (URI)</td>
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</table>

**Total Mechanical (ENME) Credits**: 27

**Total Program Credits**: 66-67
Community College of Rhode Island

Mechanical Concentration (ETMT)

Associate in Science in Engineering Systems Technology (AS_ETST)

Knight Campus, Warwick only
Developing the skills and knowledge to support today’s complex technology requires a shift to a systems engineering approach. Systems engineering is an interdisciplinary view of complex systems that considers customer needs, product functionality, operation, performance, testing and manufacturing. This program incorporates system modeling, simulation, automation, robotics, electronics, digital systems, networking, machine design and electrical power. Emphasis is placed upon understanding the principles of electromechanical systems, automation, system control, machine design and energy systems. Students will develop skills in creative problem solving, design principles, machine programming, computer networking and system troubleshooting.

Throughout the program, students will be required to produce written reports, verbal presentations and portfolio entries; function in teams and complete a capstone project. The program is structured around a set of core technology courses and four concentration areas – electrical, mechanical, energy or manufacturing technology. The program will prepare students to be employed in a variety of technical support positions in the fields of electronics, electromechanical systems, automation, manufacturing, renewable energy technologies and the energy utility industry.

Three certificates and four concentration tracks can lead to the Engineering Systems Technology Associate Degree. All certificate courses map to the degree concentration track with no credit loss. This gives students the opportunity to start at the certificate level, increase employment opportunities while attending classes, and work toward the associate degree on a full or part-time basis.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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</tr>
<tr>
<td>MATH 1181</td>
<td>Applied Technical Mathematics II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1050</td>
<td>Physics for Technology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1070</td>
<td>Introduction to Renewable Energy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social Science Electives</td>
<td>See this page for complete listing of courses that meet this requirement</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 22

Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
<td></td>
<td>3</td>
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<tr>
<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETME 1010</td>
<td>Robotics and Control</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETME 1020</td>
<td>Introduction to Manufacturing Processes</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETME 2310</td>
<td>Automation Systems</td>
<td></td>
<td>3</td>
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</table>

Total Core Requirements Credits 15
### Mechanical Concentration (ETMT)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering &amp; Technology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation Technology</td>
<td></td>
<td>3</td>
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<tr>
<td>ETME 1500</td>
<td>Mechanical Systems I (Formerly MEET 2830)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETME 1510</td>
<td>Engineering Mechanics Technology (Formerly MEET 1510)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETME 2930</td>
<td>Industrial Materials (Formerly ENGT 2930)</td>
<td></td>
<td>3</td>
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<tr>
<td>ETME 2500</td>
<td>Mechanical Systems II (Capstone)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGT 2090</td>
<td>Advanced Solid Modeling</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2300</td>
<td>3D-Modeling and Prototyping</td>
<td></td>
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</tr>
</tbody>
</table>

Total Mechanical Concentration (ETMT) Credits: 27

Total Program Credits: 64
Ocean Concentration (ENOC)

Associate in Science Degree in Engineering (AS_ENGN)

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as liberal arts courses that are applicable to most Bachelor of Science degree programs.

Entrance to the program requires a mathematics placement examination at a calculus level (student is ready to take MATH 2141) or the completion of CCRI Pre-calculus (MATH 2111). It is recommended that all applicants take a mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time, day students who enter in the fall semester, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. See description of the agreement on this page.

RECOMMENDED COURSE SEQUENCE

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1030</td>
<td>General Chemistry I</td>
<td></td>
<td>5</td>
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<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
<td></td>
<td>3</td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
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<tr>
<td>MATH 2141</td>
<td>Calculus I</td>
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<tr>
<td>MATH 2142</td>
<td>Calculus II</td>
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<tr>
<td>MATH 2243</td>
<td>Calculus III</td>
<td></td>
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</tr>
<tr>
<td>MATH 2362</td>
<td>Advanced Engineering Mathematics</td>
<td></td>
<td>4</td>
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<tr>
<td>PHYS 1100</td>
<td>Engineering Physics</td>
<td></td>
<td>4</td>
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<tr>
<td>Humanities OR Social Science Electives</td>
<td>See this page for complete listing of courses that fulfill the HUMN or SSCI attribute.</td>
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Total General Education Requirements Credits 34

Core Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering &amp; Technology</td>
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</tr>
<tr>
<td>ENGR 2160</td>
<td>Introduction to Engineering Analysis</td>
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Total Core Requirements Credits 5
## Ocean Concentration (ENOC)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGR 2050</td>
<td>Engineering Mechanics Static</td>
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<tr>
<td>ENGR 2060</td>
<td>Engineering Mechanics Dynamics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td></td>
<td>1</td>
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<tr>
<td>ENGR 2540</td>
<td>Mechanics of Materials for Engineering</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2110</td>
<td>Topics in Acoustics, Optics and Thermodynamics</td>
<td></td>
<td>3</td>
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<tr>
<td>PHYS 2111</td>
<td>Introduction to Acoustics and Optics Laboratory</td>
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<td>1</td>
</tr>
<tr>
<td>OCE 101</td>
<td>Introduction to Ocean Engineering</td>
<td>(URI)</td>
<td>1</td>
</tr>
<tr>
<td>OCE 205</td>
<td>Ocean Engineering Design Tools</td>
<td>(URI)</td>
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<tr>
<td>OCE 206</td>
<td>Ocean Instruments</td>
<td>(URI)</td>
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Total Ocean Concentration (ENOC) Credits 26

Total Program Credits 65
Fine Arts (FINE)

PROGRAMS

- Associate Degree Program Concentrations
  - Art Concentration (ARTS)
  - Theatre
    - Theatre-Performance Concentration (DRAM)
    - Theatre-Technical Concentration (TDRA)
  - Music
    - Jazz Studies Concentration (JAZZ)
    - Music Concentration (MUSC)

Art Concentration (ARTS)

Associate in Fine Arts Degree (AFA_FINE)

The Art program is designed for both students who plan to transfer to a four-year college, university or design school and students seeking an introduction to art. The curriculum at CCRI is the equivalent of the freshman and sophomore years in many four-year bachelor's degree programs in art or a foundation program at a design school. The art curriculum is structured as an introductory level for non-majors, the foundation level, specialized disciplines and intermediate level.

Students enrolled in the A.F.A. degree program should work closely (beginning in the first semester) with full-time faculty members from the Art Department in selecting and sequencing courses. Students should check the transfer requirements of the four-year program for which they are preparing and retain all of their work in a portfolio.

- Students should take a balance of general education and major requirements each semester. Where possible, take courses in the order they are listed here starting with the 1000 level and moving up to the 2000 level.
- Studio courses are demanding and require extended blocks of time. See course descriptions for details.
- Complete major requirements before enrolling in any visual art elective courses.
- Do not enroll in more than one art history course per semester.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

The Fine Arts Program is accredited by the National Association of Schools of Art and Design (NASAD)

RECOMMENDED COURSE SEQUENCE
### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>Composition II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>2015 OR</td>
<td>OR Composition for Liberal Arts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1430 OR</td>
<td>OR Creative Writing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 1010</td>
<td>Survey of Western Civilization I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 1020</td>
<td>Survey of Western Civilization II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities, Math/Science OR Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the HUMN attribute. See this page for a complete list of courses that fulfill the MSCI attribute. See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>See this page for a complete list of courses that fulfill the MSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Arts Elective</td>
<td>Three credits from MUSC OR THEA</td>
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Total General Education Requirements Credits: **21**

### Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ARTS 1010</td>
<td>Drawing I</td>
<td></td>
<td>3</td>
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<tr>
<td>ARTS 1020</td>
<td>Color</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1310</td>
<td>Two-Dimensional Design</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1410</td>
<td>Three-Dimensional Design</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1500</td>
<td>Fine Art Seminar</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1510</td>
<td>Art History: Ancient to Medieval</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1520</td>
<td>Art History: Renaissance to Modern</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>One of the following Art History courses: ARTS 1530 OR ARTS 1550</td>
<td>Art History: Africa, Asia, Oceania and the Americas OR Art History: Modern through Contemporary</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>One of the following Digital Art courses: ARTS 1840 OR ARTS 1845 OR ARTS 1850</td>
<td>Digital Art 1 OR Video Art OR Digital Photography 1</td>
<td>3</td>
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<tr>
<td>Four (4) Visual Arts Electives</td>
<td>Select four courses from: ARTS Electives ORLIBA 1010</td>
<td>12</td>
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</table>

Total Major Education Requirements Credits: **39**

Total Program Credits: **60**
Community College of Rhode Island

Jazz Studies (JAZZ) or Music Concentration (MUSC)

Associate in Fine Arts Degree (AFA_FINE)

Knight Campus, Warwick; Day program only
CCRI is a member of the National Association of Schools of Music, 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248 Tel: 703-437-0700.

The Music and Jazz Studies concentrations prepare students for transfer to four-year colleges or universities. The two-year curriculum at CCRI is designed to provide music courses appropriate to the freshman and sophomore years in four-year bachelor’s degree programs in music and jazz studies. The CCRI program helps prepare students for careers in professional performance, private music instruction, arranging (Jazz Studies) or music education in the classroom. The curriculum is sequential, and students enrolled in the degree program should work closely with an adviser from the Music faculty who is familiar with the program and its transfer requirements. CCRI Music and Jazz Studies graduates have transferred successfully to four-year colleges and universities both locally and nationally.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE - Jazz Studies concentration

RECOMMENDED COURSE SEQUENCE - Music concentration

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1040</td>
<td>World Literature to 16th Century</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR 2040</td>
<td>World Literature from 16th Century</td>
<td></td>
<td></td>
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<tr>
<td>Humanities Elective</td>
<td></td>
<td>See this page for a complete list of courses that fulfill the HUMN attribute.</td>
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</tr>
<tr>
<td>HIST 1010</td>
<td>Survey of Western Civilization I</td>
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<td>3</td>
</tr>
<tr>
<td>HIST 1020</td>
<td>Survey of Western Civilization II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1139</td>
<td>Mathematics for Liberal Arts Students</td>
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Total General Education Requirements Credits 21
## Major Core Requirements (All students)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>MUSC 1700</td>
<td>Music Theory I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1710</td>
<td>Sight Singing and Ear Training I</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MUSC</td>
<td>Applied Music</td>
<td>(4 semesters of Major Instrument/Voice 1–4 at 2 credits/semester) Initial audition required Additional fees apply for private lessons. Contact Performing Arts Department for audition information.</td>
<td>8</td>
</tr>
<tr>
<td>MUSC 1030</td>
<td>Voice Class OR 1130 Strings Class I (Spring only)</td>
<td>Only one of these courses is required.</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1800</td>
<td>Music Theory II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1810</td>
<td>Sight Singing and Ear Training II</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MUSC 1140</td>
<td>Piano Class I</td>
<td>Keyboard majors may substitute a music elective.</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 1060</td>
<td>Music After 1750</td>
<td>Fall only</td>
<td>3</td>
</tr>
<tr>
<td>Piano proficiency</td>
<td>Administered by the department</td>
<td>Must be passed</td>
<td></td>
</tr>
</tbody>
</table>

**Concert Attendance**

Students attend five CCRI Music events on campus or CCRI Music field trips each semester or concerts at other nearby college/universities.

**Total Major Core Requirements (All students) Credits** 24

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**Please Note:**

The requirements below are for the Music and Jazz Studies concentrations, Associate in Fine Arts (A.F.A.) degree. Where possible, take courses in the order they appear starting with the 1000 level and moving up to the 2000 level. Take a balance of fine arts and humanities courses each semester. Studio courses are demanding and require additional practice, so plan accordingly. For detailed information, students should refer to this page.

## Jazz Studies Concentration Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1110</td>
<td>Jazz History</td>
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<tr>
<td>MUSC 1180</td>
<td>Jazz Ensemble</td>
<td>(Four semesters – one credit each)</td>
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<tr>
<td>MUSC 2070</td>
<td>Jazz Harmony I</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MUSC 2090</td>
<td>Jazz Improvisation I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2080</td>
<td>Jazz Harmony II</td>
<td></td>
<td>2</td>
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<tr>
<td>MUSC 2100</td>
<td>Jazz Improvisation II</td>
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</table>

**Total Jazz Studies Concentration Requirements Credits** 17

**Total Jazz Studies Program Credits:** 62
## Music Concentration Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>MUSC1200</td>
<td>Chamber Ensemble (Band)</td>
<td>Four semesters required – one credit each.</td>
<td>4</td>
</tr>
<tr>
<td>OR 1210</td>
<td>OR MUSC 1210 Chorus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR 1220</td>
<td>OR MUSC 1220 Chamber Singers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUSC 1050</td>
<td>Music Before 1750</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2700</td>
<td>Music Theory III</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2710</td>
<td>Sight Singing and Ear Training III</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2800</td>
<td>Chromatic and Modern Music Theory IV</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2810</td>
<td>Sight Singing and Ear Training IV</td>
<td></td>
<td>1</td>
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<tr>
<td>Total Music Concentration Requirements Credits</td>
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</tr>
</tbody>
</table>

Total Music Program Credits 60
Theatre-Performance Concentration (DRAM) Theatre-Technical Concentration (TDRA)

Associate in Fine Arts Degree (AFA_FINE)

Students who wish to major in Theatre follow a curriculum that includes a study of both fine arts and the humanities. The curriculum is flexible enough to serve both students who plan to transfer to four-year colleges or professional schools and students who wish to pursue a career in a related field.

Two curriculum sequences are available. The Performance concentration is recommended for students who wish to pursue a career as a performer. The Technical concentration is recommended for those who wish to pursue a career as a designer/technician. Either track is appropriate for those planning to transfer to a Bachelor of Fine Arts program in theatre. Students enrolled in the CCRI degree program should work closely (starting in their first semester) with an adviser from the CCRI Theatre faculty who is familiar with the program and its transfer requirements. All students must participate in the CCRI Theatre productions.

Note: Where possible, take courses in the order they appear starting with the 1000 level and moving up to the 2000 level. Take a balance between Fine Arts courses and Liberal Arts courses each semester. Theatre courses are demanding and require serious effort and time. Full-time students should take a minimum 15 to 16 credits each semester. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

For more information visit the Theatre website.

RECOMMENDED COURSE SEQUENCE - Performance Concentration

RECOMMENDED COURSE SEQUENCE - Technical Concentration

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>Composition II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 1010</td>
<td>Survey of Western Civilization I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 1020</td>
<td>Survey of Western Civilization II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC Elective</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>See this page for a complete list of courses that fulfill the MSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities, Math/Science OR Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the HUMN attribute. See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 21
## Major Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 1140</td>
<td>Acting I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 1125</td>
<td>Play Analysis for Production</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 1130</td>
<td>Origins of Theatre</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 1120</td>
<td>Stagecraft</td>
<td>OR Stage Lighting and Sound Production</td>
<td>3</td>
</tr>
<tr>
<td>OR THEA 1180</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEA 1080</td>
<td>Introduction to Costuming</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA Elective</td>
<td>Theatre Arts Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1270</td>
<td>Contemporary Drama</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1280</td>
<td>Dramatic Literature</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Production Requirement</td>
<td>Administered by department</td>
<td>Must be fulfilled</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Total Major Core Requirements Credits</td>
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<td>24</td>
</tr>
</tbody>
</table>

### For Performance Concentration Students

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1110</td>
<td>Voice and Articulation</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 1170</td>
<td>Theatrical Make-up</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 2140</td>
<td>Acting II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 1160</td>
<td>Movement for Actors</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 1470</td>
<td>Dance II Jazz and Tap</td>
<td>OR Dance I</td>
<td>1</td>
</tr>
<tr>
<td>OR 1480</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts Elective</td>
<td>Music or Art Course</td>
<td>OR THEA 1470 – Dance II Jazz and Tap</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>OR THEA 1480 – Dance I</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>Total For Performance Concentration Students Credits</td>
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</table>

### For Technical Concentration Students

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1520</td>
<td>Art History: Renaissance to Modern</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGT 1060</td>
<td>AutoCAD (Basic)</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>ARTS 1010</td>
<td>Drawing I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1510</td>
<td>Art History: Ancient to Medieval</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THEA 1170</td>
<td>Makeup</td>
<td>OR Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>OR THEA 1120</td>
<td></td>
<td>OR Stage Lighting and Sound Production</td>
<td></td>
</tr>
<tr>
<td>OR THEA 1180</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEA 2200</td>
<td>Theatre Graphics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total For Technical Concentration Students Credits</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

Total Program Credits, Performance: 61 | Technical: 62
General Studies

Associate in Arts Degree in General Studies (AA_GENS)

The General Studies degree provides students the flexibility to build a broad-based major in the liberal arts and sciences. Graduates will be able to think critically, communicate effectively, and draw on knowledge from many disciplines.

Note: Courses may require prerequisites, corequisites and/or testing. See course descriptions for details.

Available Online: Students are able to meet program requirements with online courses. See https://www.ccri.edu/distance/ for more information about online programs, the courses available online, and ways to be a successful online student.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>Those required to take ENGL 1005 will then have to take ENGL 1010. (ENGL 1005 may be used as elective credit.)</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td></td>
<td>Take 3 credits of HISTORY</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td></td>
<td>See this page for a complete list of courses that fulfill the HUMN attribute.</td>
<td>6</td>
</tr>
<tr>
<td>Literature</td>
<td></td>
<td>Any English literature course (LITR)</td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td></td>
<td>Any MATH above 1000 level</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>Take any two of the following for 8 to 10* credits: ASTR 1010, 1020; BIOL 1001, 1002, 1005, 1010, 1020, 1060; CHEM 1000, 1010, 1030, 1100; GEOL 1010, 1020; (OCEN 1010, 1030, both required – See course descriptions.); PHYS 1000, 1030, 1040</td>
<td>8</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td></td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 32

*34 total General Education credits if Science credits equal 10.

Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td></td>
<td>See courses from any instructional program</td>
<td>28</td>
</tr>
</tbody>
</table>

Total Major Education Requirements Credits 28

Total Program Credits: 60-62**

**62 total program credits if Science credits equal 10.
Health Sciences

PROGRAMS and POLICIES

• Associate Degree Program Concentrations
  • Dental Hygiene
  • Diagnostic Medical Sonography
  • Emergency Management/Homeland Security
  • Fire Science/Emergency Medical Technician (EMT)
  • Histotechnician
  • Medical Laboratory Technology
  • Nursing
  • Occupational Therapy Assistant
  • Opticianry
  • Physical Therapist Assistant
  • Practical Nursing Diploma
  • Radiography
  • Respiratory Therapy
  • Therapeutic Massage*

• Certificate Programs
  • Computed Tomography Imaging
  • Dental Assisting
  • Emergency/Disaster Management
  • Health Care Interpreter**
  • Homeland Security
  • Magnetic Resonance Imaging
  • Phlebotomy
  • Renal Dialysis Technician
  • Therapeutic Massage*

*The Therapeutic Massage program is currently suspended. Information will be made available at the CCRI Health and Rehabilitative Sciences website as this program is updated and revised.

**The Health Care Interpreter certificate is currently under review and not accepting new students. Information will be made available at the CCRI Health and Rehabilitative Sciences website as this program is updated and revised.

GENERAL POLICIES

The following general policies apply to ALL Health Sciences programs. Requirements specific to a particular program are listed on the program page.

Technical Standards

Each program has developed technical standards to assist interested applicants and continuing students to understand the tasks that a person working in that job would typically be expected to perform. These standards provide a sense of the physical requirements, psychomotor skills and affective behaviors associated with a particular occupation. Standards are listed with each individual program. These are available on the department websites.

Academic Progress

For most programs, students must maintain a 2.0 GPA while in the program. Physical Therapy, Occupational Therapy and Therapeutic Massage students must achieve a grade of 75 percent in each course required by the program. Dental Hygiene students must achieve a grade of 75 percent in each didactic course required by the program. Nursing, Occupational Therapy Assistant, Physical Therapist Assistant and Opticianry students must maintain a 75 percent passing grade in each major course and maintain a 2.5 GPA to progress. Students who do not maintain the expected level of academic progress will be dismissed from the program.

Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical, or professional performance.
Accommodation
Students in the health programs with a documented need for reasonable accommodation are encouraged to contact the Office of Disability Services for Students as early as possible. This will help ensure that reasonable accommodations are provided in a timely manner. An accommodation letter is required each semester.

Admission Requirements
Official high school or GED® transcript is a component of the Health Sciences application process. Anyone with a degree from a regionally accredited higher education institution may have this requirement waived following submission of the official college transcript. See individual programs.

Performance-Based Health Sciences (PBHS) Application Process
Health sciences programs have a competitive application process and many have limited application windows. Students who want to earn Health Sciences degrees or certificates must first declare a General Studies major and take required classes. Once all admissions requirements are met, students can start the performance-based Health Sciences application process. Emergency Management/Homeland Security and Fire Science/ Emergency Medical Technician are the only programs exempt from this performance-based application. Please visit the CCRI Health Sciences website for admission guidelines.

Advanced Placement/Challenge Examinations
Applicants with previous education or experience who wish to discuss advanced standing or challenge specific courses should contact the department chair or program director for information.

Background Check
Students are required to have a criminal background check in compliance with requirements of clinical agencies. Persons convicted of a crime, as defined by applicable state or federal law, cannot be offered admission to Health Sciences programs until they have served their sentence, and their criminal background check shows no evidence of criminal activity for at least seven years following the completion of their sentence, probation and/or parole. For more information, program department chair contacts can be found at the CCRI Health Sciences website.

CPR Certification*
All CCRI Health Sciences students must have current CPR certification, American Heart Association Basic Life Support (BLS), obtained through an AHA-recognized community training center. This course is also available at CCRI (HEAL 0200). Students must provide proof of AHA CPR certification to the department as part of health record documentation per program policies.

Health Insurance
Students are required to obtain health insurance. Health insurance is not provided by the college or clinical agencies. Students are responsible for their own health care expenses.

Health Records*
Students accepted into Health Sciences programs must submit complete health records to begin the clinical/technical courses. The health record requires a physical exam and specific documentation showing vaccination and immunity. See program policies for more detail on when health records are due. Students without complete health records, including titers, will not be allowed to start clinical rotations/field placements.

All students enrolled in CCRI Health Sciences programs are required to take the Hepatitis B series of three vaccinations, unless there are medical or religious reasons against it. Contact the department chair of your program for more information. Applicants are encouraged to begin the Hepatitis B series as soon as possible, and provide documentation of vaccinations as they are given, and show follow-up titers prior to entrance into one of the Health Sciences programs.

Individuals who disclose the presence of blood-borne infectious disease will be shown the same consideration as non-infected individuals and will be offered reasonable accommodations. Information regarding the health status of an individual is considered confidential and protected by the Family Education Rights and Privacy Act of 1974.

Occupational Titles
For more information about occupational titles, refer to the Dictionary of Occupational Titles at the Dictionary Of Occupational Titles website.

Advanced Placement
Selected Health Sciences programs may have advanced placement options for eligible applicants. Additional documents may be required for verification and eligibility. Applicants deemed eligible enter a program with a specific cohort. If you are eligible for an advanced level course you will be notified to register. Space availability is not automatic because of clinical/class space constraints.
Community College of Rhode Island

Reinstatement

Reinstatement in CCRI Health Sciences programs is not automatic. Priority is given to students in good academic standing at the time of withdrawal. Students wishing to be readmitted must meet the following criteria.

- Submit a letter of intent to the department chair and program director at least one semester prior to the requested date of re-admittance.
- Nursing students must submit a letter requesting reinstatement via email to the Scholastic Standing Committee chairperson.
- See individual programs for GPA requirements.
- Meet with the department chair and program director.
- Students who have been dismissed from a health program may request reinstatement only once. Students who are dismissed from the program for academic reasons a second time may not return to the program. Students who do not follow the recommended sequence may delay their graduation date.
- Students returning to any Health Sciences program may be required to repeat previous coursework and be approved by the Scholastic Standing Committee. See program pages for specific reinstatement information.
- Upon notification, student will be permitted to register.

Transportation

Students are responsible for transportation to all clinical/technical experiences both on and off campus.

Uniforms and Equipment

Students are responsible for purchasing necessary equipment and/or uniforms, if applicable.

Program Graduation

Students are responsible for completion of **ALL program requirements** to be eligible for graduation. This includes general education and specialty course requirements.

*Emergency Management/Homeland Security students are exempt from CPR certification and health-record requirements.

**Computed Tomography Imaging**

**Certificate in Computed Tomography Imaging (CERT_CTIC)**

Flanagan Campus, Lincoln only

Computed Tomography is a dynamic technology used in the diagnosis of disease, in monitoring patient progress, in controlled screenings to help prevent disease or in research. This two-semester program, which combines classroom instruction, online learning and supervised clinical practice, focuses on understanding the basic principles of computed tomography imaging and the care of patients requiring diagnosis or treatment. The goal of this program is to prepare students who can competently and safely perform computed tomography procedures, display the personal qualities of integrity, responsibility, and reliability and who function as active members of the healthcare team.

Graduates receive a certificate in Computed Tomography imaging and are prepared to sit for the national credentialing examination offered by the American Registry of Radiologic Technologists. They are eligible for employment in hospitals, clinics, and private imaging facilities.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

**GENERAL POLICIES**

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Computed Tomography Imaging certificate program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; CTIC should be the second choice.
2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **ARRT Certificate** – Current certification as a radiologic technologist through the American Registry of Radiologic Technologists. (NMTCB, Nuclear Medicine Technology Certification Board certifications is an acceptable substitute.)
4. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   
a. **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See [www.ccri.edu/dean-hrs](http://www.ccri.edu/dean-hrs).) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

5. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.

**Program Requirements**

- The major requirements of this program must be taken in sequence. They are open only to students who are formally accepted into the program.
- No grade less than a C is acceptable in any of the technical courses (CTIC).
- Maintain a cumulative GPA of 2.0 or greater.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.

**RECOMMENDED COURSE SEQUENCE**

- First semester: CTIC 1010, CTIC 1020, CTIC 1030
- Second semester: CTIC 2010, CTIC 2020, CTIC 2030

**Certificate Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTIC 1010</td>
<td>Fundamentals of CT</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CTIC 1020</td>
<td>Procedures and Protocols in CT Imaging</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>CTIC 1030</td>
<td>Cross-sectional Anatomy I</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>CTIC 2010</td>
<td>Patient Care for CT</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CTIC 2020</td>
<td>Advanced Applications and Pathology for CT</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CTIC 2030</td>
<td>Cross-sectional Anatomy II</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Total Certificate Requirements Credits 19

Total Program Credits 19
Dental Assisting

Certificate in Dental Assisting (CERT_DENT)

Occupational Title: Dental Assistant
Flanagan Campus, Lincoln only

This program is accredited by the American Dental Association Commission on Dental Accreditation, 211 E. Chicago Ave., Chicago, IL, 60611.

The primary function of the dental assistant is to assist the dentist. Students in this program attend lecture and laboratory classes and receive actual clinical experience through assignments at a variety of dental healthcare facilities.

This course of study prepares students for the certification examination given by the Dental Assisting National Board, Inc. Students who successfully complete the program are awarded a certificate by the college. Students are responsible for purchasing dental instruments and uniforms, as well as paying fees for the certification exam. Participation in the dental assisting program exposes students to infectious diseases, bloodborne pathogens and ionizing radiation.

Technical standards: The physical activity (strength) for dental assistant (079.361-018) is classified as “light” by the Department of Labor in the Dictionary of Occupational Titles

Note: Many courses require prerequisites and/or testing. See course descriptions for details.

CCRI also offers a Dental Hygiene associate degree program, see this page for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements needed to apply to the Dental Assisting

1. **CCRI application** – Submit a completed CCRI Application for Enrollment. General Studies should be first choice; DENT should be second choice.
2. **High school transcript** – Send an official copy of a transcript from an accredited high school or GED® certification, including date of graduation, or if the applicant holds a baccalaureate degree from an accredited college/university, the high school transcript may be waived; college transcript must indicate completion and degree awarded.
3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI's Department of Advising and Counseling. Students may retake the ACCUPLACER test once before completing any remedial course(s).
   a. **Reading comprehension test (waived for students with a Bachelor's degree or higher)** Score of 80 or above in Classic ACCUPLACER is required in Reading Comprehension or score of 253 or above in Next-Generation Accuplacer is required in Reading Comprehension or students must complete ENGL 0890: Critical Reading with a grade of "B-" or better or 0950: Integrated Critical Reading and Writing.
   b. **Math:** Demonstrate competency by placing into MATH 0100 with a test score of 65 or above in Classic ACCUPLACER in the arithmetic section or or score of 255 in Next-Generation ACCUPLACER or completion of MATH 0100: Fundamentals of Mathematics with a "C" or better. The entry course for MATH 0100 is MATH 0095. The following courses will substitute for MATH 0100: 0101, 1025, 1139, 1175, 1240, 1241, 2077, 2110, 2111, 2138, 2141, 2142, or 2243.
   c. **English (writing) test** must show readiness to take ENGL 1010: Composition I, or applicant must have completed ENGL 1005: College Writing with a grade of "C" or better. ENGL 1300 will not substitute for ENGL 1010.
4. **Optional: Complete courses required for admission with a grade of "C" or better** – DENT 1000: Introduction to Dental Health Careers
5. **GPA** – A cumulative grade point average of 2.0 or better for all college courses taken.
   a. All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into the Dental Assisting Program, the student must attend a mandatory orientation conducted by the Dental Health Department.
6. **Health Sciences application** – Submit a completed performance-based Health Sciences application including a preadmission degree evaluation. Deadlines are listed on form.
7. **BCI** – Students are required to submit a background check when directed by notification from Enrollment Services. Results of BCI may prevent admission due to clinical agencies requirements.
Program Requirements

- A cumulative grade point average of 2.0 or better is required to proceed in the program.
- General education courses in the Dental Assisting curriculum may be taken prior to the semester recommended. All courses must be completed by the recommended semester.
- Program faculty reserve the right to dismiss any student from the program or to refuse reinstatement based on academic, clinical or professional performance.
- ENGL 1300 may not be substituted for ENGL 1010.
- BIOL 1070 must be completed prior to the second semester

RECOMMENDED COURSE SEQUENCE

- First semester: BIOL 1070; ENGL 1010; DAST 1010, 1020, 1030, 1225; DENT 2010, 2225
- Second semester: COMM 1100; DAST 1040, 1050, 1060; PSYC 1030

OPTIONAL

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DENT 1000</td>
<td>Introduction to Dental Health Careers</td>
<td></td>
<td>2</td>
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</table>

Total OPTIONAL Credits 2

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
<td>Must be taken prior to admission to the program or during the first semester of the program.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1030</td>
<td>Psychology of Personal Adjustment</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
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</table>

Total General Education Requirements Credits 12

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>DAST 1010</td>
<td>Oral Biology I</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DAST 1020</td>
<td>Preventive Dentistry</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DAST 1030</td>
<td>Chairside Dental Assisting I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DAST 1040</td>
<td>Oral Biology II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DAST 1050</td>
<td>Chairside Dental Assisting II</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>DAST 1060</td>
<td>Dental Office Procedures</td>
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<td>2</td>
</tr>
<tr>
<td>DENT 2010</td>
<td>Oral Radiography</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DAST 1225</td>
<td>Dental Materials Lecture</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>DENT 2225</td>
<td>Dental Materials Lab for Dental Assistants</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 24

Total Certificate Credits 36
Dental Hygienist

Associate in Applied Science Degree in Dental Hygiene (AAS_DHYG)

Occupational Title: Dental Hygienist
Flanagan Campus, Lincoln only

This program is accredited by the American Dental Association, Commission on Dental Accreditation, 211 East Chicago Ave., Chicago, IL, 60611.

The dental hygienist is a licensed professional who provides primary preventive dental services to patients in a wide variety of settings. Students in this program attend lecture and laboratory classes and provide treatment in a modern, state-of-the-art dental hygiene clinic at the Flanagan Campus in Lincoln. This course of study prepares students for board examinations required for dental hygiene licensure. Participation in the dental hygiene program exposes students to infectious diseases, bloodborne pathogens and ionizing radiation.

Technical Standards: The physical activity (strength) level for dental hygienist (078.361-010) is classified as “light” by the Department of Labor in The Dictionary of Occupational Titles.

Note: Many courses require prerequisites and/or testing. See course descriptions for details.

CCRI also offers a Dental Assisting certificate program, see this page for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements needed to apply to the Dental Hygiene program

1. CCRI application – Submit a completed CCRI Application for Enrollment. General Studies should be first choice; DHYG should be second choice.

2. High school transcript – Send an official copy of a transcript from an accredited high school or GED® certification, including date of graduation or, if the applicant holds a baccalaureate degree from an accredited college/university, the high school transcript may be waived; college transcript must indicate completion and degree awarded.

3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI's Department of Advising and Counseling. Students may retake the ACCUPLACER test once before completing any remedial course(s).
   a. Reading comprehension test (waived for students with a Bachelor's degree or higher) Score of 80 or above in Classic Accuplacer is required in Reading Comprehension or score of 253 or above in Next Generation Accuplacer is required in Reading Comprehension or students must complete ENGL 0890: Critical Reading with a grade of "B-" or better or 0950: Integrated Critical Reading and Writing.
   b. Math – Demonstrate competency by placing into MATH 0101 with a test score of 75 or above for the classic ACCUPLACER algebra section, or a score of 256 or above on the Next-Generation Accuplacer is required for Math (Quantitative, Reasoning, Algebra, and Statistics), or completion of MATH 0101: Foundations of College Algebra with a grade of "C" or better. The entry course for MATH 0101 is MATH 0095. The following courses will substitute for MATH 0101: 1025, 1139, 1175, 1240, 1241, 2077, 2110, 2111, 2138, 2141, 2142 or 2243.
   c. English (writing) test must show readiness to take ENGL 1010: Composition I or applicant must have completed ENGL 1005: College Writing with a grade of "C" or better. ENGL 1300 will not substitute for ENGL 1010.

4. Complete courses required for admission with a grade of C or better:
   a. CHEM 1010 - Survey of Biomedical Chemistry (Chemistry placement testing is required prior to enrolling in CHEM 1010.)
   b. DENT 1000 - Introduction to Dental Health
   c. BIOL 1010 - Human Anatomy or BIOL 2201: Human Anatomy & Physiology I
   d. BIOL 1020 - Human Physiology or BIOL 2202: Human Anatomy & Physiology II

5. GPA – A cumulative grade point average of 2.0 or better for all college courses taken. All science courses must have earned a final course grade of "C" or better. If not, the science course(s) must be repeated.
   a. All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into Dental Hygiene, the student must attend a mandatory orientation conducted by the Dental Health Department.
6. **Health Sciences application** – Submit a completed performance-based Health Sciences application including a preadmission degree evaluation. Deadlines are listed on form.

7. **BCI** – Conditionally accepted students are required to submit a background check when directed by notification from Enrollment Services. Results of BCI may prevent admission due to clinical agencies requirements.

**Program Requirements**

- Students must complete all BIOL, CHEM, and DENT 1000 with a grade of C or better.

- A cumulative grade point average of 2.0 or better is required at the end of each semester to proceed in the program.

- General education courses in the Dental Hygiene curriculum may be taken prior to the semester recommended. BIOL 2210 must be taken prior to or during the second semester.

- Program faculty reserve the right to dismiss any student from the program or refuse reinstatement based on academic, clinical or professional performance.

- All science courses must be completed with a grade of C or better or the course(s) must be repeated.

- Students must complete all DHYG and DENT courses with a grade of C+ or better.

**Readmission**

Any student who leaves the program for any reason may apply for readmission in a subsequent year. Such application must be made by letter to the program director and must be received by Oct. 15 or March 15 preceding the semester for which readmission is sought. Consideration for possible readmission will be by concurrence of the Dental Hygiene Readmittance Committee and the program director who will review each request individually. There is no guarantee that a student will be readmitted to the Dental Hygiene program.

A student may be readmitted to the Dental Hygiene program only once and must comply with the recommendations of the Dental Hygiene Readmittance Committee and the program director.

These recommendations may include but are not limited to:

- reinstatement on a space available basis;
- reinstatement that may include repeating any previously completed clinical courses;
- reinstatement that may include repeating or auditing any previously completed didactic courses;
- denial of reinstatement with no further consideration for readmission.

**RECOMMENDED COURSE SEQUENCE**

**PREADMISSION Requirements**

These courses must be taken prior to program admission.

**PREADMISSION Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010 or BIOL 2201</td>
<td>Human Anatomy OR Human Anatomy &amp; Physiology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1020 or BIOL 2202</td>
<td>Human Physiology OR Human Anatomy &amp; Physiology II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>Survey of Biomedical Chemistry</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>DENT 1000</td>
<td>Introduction to Dental Health Careers</td>
<td>Course must be taken prior to admission.</td>
<td>2</td>
</tr>
</tbody>
</table>

Total PREADMISSION Requirements Credits: 15

Total Program Credits: 15
## General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2210</td>
<td>Introductory Microbiology</td>
<td>BIOL 2210 must be taken prior to or during second semester</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits: 17

Total General Education Credits (including preadmission): 30

## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHYG 1010</td>
<td>Dental and Oral Anatomy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1020</td>
<td>Dental Hygiene I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1030</td>
<td>Clinical Dental Hygiene I</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DHYG 1040</td>
<td>Oral Embryology and Histology</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DHYG 1050</td>
<td>Dental Hygiene II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1060</td>
<td>Clinical Dental Hygiene II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DENT 2010</td>
<td>Oral Radiography</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DENT 2220</td>
<td>Dental Materials Lab for Dental Hygienists</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DHYG 2010</td>
<td>Pathology</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DHYG 2020</td>
<td>Dental Hygiene III</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DHYG 2030</td>
<td>Clinical Dental Hygiene III</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DHYG 2040</td>
<td>Community Dental Health I</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DHYG 2050</td>
<td>Periodontics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DHYG 2090</td>
<td>Pharmacology for the Dental Hygienist</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DHYG 2045</td>
<td>Community Dental Health II</td>
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<td>1</td>
</tr>
<tr>
<td>DHYG 2060</td>
<td>Dental Hygiene IV</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DHYG 2070</td>
<td>Clinical Dental Hygiene IV</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits: 49

Total Program Credits: 81
Emergency Management/Homeland Security

Associate in Science Degree in Emergency Management/Homeland Security (AS_EMGD)

Evenings only

The program in Emergency Management/Homeland Security is designed to provide students the core skills needed to work in the field of emergency management or homeland security. This discipline covers a broad spectrum of job opportunities in the public and private sectors. Job opportunities are in such fields as local, state and federal government; military; Department of Homeland Security; businesses; private security; public safety; hospital systems and universities.

Students learn about risk assessment, terrorism, disasters, natural and man-made hazards, emergency response, incident command, emergency planning and many other aspects of emergency management and homeland security.

Students who successfully complete the program earn a well-rounded degree, fulfilling both general education requirements and completing core courses that provide in-depth competencies needed to work in the field. The program finishes with a practicum and professional development course tying together acquired knowledge and skills.

Note: Not all courses are offered every semester. Many courses require prerequisites and/ or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1000</td>
<td>Chemistry of Our Environment</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1060</td>
<td>Chemistry of Hazardous Materials</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Choose one GEOL course:</td>
<td>Natural Disasters</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR GEOL 1040</td>
<td>OR Introduction to Geographic Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR GEOL 1050</td>
<td>OR Urban Geology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one MATH course:</td>
<td>Introduction to College Mathematics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1420</td>
<td>OR Mathematics for Liberal Arts Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR MATH 1139</td>
<td>OR Statistics for Social Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR MATH 1475</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose one Social Science course:</td>
<td>State and Local Government</td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>POLS 1000</td>
<td>OR General Sociology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR POLS 1030</td>
<td>OR General Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR PSYC 2010</td>
<td>OR Introduction to Geography</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR GEOG 1010</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits

19
## Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMER 1000</td>
<td>Fundamentals of Emergency Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1010</td>
<td>Understanding and Responding to Terrorism</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1020</td>
<td>Bioterrorism and Public Health Emergencies</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1030</td>
<td>Disaster Response Operations and Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1040</td>
<td>Managing the Psychological Impact of Terrorism and Disasters</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1050</td>
<td>Disaster Training and Exercise Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 2010</td>
<td>Disaster Resource Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 2020</td>
<td>Emergency Planning</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 2030</td>
<td>Professional Development in Emergency Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 2500</td>
<td>Practicum in Emergency Management</td>
<td>Criminal background check required. Results may prevent student from taking all or some of available practicums.</td>
<td>3</td>
</tr>
<tr>
<td>HMLS 1000</td>
<td>Introduction to Homeland Security</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMLS 1010</td>
<td>Intelligence Analysis and Risk Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMLS 1020</td>
<td>Border and Transportation Security</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Education Requirements Credits 39

Total Program Credits 61-62
Emergency/Disaster Management

Certificate in Emergency/Disaster Management (CERT_EMER)

All campuses, evenings only

This fast-growing field presents opportunities for individuals who seek employment in various emergency management capacities. This program is based upon the Emergency Management Institute (EMI) for higher education and is designed to enhance the emergency/disaster management skills and knowledge of police, fire service, hospital personnel, business, security personnel, risk managers, etc.

Courses in this certificate can be applied to the Associate degree in Emergency Management/Homeland Security. Learn about the associate degree.

All applicants must have a high school diploma or GED® credential.

Note: Many courses require prerequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Requirements for admission into the Emergency Management program

1. Complete and submit a CCRI Application for Enrollment to General Studies.
2. Submit an official copy of high school or GED® transcript including graduation date or, if the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

Program Requirements

• All courses must be completed with a C or better.
• Check GPA requirements for progression in this program.

RECOMMENDED COURSE SEQUENCE

• First semester: EMER 1000; ENGL 2100
• Second semester: EMER 1010 OR 1020, 1030; GEOL 1030
• Third semester: EMER 1040 OR EMER 2500

Students must be accepted into the program before enrolling in any required courses.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMER 1000</td>
<td>Fundamentals of Emergency Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1010</td>
<td>Understanding Terrorism</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR EMER 1020</td>
<td>Bioterrorism and Public Health Emergencies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOL 1030</td>
<td>Natural Disasters</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1030</td>
<td>Disaster Response Operations and Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1040</td>
<td>Managing the Psychological Impact of Terrorism and Disasters</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR EMER 2500</td>
<td>Practicum in Emergency Management</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Certificate Requirements Credits 18

Total Certificate Credits 18
Fire Science/Emergency Medical Technician

Associate in Applied Science Degree in Fire Science/Emergency Medical Technician (AAS_FIRE)

The Fire Science program is for individuals who are interested in or currently serving in the fire service or related fields. Graduates work for municipal fire departments or obtain positions in the fields of industrial fire safety and security, fire protection engineering technology, fire insurance inspection, investigation underwriting and ambulance services.

A balanced combination of professional and general education courses equips students with the knowledge and skills needed in this increasingly technological field. Fire protection systems and codes, tactics and strategies, hydraulics and equipment, officership and administration, and hazardous materials are studied.

Note: Not all courses are offered every semester. See department chair or semester schedule of courses. FIRE 1010 - Principles of Fire and Emergency Services, Safety and Survival and FIRE 1060 - Fire Behavior and Combustion are delivered to meet FESHE standards. However, these courses are not required as part of the degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

GENERAL POLICIES

See important general policies on the performance-based Health Sciences application process, academic progress, advanced standing, background check, CPR certification, health insurance, health records, reinstatement, transportation, and uniforms and equipment.

Requirements for acceptance into the Fire Science program
1. Complete and submit a CCRI Application for Enrollment to General Studies.
2. Submit an official copy of high school or GED® transcript including the graduation date. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Provide proof of completed Tdap vaccine and titers.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>Placement test required. Students must achieve a score of 75 or above. This test is permitted one time only.</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td>Placement test required. Students must achieve a score of 75 or above. This test is permitted one time only.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td>Placement test required. Students must achieve a score of 75 or above. This test is permitted one time only.</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1000</td>
<td>Chemistry of Our Environment</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social Science Electives</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>CHEM 1060</td>
<td>Chemistry of Hazardous Materials</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1025</td>
<td>Introduction to College Mathematics</td>
<td></td>
<td>3</td>
</tr>
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</table>

Total General Education Requirements Credits                      28
## Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI Elective</td>
<td>Computer Elective</td>
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<td>3</td>
</tr>
<tr>
<td>FIRE 1020</td>
<td>Fundamentals of Fire Prevention</td>
<td>FESHE course</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1030</td>
<td>Introduction to Fire Science and Officership</td>
<td>FESHE course</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1040</td>
<td>Fire Fighting Tactics and Strategy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1050</td>
<td>Building Construction and Fire Codes</td>
<td>FESHE course</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1070</td>
<td>Fire Protection Systems and Equipment</td>
<td>FESHE course</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1090</td>
<td>Fire Hydraulics and Equipment</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1100</td>
<td>Municipal Fire Administration</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1120</td>
<td>Investigations, Fire and Explosions</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1130</td>
<td>Emergency Medical Technician Basic</td>
<td>Must complete health requirements for clinical experience.</td>
<td>8</td>
</tr>
</tbody>
</table>

Total Major Education Requirements Credits 35

Total Program Credits 63
Health Care Interpreter

Certificate in Health Care Interpreter (CERT_INTC)

This program is under revision and not currently accepting students.

Occupational Title: Health Care Interpreter
Liston Campus, Providence only

The Health Care Interpreter certificate program is a two-semester program that prepares an assistant-level practitioner for the healthcare community. These individuals are prepared to provide high quality and skilled interpreting services in a variety of healthcare facilities; acute care, long-term care and community health care agencies. The program includes a total of 16 credits for three distinct courses. Students gain an understanding of the critical role that healthcare interpreters fulfill within the healthcare team through theory presented in the classroom, simulated clinical experiences, as well as practice experience in the selected healthcare settings.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES
See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Health Care Interpreter certificate program:

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; INTC should be the second choice.
2. **High school transcript** – An official copy of a high school or GED# transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **Placement testing** – Must earn English placement test results (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling:
   a. Reading comprehension test must show competency of 80 or above OR students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better.
   b. Readiness to take ENGL 1005 - College Writing or higher OR the applicant must have completed ENGL 0500 - Basics of Composition with a “C” or higher or ENGL 0250 - Compensatory Writing Skills with a “B-” or higher or ENGL 1300 - Composition I for Speakers of English as a Second Language with a “C” or higher.
4. Completion of the Versant Oral Proficiency Test in Spanish with a minimum score of 76 (test available at Knight Campus only). Requirements 1, 2 and 3 above must be completed before taking the Oral Proficiency Test in Spanish.
5. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation.
6. **Background Check** – Students are required to submit a background check when directed by Enrollment Services. Results of BCI (Bureau of Criminal Investigation) check may prevent admission due to clinical agencies’ requirements.
   a. **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. At the time of admission, the student must meet the current admission requirements. Students declining acceptance into the program must resubmit a performance-based Health Sciences application and meet the current admission requirements.

Program Requirements:
- Student must successfully complete all courses in the Health Care Interpreter program to be certificate eligible.
- Student must maintain a GPA of 2.0 or higher throughout the program to be certificate eligible.
- Students must have required immunizations completed before any field work.
- Course sequence: RHAB 1010 - Medical Terminology of Rehabilitative Health and INTC 1300 - Interpreting in Health Care I, both with a grade of “C” or better is required for progression to INTC 1310 - Interpreting in Health Care II.

RECOMMENDED COURSE SEQUENCE

- First semester: RHAB 1010; INTC 1300
- Second semester: INTC 1310
Certificate Requirements

Note: Students must be accepted into the program before taking major requirements.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHAB 1010</td>
<td>Medical Terminology for Rehabilitative Health</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>INTC 1300</td>
<td>Health Care Interpreter I</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>INTC 1310</td>
<td>Interpreting in Health Care II</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Certificate Requirements</td>
<td>16</td>
</tr>
</tbody>
</table>

Total Program Credits 16
Histotechnician

Associate in Applied Science Degree in Histotechnician (AAS_HSTO)

Occupational Title: Histotechnician
Liston Campus, Providence only

This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Road., Suite 720, Rosemont, IL, 60018; 773-714-8880.

Histotechnicians are integral members of the healthcare team. It is the job of the histotechnician to prepare sections of human tissue from biopsy or autopsy for microscopic examination by processing and cutting tissues, mounting them on slides and staining them with special dyes for microscopic examination by a pathologist for the diagnosis of disease. Most histotechnicians work in hospital laboratories, medical research laboratories, veterinary pathology and forensic laboratories.

The CCRI Histotechnician program prepares students to enter this challenging and rewarding field and provides them with entry-level knowledge, application and problem-solving skills needed to function as active members of the healthcare team. Graduates of the program are eligible for:

- Employment in a hospital, crime lab, veterinary lab and public health facility.
- Transfer to a bachelor’s degree program.
- Sitting for the national certification examination for HT given by ASCP Board of Certification (BOC).

Technical standards: The physical activity level for Histotechnician (078.261.030) is classified as “light” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Histotechnician program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; HSTO should be the second choice.
2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/ courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses. **Reading comprehension test** must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of B- or better. ENGL 1300 will not substitute for ENGL 1010.
4. Complete courses required for admission with a grade of C or better:
   a. BIOL 1070 - Human Anatomy and Physiology
   b. CHEM 1010 - Survey of Biomedical Chemistry OR
      CHEM 1030 - General Chemistry I or permission of the department
5. GPA – A cumulative grade point average of 2.0 or better for all college courses taken.
6. **Aptitude Examination** – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. (See psbtests.com.)
7. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   a. **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.
8. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.
Program Requirements

- Major requirements must be taken in sequence and are open only to students who are formally accepted into the program.
- Students must be accepted to the program before taking any major requirements.
- Students must complete all courses in this program with a cumulative index of 2.0 to qualify for the Associate in Applied Science degree.
- No grade of less than C is acceptable in any technical course (HSTO). Students receiving less than C will be dismissed from the program.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or behavioral performance.
- Students are responsible for the purchase of books, uniforms, and transportation prior to clinical assignments.
- ENGL 1300 may not be substituted for ENGL 1010.

RECOMMENDED COURSE SEQUENCE

PREADMISSION General Education Requirements
These courses must be taken prior to program admission.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>Survey of Biomedical Chemistry</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>OR CHEM 1030</td>
<td>General Chemistry I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total PREADMISSION General Education Requirements Credits 8

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR 1175</td>
<td>OR Statistics for Health and Social Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 1002</td>
<td>Introductory Biology: Cellular</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>See this page for complete list of courses that fulfill the HUMN attribute.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 19

Students must be accepted into the program before taking any major requirements.

Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSTO 1310</td>
<td>Introduction to Histology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HSTO 1320</td>
<td>Histotechnology II</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HSTO 2310</td>
<td>Histotechnology III</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>HSTO 2320</td>
<td>Histotechnology IV</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>HSTO 2330</td>
<td>Histology Seminar</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Major Education Requirements Credits 35

Total Program Credits 62
Homeland Security

Certificate in Homeland Security (CERT_HMLS)

- Concentrations:
  - Cybersecurity Concentration (HMCS)
  - Emergency Management Concentration (HMEM)
  - Law Enforcement Concentration (HMLE)

Homeland Security has become an integral part of our society. The certificate in Homeland Security provides students with the opportunity to choose three pathways in homeland security.

Each pathway consists of three core courses focusing on the history and development of homeland security, intelligence analysis and how agencies share information to stop terrorist attacks, and border and transportation security issues.

Students then decide which track they wish to pursue. The concentration in emergency management focuses on the depths of terrorism. The concentration in law enforcement provides students with the tools to enter into the law enforcement community, and the concentration in cybersecurity provides a pathway for students interested in defending our nation from a cyberterrorist attack or cyber disruption.

Courses in the Emergency Management concentration can be applied to the Associate Degree in Emergency Management/Homeland Security. See this page for information on the associate degree.

Note: Many courses require prerequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

Cybersecurity concentration
- First semester: HMLS 1000; COMI 2035, 2036
- Second semester: HMLS 1010, 1020; COMI 2037

Emergency Management concentration
- First semester: HMLS 1000; EMER 1020, 1040
- Second semester: HMLS 1010, 1020; EMER 1010

Law Enforcement concentration
- First semester: HMLS 1000; LAWS 1000, 1010
- Second semester: HMLS 1010, 1020; LAWS 1020

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMLS 1000</td>
<td>Introduction to Homeland Security</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMLS 1010</td>
<td>Intelligence Analysis and Risk</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMLS 1020</td>
<td>Border and Transportation Security</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>One</td>
<td>concentration</td>
<td>Select one concentration from the list below and complete requirements for a total of 18 credits.</td>
<td>9</td>
</tr>
</tbody>
</table>

Total Certificate Requirements Credits 18

CONCENTRATION OPTIONS - Choose one to complete certificate requirements.
## Cybersecurity (HMCS)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 2035</td>
<td>Introduction to Computer Forensics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2036</td>
<td>Introduction to Computer Ethics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 2037</td>
<td>Introduction to Cybersecurity</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Cybersecurity (HMCS) Credits 9

## Emergency Management (HMEM)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMER 1010</td>
<td>Understanding and Responding to Terrorism</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1020</td>
<td>Bioterrorism and Public Health Emergencies</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EMER 1040</td>
<td>Managing the Psychological Impact of Terrorism and Disasters</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Emergency Management (HMEM) Credits 9

## Law Enforcement (HLME)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWS 1000</td>
<td>Introduction to Law Enforcement</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1010</td>
<td>Criminal Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1020</td>
<td>Criminal Procedure</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Law Enforcement (HLME) Credits 9

Total Certificate Credits 18
Magnetic Resonance Imaging

Certificate in Magnetic Resonance Imaging (CERT_MRIC)

Flanagan Campus, Lincoln only

Magnetic resonance imaging is a dynamic technology used in the diagnosis and treatment of disease. This two-semester program, which combines classroom instruction with supervised clinical practice, focuses on understanding the basic principles of magnetic resonance imaging and the care of patients requiring diagnosis or treatment. The goal of this program is to prepare students who can competently and safely perform magnetic resonance procedures, display the personal qualities of integrity, responsibility, and reliability and who function as active members of the healthcare team.

Graduates receive a certificate in magnetic resonance imaging and are prepared to sit for the national credentialing examination offered by the American Registry of Radiologic Technologists. They are eligible for employment in hospitals, clinics, physician’s offices and mobile MRI facilities.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Magnetic Resonance Imaging certificate program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; MRIC should be the second choice.

2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. **ARRT Certificate** – Current certification as a radiologic technologist through the American Registry of Radiologic Technologists. (ARDMS, American Registry of Diagnostic Medical Sonographers and NMTCB, Nuclear Medicine Technology Certification Board certifications are acceptable substitutes.)

4. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   a. **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See [www.ccri.edu/dean-hrs](http://www.ccri.edu/dean-hrs).)

5. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

- The major requirements of this program must be taken in sequence. They are open only to students who are formally accepted into the program.
- No grade less than a C is acceptable in any of the technical courses (MRIC).
- Maintain a cumulative GPA of 2.0 or greater.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.
- ENGL 1300 may not be substituted for ENGL 1010.

**RECOMMENDED COURSE SEQUENCE**

- First semester: MRIC 2260, 2270; ENGL 1010; PSYC 2010
- Second semester: MRIC 2280, 2290; COMI 1100; General Education Elective
## Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRIC 2260</td>
<td>Introduction to MRI</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MRIC 2270</td>
<td>MRI Physics and Instrumentation</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MRIC 2280</td>
<td>Procedures and Methods for MRI Imaging</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MRIC 2290</td>
<td>MRI Safety and Quality Assurance</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Elective**

- See this page for a complete list of courses that meet this requirement.
- 3

**Total Certificate Requirements Credits**

- 31

**Total Program Credits**

- 31
Medical Laboratory Technology

Associate in Applied Science Degree in Medical Laboratory Technology (AAS_CLAB)

Occupational Title: Medical Laboratory Technician
Flanagan Campus, Lincoln only

The Medical Laboratory Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Road, Suite 720, Rosemont, IL, 60018; 773-714-8880.

Tremendous advances in medicine have resulted in an ever-increasing demand for diagnostic laboratory tests. The complexity of laboratory sciences today requires a highly trained technician to carry out these intricate analyses. The Medical Laboratory Technology program prepares students to enter this interesting and rewarding field.

This program provides the classroom and laboratory preparation required for students to work under supervision in a hospital or a public or private health laboratory, performing a wide variety of blood, chemical, microbiological, immunological and other clinical laboratory tests. Students undertake three semesters of preparation at CCRI and two semesters at an affiliated site where clinical practices are performed under the supervision of qualified, registered, professional personnel. Techniques of the operation, care, and maintenance of the latest equipment are emphasized throughout the clinical and academic experiences.

The Medical Laboratory Technology program prepares students as medical laboratory technicians with entry-level knowledge, application, and problem-solving skills to competently and safely perform a variety of laboratory procedures and function as an active member of the healthcare team.

Graduates of this program are eligible for employment in a hospital, public or private health laboratory, health care clinic, veterinary office, research lab, crime lab or pharmaceutical lab, performing a wide variety of blood, chemical, microbiological, immunological and other clinical laboratory tests. They also may choose to transfer to a bachelor’s degree program at a four-year college or university.

Graduates are eligible to sit for the national certification examination for MLT given by the ASCP Board of Certification (BOC).

Technical standards: The physical activity (strength) level for medical laboratory technician (078.381-014) is classified as “light” by the Department of Labor.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Medical Laboratory Technology program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; CLAB should be the second choice.

2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/ courses. **Note:** For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.

   **Reading comprehension test** must show competency of 80 or above on classic ACCUPLACER or score of 253 or above on Next-Generation ACCUPLACER or students must complete ENGL 0890 - Critical Reading with a grade of B- or better. ENGL 1300 will not substitute for ENGL 1010.

4. **Complete courses required** for admission with a grade of C or better:
   a. **BIOL 1002 - Introductory Biology: Cellular**

5. **Aptitude Examination** – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. See psbtests.com

6. **GPA** – A cumulative grade point average of 2.0 or better for all college courses.
7. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   
a. **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See [www.ccri.edu/dean-hrs.](http://www.ccri.edu/dean-hrs/)) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

8. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services

Program Requirements
- Students are responsible for the purchase of books, uniforms, and transportation to clinical assignments.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or behavioral performance.
- Students must complete all courses in this program with a cumulative index of 2.0 to qualify for the Associate in Applied Science degree.
- **No grade of less than C** is acceptable in any technical course (MLTC). Students receiving less than C will be dismissed from the program.

RECOMMENDED COURSE SEQUENCE

**PREADMISSION General Education Requirement**
This course must be taken prior to program admission.

**PREADMISSION General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1002</td>
<td>Introductory Biology: Cellular</td>
<td></td>
<td>4</td>
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</table>

Total PREADMISSION General Education Requirements Credits 4

Total Program Credits

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>OR MATH 1175</td>
<td>College Algebra OR Statistics for Health and Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>OR CHEM 1030</td>
<td>Survey of Biomedical Chemistry OR General Chemistry</td>
<td>5</td>
</tr>
</tbody>
</table>

Social Science Elective See this page for a complete list of courses that fulfill the SSCI attribute. 3

Total General Education Requirements Credits 18

Total General Education Credits 22

Unless otherwise noted in course descriptions, major requirements are open only to students who are formally accepted into the program.
## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLTC 1210</td>
<td>Introduction to Clinical Laboratory Science</td>
<td>This course is open to any student interested in the field of medical laboratory technology.</td>
<td>3</td>
</tr>
<tr>
<td>MLTC 1110</td>
<td>Bacteriology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MLTC 1120</td>
<td>Clinical Immunology</td>
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<td>MLTC 1130</td>
<td>Phlebotomy for Medical Laboratory Technicians I</td>
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<td>MLTC 1150</td>
<td>Urinalysis</td>
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<td>MLTC 1160</td>
<td>Immunohematology</td>
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<td>MLTC 1161</td>
<td>Topics in Immunohematology</td>
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<td>MLTC 1190</td>
<td>Fundamentals of Clinical Chemistry</td>
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<td>Phlebotomy for Medical Laboratory Technicians II</td>
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<td>MLTC 1940</td>
<td>Clinical Immunohematology</td>
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<td>MLTC 2120</td>
<td>Hematology</td>
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<td>MLTC 2990</td>
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</table>

Total Major Requirements Credits 53

Total Program Credits 75
Nursing

Associate of Science Degree in Nursing

The Associate Degree of Nursing Program is accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA, 30326; 404-975-5000.

Continuing Accreditation for Associate Degree in Nursing: Last evaluation visit: October 22-24, 2019. Next evaluation visit: Fall 2027. Students who complete and receive an Associate of Science degree in Nursing are eligible to take the licensure examination for Registered Nursing (NCLEX-RN).

The Nursing Program is offered at the Knight (Warwick), Flanagan (Lincoln), Liston (Providence) and Newport County Campuses. An evening/weekend option is offered at the Flanagan campus. Students may apply to any campus. Once accepted, students may not transfer between campuses.

Applicants may earn credits in advance of applying for degree status, but this must be done in consultation with the Office of Enrollment Services. Courses may be taken at the Community College of Rhode Island or at any other accredited college.

Technical Standards: The physical activity (strength) level for a registered nurse (075.364-010) is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles. CCRI Technical Standards are located in the "For Students" tab under Nursing links on the Nursing website.

Note: Many courses require prerequisites, co-requisites and/or testing. See course descriptions for details.

IMPORTANT:
All admission requirements must be completed satisfactorily BEFORE an applicant can be offered acceptance into the Nursing Program. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must reapply to the program and meet the current admission requirements. Once accepted into Nursing, the student must attend a mandatory orientation conducted by the Nursing Department.

GENERAL POLICIES
See important general policies in the beginning of this section on the Performance-Based Health Sciences (PBHS) application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Nursing Program
1. CCRI Application for Enrollment in General Studies with a pre-nursing concentration
2. Official copy of a high school or GED® transcript, or baccalaureate transcript from an accredited institution, including date of graduation or completion
3. ACCUPLACER test issued by CCRI's Department of Advising and Counseling
   a. Reading Comprehension Requirement:
      • Score of 90 or above in Classic Accuplacer is required in Reading Comprehension OR score of 259 or above in Next Generation Accuplacer is required in Reading Comprehension OR ENGL 0890: Critical Reading with a grade of B- or better, OR ENGL 0950 Integrated Critical Reading and Writing with a grade of B- or better.
   b. Mathematics Requirement:
      • Score of 80 or above in Classic Accuplacer is required for Math (Arithmetic) OR score of 255 in Next Generation Accuplacer is required for Math (Arithmetic) OR MATH 0100: Fundamentals of Mathematics with a grade of B- or better
      • Entry point into MATH 0100 is MATH 0095
4. HESI A² Test*
   a. Reading Comprehension and Math with a score of 80 percent or better
   b. Vocabulary/General Knowledge, and Grammar with a score of 75 percent or better

*HESI A²: If the student does not achieve a minimum score on one or more of the tests, the student may retake the necessary test(s) once within the next 12 months. Students are limited to two attempts within a 12-month period from the date the original test was taken. A minimum of two weeks between exams is required. Please note: HESI test scores do not expire.
Community College of Rhode Island

5. Complete the following prerequisite courses. (These courses are limited to two attempts.)
   a. **Option 1:** BIOL 2201*: Anatomy & Physiology I
   b. **Option 2:** BIOL 1010: Human Anatomy with a grade of B- or better and BIOL 1020 Human Physiology with a B- or better
   c. ENGL 1010: Composition I with a grade of C or better
   d. PSYC 2010: General Psychology with a grade of C or better
   
   **NOTE:** All attempts prior to Jan 1, 2015, including transfers, are considered ONE attempt regardless of the number of times the class was taken. If a student fails to meet the satisfactory grade requirements within two attempts, the student must wait five years from the last attempt to retake the course.

   *BIOL 2201 is a companion course of BIOL 2202. Neither of these can be more than six (6) years old at the time of application. If you have taken BIOL 2201 (A&P1) as a prerequisite, you will have to take BIOL 2202 (A&P2) during semester 1 of the Nursing Program and before you begin your second semester in the Nursing program. You may choose to complete A&P2 prior to entrance into the Nursing Program, if desired. As with BIOL 2201, students must achieve a grade of B- or better in BIOL 2202. If required benchmark for this course is not achieved, student may not progress in the program. Remember, though, that A&P2, like A&P1, is limited to two attempts. The transfer of Anatomy and Physiology courses is subject to approval by the CCRI Biology Department Chairperson.

6. A minimum overall cumulative grade point average of 2.7 is required to apply to the program and must be maintained until enrolled in the Nursing program.

   **All above requirements must be met satisfactorily BEFORE submission of the PBHS application and do not guarantee acceptance. Students declining acceptance into the program for the semester offered must resubmit a PBHS application for the program and meet current requirements, in order to be considered for acceptance at a later date.**

7. Complete and submit an online PBHS application at www.ccri.edu/oes/admissions/performancebasedapplications.html. Deadlines are listed on the form.
   a. If applicable, indicate on PBHS application if you have an active CNA certification. Additional admission points will be granted for current CNA certification.

8. Conditionally accepted students are required to complete the following:
   a. When directed by Enrollment Services, submit a background check through CastleBranch.com. Results of BCI may prevent admission due to clinical agencies’ requirements.
   b. Submit all health care requirements to CastleBranch.com by the deadline identified. If applicable, submit a copy of active CNA certification to CastleBranch.com by the deadline identified.
   c. **Final acceptance is based upon completion of the above criteria by stated deadline.**

Program Requirements

- A cumulative GPA of at least 2.5 is required for graduation and the awarding of an Associate of Science degree.
- Students must maintain a passing status (75 or above) in the theoretical and clinical components of each Nursing course. In the event that a student fails either the theory or the clinical component of a required Nursing course, the course must be repeated in its entirety. Nursing courses are graded using a department-specific grading policy (75=C). “C” is considered a passing grade for all nursing courses.

Reinstatement

- Reinstatement to the Nursing Program is based on space availability. Priority is given to students in good academic standing at the time of withdrawal. Students returning to the Nursing Program must be approved by the Scholastic Standing Committee and may be required to repeat previous and/or complete additional course work.
- A student is eligible to repeat only one non-clinical Nursing course, with the exception of dropping/failing both Nursing non-clinical courses simultaneously during a single semester (NURS 1015 and NURS 1061 during Semester 1). If only one non-clinical Nursing course is dropped/failed during Semester 1, that single class will be considered their one and only repeat attempt.
- A student is eligible to repeat only one clinical Nursing course, with the exception of dropping/ failing both clinical Nursing courses simultaneously during a single semester (NURS 1020 and NURS 1023 during Semester 2; NURS 2040 and NURS 2050 during Semester 3, or NURS 2060 and NURS 2500 during Semester 4). If only one clinical Nursing course is dropped/failed during Semesters 2, 3, or 4, that single class will be considered their one and only repeat attempt.

**RECOMMENDED COURSE SEQUENCE**

Suggested course progression reflects full-time status with a minimum of 12 credits.

LPN’s interested in becoming a Registered Nurse can continue their education through the LPN to RN option within the Associate Degree Nursing Program. Click here for more information.
**Prerequisites**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>BIOL 2201</td>
<td>Human Anatomy &amp; Physiology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Humanities Electives</td>
<td>See complete list of courses that fulfill HUMN attribute.</td>
<td></td>
<td>Not required for admission into the Associate in Nursing Degree Nursing program, but is required for graduation.</td>
</tr>
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Total Prerequisites Credits 11

Courses below must be completed before beginning Semester 2.

**Semester 1**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>NURS 1010</td>
<td>Fundamentals of Nursing</td>
<td></td>
<td>6</td>
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<tr>
<td>NURS 1015</td>
<td>Gerontological Nursing</td>
<td></td>
<td>2</td>
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<tr>
<td>NURS 1061</td>
<td>Pharmacology I</td>
<td></td>
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<tr>
<td>BIOL 2202</td>
<td>Human Anatomy &amp; Physiology II</td>
<td></td>
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Total Semester 1 Credits 13

Courses below must be completed before beginning Semester 3.

**Semester 2**

<table>
<thead>
<tr>
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<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tbody>
<tr>
<td>NURS 1020</td>
<td>Medical Surgical Nursing I</td>
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<tr>
<td>NURS 1023</td>
<td>Mental Health Nursing</td>
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<td>NURS 1062</td>
<td>Pharmacology II</td>
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<td>PSYC 2030</td>
<td>Developmental Psychology</td>
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Total Semester 2 Credits 13

Courses below must be completed before beginning Semester 4.

**Semester 3**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
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<th>COURSE NOTES</th>
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<tbody>
<tr>
<td>NURS 2040</td>
<td>Medical/Surgical Nursing II</td>
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<tr>
<td>NURS 2050</td>
<td>Maternal and Child Health Nursing</td>
<td></td>
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<td>NURS 1063</td>
<td>Pharmacology III</td>
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Total Semester 3 Credits 12

**Semester 4**

<table>
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<tr>
<th>COURSE NO.</th>
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<td>NURS 2500</td>
<td>Nursing Capstone</td>
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<td>BIOL 2210</td>
<td>Introductory Microbiology</td>
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</table>

Total Semester 4 Credits 13

Total Prerequisite and In-Program Credits 65
Nursing

Practical Nursing Diploma

The Practical Nursing diploma program is accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA, 30326; 404-975-5000. Continuing Accreditation for Practical Nursing: Last evaluation visit: October 22 - 24, 2019. Next evaluation visit: Fall 2027.

Please Note:
At this time, graduates of the Community College of Rhode Island's Practical Nursing Program are not permitted to take the NCLEX-PN licensure examination in Massachusetts, by order of the Massachusetts Board of Registration in Nursing (MABON), nor will MABON allow CCRI Practical Nursing graduates to obtain licensure in another state and then apply for a Massachusetts license by endorsement/reciprocity.

Students who complete the Practical Nursing course of study receive a diploma and are eligible to take the examination for licensure as a Practical Nurse (NCLEX-PN). Students who complete first semester classes of the Practical Nurse program are eligible to take the examination to become a certified nursing assistant (CNA).

The Practical Nursing program is offered at the Knight (Warwick) campus.

Applicants may earn credits before applying for diploma status, but they must consult with the Office of Enrollment Services. Courses may be taken at the Community College of Rhode Island or at any other accredited college.

Technical Standards: The physical activity (strength) level for a licensed practical nurse (075.374-017) is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles. CCRI Technical Standards are located in the "For Students" tab under Nursing Links on the Nursing website.

Note: Some courses require prerequisites, co-requisites and/or testing. See course descriptions for details.

IMPORTANT:
All admission requirements must be completed satisfactorily BEFORE an applicant can be offered acceptance into the Practical Nursing program. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must reapply to the program and meet the current admission requirements. Once accepted into the Practical Nursing program, the student must attend an orientation conducted by the Nursing Department.

GENERAL POLICIES:
See important general policies in the beginning of this section regarding the Performance-Based Health Sciences (PBHS) application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply for the Practical Nursing program
1. CCRI Application for Enrollment in General Studies with a pre-practical nursing concentration
2. Official copy of a high school or GED® transcript, or baccalaureate transcript from an accredited institution, including date of graduation or completion
3. If applicable, submit a copy of current CNA licensure to the Office of Enrollment Services. Additional admission points will be granted for current CNA licensure.
4. **ACCUPLACER test issued by CCRI’s Department of Advising and Counseling**
   - Reading Comprehension Requirement: ONE of the following three options is required for admission
     - Score of 90 or above in Classic Accuplacer OR
     - Score of 259 or above in Next Generation Accuplacer OR
     - ENGL 0890: Critical Reading, with a grade of B- or better OR
     - ENGL 0950 Integrated Critical Reading and Writing with a grade of B- or better.
   - Mathematics Requirement: ONE of the following three options is required for admission
     - Score of 80 or above in Classic Accuplacer Math (Arithmetic) OR
     - Score of 245 in Next Generation Accuplacer Math (Arithmetic) OR
     - MATH 0100: Fundamentals of Mathematics, with a grade of B- or better (Entry point into MATH 0100 is MATH 0095)

**NOTE:** All attempts at MATH 0100 (or MATH 0099 prior to January 1, 2018), including transfers, are considered ONE attempt regardless of the number of times the class was taken. If a student fails to meet the satisfactory grade requirements within two attempts, the student must wait five years from the most recent attempt to retake the course.

5. **HESI A² Test:** Score of 70 percent or better on each section. If a student does not achieve at least a 70 percent on one or more of the HESI A² tests, he or she may retake the necessary test(s) once within the next 12 months. Students are limited to two attempts within the 12-month period from the date the original test was taken. A minimum of two weeks between exams is required. **Please note:** HESI test scores do not expire.

6. Complete the following prerequisite course: ENGL 1010: Composition I, with a grade of C or better **NOTE:** This course is limited to two attempts. All attempts prior to Jan 1, 2015, including transfers, are considered ONE attempt regardless of the number of times the class was taken. If a student fails to meet the satisfactory grade requirement within two attempts, the student must wait five years from the most recent attempt to retake the course.

7. A minimum overall cumulative grade point average of 2.0 is required to apply to the program and must be maintained while enrolled in the Practical Nursing program. **All above requirements must be met satisfactorily BEFORE submission of the PBHS application and do not guarantee acceptance. Students declining acceptance into the program for the semester must resubmit a PBHS application for the program and meet current requirements.**

8. Complete and submit an online PBHS application at [www.ccri.edu/oes/admissions/performancebasedapplications.html](http://www.ccri.edu/oes/admissions/performancebasedapplications.html) Deadlines are listed on the form.

9. Conditionally accepted students are required to complete the following:
   a. When notified by the Office of Enrollment Services, submit a background check through CastleBranch.com by the deadline identified. Results of BCI may prevent admission due to clinical agencies’ requirements.
   b. Submit all required health records to CastleBranch.com by the deadline identified.
   c. If applicable, submit a copy of active CNA certification to CastleBranch.com by the deadline identified.
   d. **Final acceptance is based upon completion of the above criteria by the deadlines identified in the conditional acceptance notification.**

---

**Program Requirements**

- A cumulative GPA of at least 2.0 is required for graduation and the awarding of a Practical Nursing diploma.
- Students must maintain a passing status (that is, with a grade of 75 or above) in the theoretical and clinical components of each Practical Nursing course. In the event that a student fails either the theory or the clinical component of a required Practical Nursing course, the course must be repeated in its entirety. Nursing courses are graded using a department specific grading policy (75=C). “C” is considered a passing grade for all nursing courses.
- **BIOL 1070:** Human Anatomy and Physiology, is required in Semester 1 of the Practical Nursing program. Students must achieve a grade of C or better in the course. If the required benchmark for this course is not achieved, student may not progress in the program. Students are limited to two attempts. Note: The requirement of BIOL 1070 will be waived if the student has taken [both BIOL 1010 and BIOL 1020](http://www.ccri.edu/oes/admissions/performancebasedapplications.html) or [BIOL 2201](http://www.ccri.edu/oes/admissions/performancebasedapplications.html) and received a grade of C or better **in both of them.**
- **Note:** BIOL 1020 (Human Physiology) grade is valid for five years and BIOL 2201/2202 (Anatomy & Physiology I and II) grades are valid for six years.

---

**Reinstatement**

- Reinstatement to the Practical Nursing program is based on space availability. Priority is given to students in good academic standing at the time of withdrawal. Students returning to the Practical Nursing program must be approved by the Scholastic Standing Committee and may be required to repeat previously done course work and/or complete additional course work.
- A student is eligible to repeat only one non-clinical Nursing course, with the exception of dropping/failing both Nursing non-clinical courses simultaneously during Semester 1 (NURS 1015P and NURS 1061P). If only one non-clinical Nursing course is dropped/failed during Semester 1, that single class will be considered their one and only repeat attempt.
• A student is eligible to repeat only one clinical Nursing course. If one clinical Nursing course is dropped/failed during any semester, that single class will be considered their one and only repeat attempt.
• A student requesting to repeat a Nursing course must meet the current admissions criteria.

Suggested course progression reflects full-time status with a minimum of 12 credits for the first two semesters. Students in the Practical Nursing program are required to take only 11 credits in their final semester.

Suggested course progression*

**Prerequisites**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
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</tbody>
</table>

Total Prerequisites Credits
3

Courses below must be completed before beginning Semester 2.

**SEMESTER 1**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<td>NURP 1010</td>
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<tr>
<td>NURP 1015P</td>
<td>Gerontology</td>
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<tr>
<td>NURS 1061P</td>
<td>Pharmacology I</td>
<td></td>
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<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
<td>BIOL 1010 &amp; BIOL 1020 or BIOL 2201 &amp; BIOL 2202 with a final grade of C or better in each will waive the in-program requirement of BIOL 1070</td>
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Total SEMESTER 1 Credits
13

Courses below must be completed before beginning Semester 3.

**SEMESTER 2**

<table>
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<tr>
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<td>NURP 1020</td>
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<td>NURS 1062P</td>
<td>Pharmacology II</td>
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<td>PSYC 2010</td>
<td>General Psychology</td>
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Total SEMESTER 2 Credits
14

**SEMESTER 3**

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<thead>
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<th>COURSE TITLE</th>
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<td>NURP 1030</td>
<td>Practical Nursing 3</td>
<td></td>
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<tr>
<td>NURP 2500</td>
<td>PN Capstone</td>
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</table>

Total SEMESTER 3 Credits
11

*Course progression reflects two semesters of full-time status with a minimum of 12 credits.
Occupational Therapy Assistant

Associate in Applied Science Degree in Occupational Therapy Assistant (AAS_OCTA)

Occupational Title: Occupational Therapy Assistant
Newport County Campus only
Evening/Weekend Program (Fieldwork-days)

The Occupational Therapy Assistant program at CCRI is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE). You may find out more at [www.acoteonline.org](http://www.acoteonline.org) or you may contact ACOTE at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929 or call 301-652-6611 ext 2042.

Occupational therapy is the use of purposeful activity and interventions to promote health and achieve functional outcomes in areas such as activities of daily living, work, play, or education activities. Achieving functional outcomes means to develop, improve or restore the highest level of independence to any individual who is limited by physical injury or illness, cognitive impairment, psychosocial dysfunction, mental illness, developmental or learning disability or an adverse environmental condition. Occupational therapy helps people of all ages lead productive, satisfying lives.

The Occupational Therapy Assistant program is offered at the Newport County Campus. It is an evening/weekend program; however, fieldwork experiences are offered during the day. Although Occupational Therapy Assistant courses are offered at the Newport County Campus, the required general education courses may be taken at other CCRI campuses or sites prior to acceptance. All fieldwork courses shall be completed within 18 months following completion of the academic preparation.

Students successfully completing the accredited program earn an Associate in Applied Science degree in Occupational Therapy Assistant (AAS_OCTA) and are eligible to sit for the national certification examination for occupational therapy assistants, which is administered by the National Board for Certification in Occupational Therapy, Inc. (NBCOT). An individual must successfully pass the certification examination to apply for licensure to practice as a certified occupational therapy assistant in the state of Rhode Island.

Technical standards: The physical activity level for occupational therapy assistants is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Occupational Therapy Assistant program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; OCTA should be the second choice.
2. **High school transcript** – Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Complete RHAB 1100 - Foundational Kinesiology (recommended) and it may be considered in the performance-based acceptance process.
4. **Placement** – Complete a standardized test (ACCUPLACER NEXT GENERATION) issued by CCRI’s Department of Advising and Counseling. Competency of 250 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of B- or better.
5. **Complete the following courses** with a grade of C or better:
   a. BIOL 1020 - Human Physiology or BIOL 2202 Anatomy and Physiology II
   b. MATH 1025 - Introduction to College Math or MATH 1200, 1210, 1139, 1138, 1175, 1240, 1241, 2077, 2138, 2111, 2141, 2143, 2243. (Highest grade earned in any of these courses will be calculated in the point system.)
   c. ENGL 1010 - Composition I. ENGL 1300 will not substitute.
   d. PSYC 2010 - General Psychology
   e. PSYC 2030 - Developmental Psychology
   f. COMM 1100 - Public Speaking
6. **Complete the following courses** with a grade of B- or better:
   a. BIOL 1010 - Human Anatomy or BIOL 2201 Anatomy and Physiology I
   b. OCTA 1000 - Introduction to Occupational Therapy
   c. RHAB 1010 - Medical Terminology for Rehabilitation
7. **GPA** – Earn a cumulative grade point average of 2.7 or better for all college courses taken.
8. **Health Sciences application** – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period. The application and instructions can be found at [www.ccri.edu/oes/admissions/index.html](http://www.ccri.edu/oes/admissions/index.html).
   a. **IMPORTANT:** All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into the Occupational Therapy program, the student must attend a mandatory orientation conducted by the Rehabilitative Health Department.
9. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check. A felony conviction will not preclude admission to the program. However, it can impact Level I and II fieldwork placement availability, as well as graduate eligibility for certification and credentialing. No incident or probation can have occurred within the past seven years. Applicants convicted of a felony will need to comply with state licensure requirements from the Rhode Island Department of Health. For more information, contact the department chairperson.

**RECOMMENDED COURSE SEQUENCE**

**PREADMISSION General Education Requirements**
These courses must be taken prior to program admission.

**PREADMISSION General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010 OR BIOL 2201</td>
<td>Human Anatomy OR Human Anatomy and Physiology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1020 OR BIOL 2202</td>
<td>Human Physiology OR Human Anatomy and Physiology II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 1025</td>
<td>Introduction to College Mathematics</td>
<td></td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
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<td>COMM 1100</td>
<td>Public Speaking</td>
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</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
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<tr>
<td>PSYC 2030</td>
<td>Developmental Psychology</td>
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</tr>
</tbody>
</table>

**Total PREADMISSION General Education Requirements Credits**

| **Total Program Credits** | **24** |

**PREADMISSION Major Education Requirements**
These courses must be taken prior to program admission.

**PREADMISSION Major Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
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<tbody>
<tr>
<td>OCTA 1000</td>
<td>Introduction to Occupational Therapy</td>
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<tr>
<td>RHAB 1010</td>
<td>Medical Terminology for Rehabilitative Health</td>
<td></td>
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**Total PREADMISSION Major Education Requirements Credits**

| **Total Program Credits** | **3** |

Students must be accepted into the program before taking any major requirements.
### Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
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<tr>
<td>RHAB 1110</td>
<td>Kinesiology</td>
<td></td>
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<tr>
<td>OCTA 1010</td>
<td>Fundamentals of Treatment I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>RHAB 1030</td>
<td>Pathophysiology for Rehabilitative Health Practitioners</td>
<td></td>
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<tr>
<td>OCTA 1070</td>
<td>Tests and Measurements for Occupational Therapy Assistants</td>
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<td>2</td>
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<tr>
<td>OCTA 1030</td>
<td>Fundamentals of Treatment II</td>
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<td>OCTA 1040</td>
<td>Gerontologic Occupational Therapy</td>
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<td>OCTA 1050</td>
<td>Pediatric Occupational Therapy</td>
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<tr>
<td>OCTA 1060</td>
<td>Level I Fieldwork</td>
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<td>OCTA 1080</td>
<td>Therapeutic Activity Group Skills</td>
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<td>OCTA 2010</td>
<td>Psychosocial Occupational Therapy</td>
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<tr>
<td>OCTA 2020</td>
<td>Physical Rehabilitation and Health</td>
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<tr>
<td>OCTA 2030</td>
<td>Occupational Therapy Assistant Level IIA Fieldwork</td>
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<td>OCTA 2035</td>
<td>Occupational Therapy Assistant Level IIB Fieldwork</td>
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<tr>
<td>OCTA 2040</td>
<td>Occupational Therapy Assistant Fieldwork Seminar</td>
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Total Major Education Requirements Credits: 45

Total Preadmission Credits: 27
Total Major Credits: 45
Total Program Credits: 72
Opticianry

Associate in Applied Science Degree in Opticianry (AAS_OPTI)

This program is currently pending revisions and will be updated upon RI Council on Postsecondary Education approval.

The responsibilities of dispensing opticians include the fitting and fabrication of optical frames and lenses, helping patients decide on the correct frames for their prescription, conferring with doctors on the best or needed types of lens products for a patient, and daily management of an optical practice. Opticians can work as independent practitioners, for an ophthalmologist, optometrist or for any type of business where the dispensing of eyewear is needed. Opticians also can branch into sales of frames, lenses, machinery or management.

The CCRI Opticianry program, one of only four programs located in New England, integrates classroom and laboratory preparation with clinical practice for students to learn and practice the skills and behaviors required to be an optician. Core courses include lecture, laboratory and clinical education experiences in various ophthalmic settings where students utilize skills in the clinic that were learned in the classroom while being mentored by a preceptor who is a licensed ophthalmologist, optometrist or optician.

General education courses for the Opticianry program can be taken at any campus. Major courses in the Opticianry program are primarily offered in a distance learning format. Each course has online modules which students are required to complete independently within a specific time frame. Some onsite participation is required for course lectures and hands-on training sessions which are typically held on Saturdays or evenings for approximately three hours at a time. Clinical experiences are scheduled at optical facilities and typically run during daytime hours Monday through Saturday. The specific clinical experience schedule depends on the schedule of the clinical site and the clinical instructor to which each student is assigned.

Successful completion of the CCRI Opticianry program allows students to apply for licensure in Rhode Island and nationally and take the National Opticianry Competency Examination (NOCE) administered by the American Board of Opticianry (ABO) as well as complete a regional practical examination.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Opticianry program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; OPTI should be the second choice.
2. **High school transcript** – Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **ENGL 1300 will not substitute for ENGL 1010.**
4. **Placement testing** – Complete a standardized test (ACCUPLACER NEXT GENERATION) issued by CCRI’s Department of Advising and Counseling.
   - **Reading comprehension test** must show competency of 250 or above or students must complete ENGL 0890: Critical Reading with a grade of B# or better
   - **English (writing) test** must show readiness to take ENGL 1010: Composition I or students must complete ENGL 1005: College Writing with a grade of C or better. ENGL 1300 will not substitute for ENGL 1010.
5. **Prerequisites** – Complete the following prerequisite courses with a grade of C or better: – MATH 1179 - Applied Technical Math or MATH 1200 - College Algebra
   May substitute MATH 1175, 1240, 1241, 2077, 2138, 2111, 2141, 2142, 2243. (Highest grade earned in any of these courses will be calculated in the point system.)
6. **GPA** – Earn a cumulative grade point average of 2.0 or better for all college courses taken.
7. **Health Sciences application** – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period. The application and instructions can be found at [www.ccri.edu/oes/admissions/index.html](http://www.ccri.edu/oes/admissions/index.html).
   a. IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current
admission requirements for the application period in which they reapply. Once accepted into the Opticianry program, the
student must attend a mandatory orientation conducted by the Rehabilitative Health Department.

8. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.

**RECOMMENDED COURSE SEQUENCE**

**PREADMISSION General Education Requirement**
This course must be taken prior to program admission.

**PREADMISSION General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1179</td>
<td>Applied Technical Math I OR College Algebra</td>
<td></td>
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<tr>
<td>OR MATH 1200</td>
<td></td>
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<td>Total PREADMISSION General Education Requirements Credits</td>
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**Total Program Credits**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
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<tr>
<td>MATH 1181</td>
<td>Applied Technical Math II OR College Trigonometry</td>
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<tr>
<td>OR MATH 2110</td>
<td></td>
<td></td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
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<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
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<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
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<td>PSYC 1050</td>
<td>Psychology in the Workplace</td>
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Students must be accepted into the program before taking any major requirements.

**Major Education Requirements**

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<thead>
<tr>
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<th>COURSE NOTES</th>
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<tr>
<td>OPTI 1010</td>
<td>Optical Theory I</td>
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<tr>
<td>OPTI 1020</td>
<td>Ophthalmic Laboratory I</td>
<td></td>
<td>3</td>
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<tr>
<td>OPTI 1030</td>
<td>Ophthalmic Dispensing I</td>
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<tr>
<td>OPTI 1040</td>
<td>Anatomy and Physiology of the Eye</td>
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<tr>
<td>OPTI 1050</td>
<td>Optical Theory II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OPTI 1060</td>
<td>Ophthalmic Laboratory II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OPTI 1070</td>
<td>Ophthalmic Dispensing II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OPTI 1080</td>
<td>Ophthalmic Dispensing Clinical I</td>
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<td>OPTI 2020</td>
<td>Ophthalmic Laboratory Skills I</td>
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<td>OPTI 2010</td>
<td>Ophthalmic Dispensing Clinical II</td>
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<tr>
<td>OPTI 2060</td>
<td>Ophthalmic Laboratory Skills II</td>
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<tr>
<td>OPTI 2040</td>
<td>Introduction to Contact Lenses</td>
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<td>OPTI 2050</td>
<td>Ophthalmic Dispensing Clinical III</td>
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<tr>
<td>OPTI 2070</td>
<td>Contact Lens Clinical I</td>
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<tr>
<td>OPTI 2030</td>
<td>Optical Business Management</td>
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<td>Total Major Education Requirements Credits</td>
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</table>
Community College of Rhode Island

Total Program Credits 67
Phlebotomy

Certificate in Phlebotomy (CERT_PHLE)

Liston Campus, Providence – Days; Fall and Spring semesters
Liston Campus, Providence – Evenings; Fall semester

Phlebotomists are essential members of the healthcare delivery team who primarily are responsible for collecting blood specimens from patients for laboratory testing. The phlebotomist plays a vital role by obtaining quality specimens that enable the laboratory to deliver meaningful and accurate test results to assist the physician in diagnosis.

The Phlebotomy certificate program is a part-time, two-semester program, offering three classes per year. The program includes lectures and laboratory experiences at CCRI as well as practical training at a clinical site. Instruction is designed to provide both the technical and interpersonal skills required for the competent and professional practice of phlebotomy.

Upon successful completion of this program, graduates are eligible to sit for a national certification examination for phlebotomy given by recognized agencies. Qualified phlebotomists may be employed in hospital laboratories, private laboratories, doctors’ offices, clinics, emergency rooms or blood donor centers.

Phlebotomy students are eligible for financial aid and the Dean’s List.

Technical standards: The physical activity level (strength) level for phlebotomist (079. 36.022) is classified as “light” by the Department of Labor Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Phlebotomy certificate program

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; PHLE should be the second choice.
2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/ courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.
   a. Reading comprehension test must show competency of 80 or above in Classic ACCUPLACER or a score of 253 or above in Next-Generation ACCUPLACER or students must complete ENGL 0890 - Critical Reading with a grade of B- or better. ENGL 1300 will not substitute for ENGL 1010.
4. Health Sciences application – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   a. IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements.
5. Background check – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

• Maintain at least a grade of C in PHLE I and II.
• Maintain a cumulative GPA of 2.0 or greater.
• Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.
• ENGL 1300 may not be substituted for ENGL 1010.
**RECOMMENDED COURSE SEQUENCE**

- First semester: ENGL 1010; PHLE 1010; MLTC 1960; MEDL 2400
- Second semester: PHLE 1020; MLTC 1170; RESP 2140

### Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
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<tr>
<td>PHLE 1010</td>
<td>Phlebotomy I</td>
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<tr>
<td>MLTC 1960</td>
<td>Clinical Laboratory Information Systems</td>
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<td>MEDL 2400</td>
<td>ICD-CM Medical Insurance Coding</td>
<td></td>
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<tr>
<td>PHLE 1020</td>
<td>Phlebotomy II</td>
<td>Students must be available to train weekdays (eight hours per day, five days per week) for three consecutive weeks.</td>
<td>6</td>
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<tr>
<td>MLTC 1170</td>
<td>Quality Assurance for Point of Care Laboratory Testing</td>
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<tr>
<td>RESP 2140</td>
<td>Basics of Electrocardiography</td>
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<th>Total Certificate Requirements Credits</th>
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</table>

<table>
<thead>
<tr>
<th>Total Program Credits</th>
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</tr>
</thead>
</table>
Physical Therapist Assistant

Associate in Applied Science Degree in Physical Therapist Assistant (AAS_PHTA)

Occupational Title: Physical Therapist Assistant
Newport County Campus only

The Physical Therapist Assistant program is accredited by the Commission on Accreditation of Physical Therapy Education (CAPTE), 1111 North Fairfax St., Alexandria, VA, 22314; accreditation@APTA.org; www.capteonline.org; 703-706-3245.

Physical therapist assistants work under the supervision of a physical therapist utilizing prescribed activities to help patients recover physical function lost through disease, injury or other causes, and to relieve pain and promote healing. Licensed physical therapist assistants work in public or private hospitals, clinics, school systems or other health agencies.

The Physical Therapist Assistant program is a full-time, day program. It consists of a variety of courses that includes physical therapy theory and practice as well as supporting courses from general education.

Students who successfully complete this program are eligible to take the licensure examination for physical therapist assistants.

Technical standards: The physical activity level for the physical therapist assistant is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Physical Therapist Assistant program

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; PHTA should be the second choice.
2. High school transcript – Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing
   – Must earn English placement test results (ACCUPLACER NEXT GENERATION) issued by CCRI’s Department of Advising and Counseling, must show readiness to take ENGL 1010: Composition I or the applicant must have completed ENGL 1005: College Writing with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.
   – Complete a standardized test (ACCUPLACER NEXT GENERATION) issued by CCRI’s Department of Advising and Counseling. Competency of 250 or above is required for reading comprehension or completion of ENGL 0890L Critical Reading with a grade of “B-” or better.
   – Demonstrate competency at MATH 1025 level or complete MATH 0099 with a C or better. The following courses will substitute for MATH 1025: MATH 1200, 1210, 1139, 1138, 1175, 1240, 1241, 2077, 2138, 2111, 2141, 2142, 2243, 1910, 1920, 2910. (Highest grade earned in any of these courses will be calculated in the point system.)
4. Complete RHAB 1100 - Foundational Kinesiology (recommended) and it may be considered in the performance-based acceptance process.
5. Complete the following courses with a grade of B- or better:
   a. BIOL 1010 - Human Anatomy or BIOL 2201 Anatomy and Physiology I
   b. PHTA 1000 - Introduction to the Physical Therapist Assistant
   c. RHAB 1010 - Medical Terminology for Rehabilitation
6. GPA – Earn a cumulative grade point average of 2.7 or better for all college courses taken
7. Health Sciences application – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period. The application and instructions can be found at www.ccri.edu/oes/admissions/index.html.
   a. IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into Physical Therapist Assistant program, the student must attend a mandatory orientation conducted by the Rehabilitative Health Department.
8. Background check – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.
## RECOMMENDED COURSE SEQUENCE

### PREADMISSION General Education Requirement
This course must be taken prior to program admission.

#### PREADMISSION General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010 OR BIOL 2201</td>
<td>Human Anatomy OR Human Anatomy and Physiology I</td>
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</tr>
</tbody>
</table>

Total PREADMISSION General Education Requirements Credits: 4

#### General Education Requirements

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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1020 OR BIOL 2202</td>
<td>Human Physiology OR Human Anatomy and Physiology II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 1025</td>
<td>Introduction to College Mathematics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2030</td>
<td>Developmental Psychology</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits: 20

### PREADMISSION Major Requirements
These courses must be taken prior to program admission.

#### PREADMISSION Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTA 1000</td>
<td>Introduction to the Physical Therapist Assistant</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>RHAB 1010</td>
<td>Medical Terminology for Rehabilitative Health</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Total PREADMISSION Major Requirements Credits: 3

#### Total Program Credits

Total Program Credits: 23

Students must be accepted into the program before taking any major requirements.
<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHAB 1110</td>
<td>Kinesiology</td>
<td>Students are strongly encouraged to take RHAB 1110 in the summer semester prior to entering the program.</td>
<td>4</td>
</tr>
<tr>
<td>PHTA 1120</td>
<td>Tests and Measurements for Physical Therapist Assistants</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>PHTA 1010</td>
<td>Physical Therapist Assistant I</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>PHTA 1020</td>
<td>Physical Therapist Assistant II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>RHAB 1030</td>
<td>Pathophysiology for Rehabilitative Health Practitioners</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHTA 2910</td>
<td>Clinical Education I</td>
<td>40 hours of clinical education for six weeks for a total of 240 hours for PHTA 2910, 2920 and 2930.</td>
<td>3</td>
</tr>
<tr>
<td>PHTA 2010</td>
<td>Physical Therapist Assistant III</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>PHTA 2920</td>
<td>Clinical Education II</td>
<td>40 hours of clinical education for six weeks for a total of 240 hours for PHTA 2910, 2920 and 2930.</td>
<td>3</td>
</tr>
<tr>
<td>PHTA 2020</td>
<td>Physical Therapist Assistant IV</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>PHTA 2930</td>
<td>Clinical Education III</td>
<td>40 hours of clinical education for six weeks for a total of 240 hours for PHTA 2910, 2920 and 2930.</td>
<td>3</td>
</tr>
<tr>
<td>PHTA 2040</td>
<td>Career Development Seminar</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>RHAB 1100, PHTA 1220, or 2030</td>
<td>Foundational Kinesiology, Basic Therapeutic Exercise, or Physical Therapy Impaired Neuro Function</td>
<td>OPTIONAL BUT STRONGLY RECOMMENDED</td>
<td></td>
</tr>
</tbody>
</table>

Total Major Education Requirements Credits 43

Total Program Credits 70
Radiography

Associate in Applied Science Degree in Radiography (AAS_XRAY)

Occupational Title: Radiologic Technologist
Flanagan Campus, Lincoln only

The Radiography program offered by the community college is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, IL, 60606; 312-704-5300.

This is a 24-month program that begins in June. Students enrolled in the program participate in six semesters of classroom instruction at the college and clinical education at imaging facilities affiliated with the program. Students should apply in February during the open application period for the Health Sciences programs.

Students successfully completing the program are eligible to take the American Registry of Radiologic Technologists examination. Graduates of this program are prepared for entry-level employment as radiographers in hospitals, clinics, and private offices. Radiographers are licensed in the state of Rhode Island.

Technical standards can be accessed through the Radiography program Web page at www.ccri.edu/alliedhealth/radiography.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Radiography program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; XRAY should be the second choice.

2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. **Note:** For application purposes, ACCUPLACER testing may be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses. **Reading comprehension test** must show competency of 80 or above in Classic ACCUPLACER or a score of 253 or above in Next-Generation ACCUPLACER or students must complete ENGL 0890 - Critical Reading with a grade of B- or better

4. **Complete courses required** for admission with a grade of C or better:
   a. ENGL 1010 - Composition I. ENGL 1300 will not substitute for ENGL 1010.
   b. MATH 1200 - College Algebra (MATH 2111 and 2141 also meet this requirement.)
   c. XRAY 1000 - Introduction to Radiography

5. **GPA** – A cumulative grade point average of 2.0 or better for all college courses taken.

6. **Aptitude Examination** – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. (See psbtests.com.)

7. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   a. **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

8. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

- Students must complete all courses in this program with a cumulative GPA index of 2.0 to qualify for the Associate in Applied Science degree.
• No grade less than C is acceptable in any of the technical courses (XRAY); students receiving less than C will be dismissed from the program.
• Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.

RECOMMENDED COURSE SEQUENCE

PREADMISSION General Education Requirements
These courses must be taken prior to program admission.

PREADMISSION General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR MATH 2111</td>
<td>OR Pre-Calculus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR MATH 2141</td>
<td>OR Calculus I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total PREADMISSION General Education Requirements Credits 6

Total Program Credits 6

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ENGL</td>
<td>Literature elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td></td>
<td>See this page for a complete list of courses that fulfill the HUMAN or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>OR Social Science Elective</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 1110</td>
<td>Radiographic Physics</td>
<td>This course is open only to students enrolled in the Radiography Program.</td>
<td>4</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 14

PREADMISSION Major Requirement
This course must be taken prior to program admission.

PREADMISSION Major Requirement

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>XRAY 1000</td>
<td>Introduction to Radiography</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total PREADMISSION Major Requirement Credits 3

Total Program Credits 3

Students must be accepted into the program before taking any major requirements (except XRAY 1000).
<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>XRAY 1010</td>
<td>Clinical Radiography</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XRAY 1110</td>
<td>Principles of Radiography I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XRAY 1220</td>
<td>Principles of Radiography II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XRAY 1130</td>
<td>Radiographic Anatomy and Physiology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XRAY 1910</td>
<td>Radiography I</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>XRAY 1230</td>
<td>Patient Care for Radiographers</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>XRAY 2430</td>
<td>Sectional Imaging</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XRAY 1920</td>
<td>Radiography II</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>XRAY 1930</td>
<td>Radiography III</td>
<td></td>
<td>6</td>
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<tr>
<td>XRAY 2340</td>
<td>Quality Assurance in Radiography</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>XRAY 2460</td>
<td>Principles of Imaging Diverse Patient Populations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XRAY 2910</td>
<td>Radiography IV</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>XRAY 2410</td>
<td>Introduction to Radiation Biology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>XRAY 2470</td>
<td>Radiographic Pathology</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>XRAY 2920</td>
<td>Radiography V</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MLTC 1180</td>
<td>Specimen Collection and Handling for Healthcare Professionals</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits | 54

Total Program Credits 75
Renal Dialysis Technology

Certificate in Renal Dialysis Technology (CERT_RENL)

Liston Campus, Providence

The Renal Dialysis certificate program is a two-semester program that prepares individuals to work as renal dialysis technicians in outpatient settings. Students receive theoretical and practical preparation. Various aspects of kidney disease and the principles of dialysis are covered. Dialysis modalities, dialysis devices, dialyzer reprocessing and water treatment also are included. A practicum in a dialysis facility provides students, under the supervision of an instructor in the clinical area, the opportunity to experience first-hand the role of a renal dialysis technician. Successful completion of the program qualifies graduates for entry-level employment as a dialysis technician. Students are eligible to sit for the National Nephrology Technician Certification Examination after 18 months of practice in a dialysis unit.

Note: Students must be enrolled in the Renal Dialysis Technology certificate program to register for RENL 1010, 1020, 1030, MLTC 1170 and 1180. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Renal Dialysis Technology certificate program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; RENL should be the second choice.

2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/ courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.
   a. **Reading comprehension test** must show competency of 80 or above in Classic ACCUPLACER or a score of 253 or above in Next Generation Accuplacer or students must complete ENGL 0890 - Critical Reading with a grade of B- or better.
   b. **English (writing) test** must show readiness to take ENGL 1010 - Composition I or students must complete ENGL 1005 - College Writing with a grade of C or better. ENGL 1300 will not substitute for ENGL 1010.

4. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   a. **IMPORTANT**: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See [www.ccri.edu/dean-hrs](http://www.ccri.edu/dean-hrs).) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

5. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

- Student must hold current CPR certification (AHA Healthcare Provider Level) prior to RENL 1010.

**RECOMMENDED COURSE SEQUENCE**

- First semester (Fall): ENGL 1010; MLTC 1170, 1180; RENL 1010
- Second semester (Spring): RENL 1020, 1030
### Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>RENL 1010</td>
<td>Renal Dialysis Technology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MLTC 1170</td>
<td>Quality Assurance for Point of Care Laboratory Testing</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MLTC 1180</td>
<td>Specimen Collection and Handling for Healthcare Professionals</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>RENL 1020</td>
<td>Patient Care and Assessment for Renal Dialysis Technicians</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>RENL 1030</td>
<td>Renal Dialysis Technology II</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Total Certificate Requirements Credits</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

| Total Program Credits | 18 |

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Respiratory Therapy

Associate in Applied Science Degree in Respiratory Therapy (AAS_RESP)

Occupational Title: Respiratory Therapist
Flanagan Campus, Lincoln only

Program accredited by the Commission on Accreditation for Respiratory Care (CoARC), 264 Precision Blvd., Telford, TN, 37690, www.coarc.com; 817-283-2835.

Visit www.coarc.com/students/programmatic-outcome-data.aspx for programmatic outcomes data.

Respiratory therapy is an allied health profession in which respiratory therapists work under the direction of a physician to evaluate, treat and care for patients with breathing disorders. This two-year program incorporates college classes with clinical practice. Students learn fundamental respiratory care concepts and to perform procedures with attention to critical detail while maintaining aseptic technique and appropriate safety precautions.

The program offers students clinical training in a variety of settings, including neonatology, critical care, pulmonary function, clinic and home care.

Graduates of the Respiratory Therapy program are eligible to sit for the National Board for Respiratory Care (NBRC) Entry Level (CRT) credentialing examination (requirement for state licensing) and the National Board for Respiratory Care (NBRC) Advanced Level (RRT) credentialing examinations.

The mission of the Respiratory Therapy program is to prepare students as registered respiratory therapists

Technical standards: The physical activity (strength) for respiratory therapy (076.361-014) is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Maximum requirements to apply to the Respiratory Therapy program

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; RESP should be the second choice.

2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/ courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.

Reading comprehension test must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading or ENGL 0950 - Integrated Critical Reading and Writing with a grade of B- or better.

4. Complete courses required for admission with a grade of C+ or better:
   a. CHEM 1010 or CHEM 1030 - Survey of Biomedical Chemistry or General Chemistry I
   b. BIOL 2201 - Human Anatomy & Physiology I
   c. BIOL 2202 - Human Anatomy & Physiology II
   d. RESP 1000 - Introduction to Respiratory Therapy
   e. MATH 1175 or MATH 1200 or MATH 1025 - Statistics for Health & Social Sciences or College Algebra or Introduction to College Mathematics

5. GPA – A grade point average of 2.5 or better for all college courses taken.

6. Health Sciences application – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   a. IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the
current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

7. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

- Maintain a cumulative GPA of 2.5 or higher
- Obtain at least a grade of C+ in CHEM, MATH, BIOL, and RESP-coded courses

**RECOMMENDED COURSE SEQUENCE**

**PREADMISSION Requirements**

These courses must be taken prior to program admission.

**PREADMISSION Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2201</td>
<td>Human Anatomy &amp; Physiology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2202</td>
<td>Human Anatomy &amp; Physiology II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>General Chemistry I</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>OR</td>
<td>CHEM 1030</td>
<td>OR Survey of Biomedical Chemistry</td>
<td></td>
</tr>
<tr>
<td>RESP 1000</td>
<td>Introduction to Respiratory Therapy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1175</td>
<td>Statistics for Health &amp; Social Sciences</td>
<td>OR College Algebra OR Introduction to College Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total PREADMISSION Requirements Credits 19

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
</table>

Total Program Credits 19

Students must be accepted into the program before taking the Respiratory Therapy (RESP) courses in the following sequence:

**Year 1 - Semester 1**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESP 1010</td>
<td>Respiratory Care I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>RESP 1012</td>
<td>Pre-Clinical Practice</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>ENGL 1300 does not substitute</td>
<td>3</td>
</tr>
<tr>
<td>Humanities or Social Science</td>
<td>See approved list*</td>
<td></td>
<td>3</td>
</tr>
</tbody>
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Total Year 1 - Semester 1 Credits 12

**Year 1 - Semester 2**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2210</td>
<td>Introductory Microbiology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>RESP 1100</td>
<td>Respiratory Care II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>RESP 1800</td>
<td>Clinical Practicum I</td>
<td>(15 weeks, 8 hrs/week)</td>
<td>1</td>
</tr>
<tr>
<td>RESP 2110</td>
<td>Respiratory Critical Care</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Year 1 - Semester 2 Credits 12
## Summer Session

### Year 2 - Semester 1

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESP 2800</td>
<td>Clinical Practicum II</td>
<td>(6 weeks, 24 hrs/week)</td>
<td>2</td>
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</tbody>
</table>

Total Summer Session Credits: 2

### Year 1 - Semester 2

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESP 2020</td>
<td>Cardiopulmonary Diseases I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>RESP 2120</td>
<td>Respiratory Care III</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>RESP 2810</td>
<td>Clinical Practicum III</td>
<td>(14 weeks, 24 hrs/week)</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
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</tbody>
</table>

Total Year 1 - Semester 2 Credits: 15

### Year 2 - Semester 2

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESP 2030</td>
<td>Cardiopulmonary Diseases II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>RESP 2130</td>
<td>Respiratory Care IV</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>RESP 2820</td>
<td>Clinical Practicum IV</td>
<td>(14 weeks, 16 hrs/week)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Year 2 - Semester 2 Credits: 10

Total Program Credits: 70
Sonography Concentrations

Associate in Applied Science Degree in Diagnostic Medical Sonography (AAS_DMSD)

Occupational Title: Diagnostic Medical Sonographer
Flanagan Campus, Lincoln only

The Diagnostic Medical Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs, 25400 US Highway 19 North, Suite 158, Clearwater, FL, 33763; 727-210-2350, upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography, 6021 University Blvd., Suite 500, Ellicott City, MD, 21043; 443-973-3251.

Diagnostic medical sonography is a rapidly growing technology used to locate, evaluate and record pertinent anatomical, pathological and functional data to aid the physician in the diagnosis and prevention of disease. The Diagnostic Medical Sonography associate degree program is a 24-month program that begins in September. Students participate in five semesters of classroom instruction at CCRI and associated clinical education facilities to learn a wide variety of imaging techniques.

Students must select a concentration in either general ultrasound, vascular or echocardiography.

For concentration information see:

- General – Society of Diagnostic Medical Sonographers (SDMS)
- Vascular – Society of Vascular Ultrasound (SVU), www.svu.org
- Echocardiography – American Society of Echocardiography (ASE), The American Society of Echocardiography website or contact Paula Cardillo, CCRI DMSD program director, pcardillo@ccri.edu

Students successfully completing the program are eligible to take the American Registry of Diagnostic Medical Sonographers (ARDMS) registry examination. Graduates of this program are prepared for entry-level employment as sonographers (ultrasonographers) in hospitals, clinics, and private offices and/or for transfer to bachelor’s degree programs.

Technical Standards: The physical activity (strength) level for sonographers (078.364.010) is classified as “light” by the Department of Labor in the Dictionary of Occupational Titles

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Diagnostic Medical Sonography program

1. CCRI application – Complete and submit an Application for Enrollment to CCRI. General Studies should be the first choice; DMSD should be the second choice
2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses. Reading comprehension test must show competency of 80 or above in the Classic ACCUPLACER or a score of 253 or above in the Next Generation ACCUPLACER or students must complete ENGL 0890 - Critical Reading with a grade of B- or better.
4. Complete courses required for admission with a grade of C or better:
   a. ENGL 1010 - Composition I. ENGL 1300 will not substitute for ENGL 1010.
   b. MATH 1200 - College Algebra. MATH 2111 and MATH 2141 also meet this requirement.
   c. PHYS 1000 - Physical Science. PHYS 1030 also meets this requirement.
5. Complete courses required for admission with a grade of B- or better:
   a. BIOL 1070 - Human Anatomy and Physiology OR BIOL 1010 - Human Anatomy
6. Aptitude Examination – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. See the Psychological Services Bureau website.
7. **GPA** – A grade point average of 2.0 or better for all college courses taken.

8. **Health Sciences application** – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.
   
a. **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See CCRI's Dean of Health & Rehabilitative Sciences.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

9. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.

**Program Requirements**

- The major requirements for this program must be taken in sequence. They are open only to students who are formally accepted into the program.
- Students must complete all courses in the program with a cumulative index of 2.0 to qualify for a certificate.
- **No grade less than a C** is acceptable in any of the technical courses (DMSD). Students receiving less than a C will be dismissed from the program.
- Program faculty reserve the right to require withdrawal of any student from the program or refuse reinstatement based on the student’s academic, clinical or professional performance.

**RECOMMENDED COURSE SEQUENCE - Echo**

**RECOMMENDED COURSE SEQUENCE - General Ultrasound**

**RECOMMENDED COURSE SEQUENCE - Vascular**

**PREADMISSION ALL CONCENTRATIONS.**

Courses must be taken prior to program admission.

**PREADMISSION General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR MATH 2111</td>
<td>OR Pre-Calculus Mathematics</td>
<td>2111 OR 2141 = 4 credits</td>
<td></td>
</tr>
<tr>
<td>OR MATH 2141</td>
<td>OR Calculus I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR BIOL 1010</td>
<td>OR Human Anatomy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 1000</td>
<td>Conceptual Physics/Physical Science</td>
<td></td>
<td>4</td>
</tr>
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</table>

Total PREADMISSION General Education Requirements Credits: 13

**Total Program Credits: 13**

**General Education Requirements – All Tracks**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2030</td>
<td>Developmental Psychology</td>
<td></td>
<td>3</td>
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<tr>
<td>ENGL</td>
<td>Literature elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR Social Science</td>
<td></td>
<td></td>
<td></td>
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Total General Education Requirements – All Tracks Credits: 16
## ECHOCARDIOGRAPHY CONCENTRATION (DMSE)

### Major Requirements (DMSE)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>DMSD 2100</td>
<td>Patient Care in Sonography</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2210</td>
<td>Sonographic Physics</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2220</td>
<td>Sonographic Imaging</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2245</td>
<td>Sonographic Anatomy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2260</td>
<td>Echocardiography I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2261</td>
<td>Echocardiography II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2262</td>
<td>Advanced Echocardiography</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2263</td>
<td>Echocardiography Practicum I</td>
<td></td>
<td>3</td>
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<tr>
<td>DMSD 2264</td>
<td>Echocardiography Practicum II</td>
<td></td>
<td>3</td>
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<tr>
<td>DMSD 2265</td>
<td>Echocardiography Practicum III</td>
<td></td>
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<tr>
<td>DMSD 2500</td>
<td>Diagnostic Medical Sonography Seminar</td>
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<td>3</td>
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</tbody>
</table>

**Total Major Requirements (DMSE) Credits** 37

**Total DMSE Program Credits** 66

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## GENERAL ULTRASOUND CONCENTRATION (DMSD)

### Major Requirements (DMSD)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>DMSD 2100</td>
<td>Patient Care in Sonography</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2210</td>
<td>Sonographic Physics</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2220</td>
<td>Sonographic Imaging</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2230</td>
<td>Abdominal Ultrasound</td>
<td></td>
<td>4</td>
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<tr>
<td>DMSD 2235</td>
<td>Ultrasound for Small Parts, Gynecology and Male Pelvis</td>
<td></td>
<td>4</td>
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<tr>
<td>DMSD 2240</td>
<td>Obstetrical Ultrasound</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2241</td>
<td>General Ultrasound Practicum I</td>
<td></td>
<td>3</td>
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<tr>
<td>DMSD 2242</td>
<td>General Ultrasound Practicum II</td>
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<tr>
<td>DMSD 2243</td>
<td>General Ultrasound Practicum III</td>
<td></td>
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<tr>
<td>DMSD 2245</td>
<td>Sonographic Anatomy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2500</td>
<td>Diagnostic Medical Sonography Seminar</td>
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</tbody>
</table>

**Total Major Requirements (DMSD) Credits** 37

**Total DMSD Program Credits** 65

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Community College of Rhode Island

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## VASCULAR CONCENTRATION (DMSV)

### Major Requirements (DMSV)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>DMSD 2100</td>
<td>Patient Care in Sonography</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2210</td>
<td>Sonographic Physics</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2220</td>
<td>Sonographic Imaging</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2245</td>
<td>Sonographic Anatomy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2250</td>
<td>Vascular Ultrasound I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2251</td>
<td>Vascular Ultrasound II</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2252</td>
<td>Advanced Vascular Ultrasound</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2253</td>
<td>Vascular Practicum I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2254</td>
<td>Vascular Practicum II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2255</td>
<td>Vascular Practicum III</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2500</td>
<td>Diagnostic Medical Sonography Seminar</td>
<td></td>
<td>3</td>
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</tbody>
</table>

Total Major Requirements (DMSV) Credits: **37**

Total DMSV Program Credits: **65**
Therapeutic Massage

Certificate in Therapeutic Massage (CERT_TMSC)

Newport County Campus, Newport

The Therapeutic Massage program is accredited by the Commission on Massage Therapy Accreditation (COMTA), COMTA 2101 Wilson Blvd., Suite 302, Arlington, Va, 22201; www.comta.org; 202-888-6790.

CCRI's Massage Therapy Certificate Program combines a strong scientific basis for the understanding and application of various soft tissue massage therapy techniques, with high standards in professional development. The intensified evening weekend program is a 655-hour, 34-credit curriculum leading to a Massage Therapy Certificate. Our program is accredited by the Commission on Massage Therapy Accreditation (COMTA). The program emphasizes ethics, clinical assessment, critical thinking, and entrepreneurship. Students are prepared for the Massage and Bodywork Licensing Exam (MBLEx), overseen by the Federation of State Massage Boards, to apply for a license to practice massage in the state of Rhode Island. The program can be completed in 12 months.

CCRI graduates, who are licensed massage therapists, are employed in a variety of settings that include rehabilitation clinics, wellness centers, chiropractic and acupuncture offices, health clubs and spas. Additionally, many of our graduates have opened successful private businesses. CCRI’s Therapeutic Massage Program rigorously prepares students to be able to work in hospitals, medical environments and with clients who have compromised health or physical impairments.

Students must be able to perform basic massage techniques and demonstrate the ability to give and receive a therapeutic massage treatment. Student must be at least 18 years old prior to taking TMSG 1000. Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

This certificate program can be applied toward the associate degree in applied science in Therapeutic Massage. Students interested in completing the associate degree program in Therapeutic Massage may continue by enrolling in:

**Fifth semester (Fall):** TMSG 2030, 2040; COMM 1100; PSYC 2010 (online option)  
**Sixth semester (Spring):** MATH 1025; PSYC 2030; General Education Elective

Total Additional Credits for Associate Degree: 21

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Therapeutic Massage certificate program

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; TMSC should be the second choice.
2. **High school transcript** – An official copy of the applicant’s high school or GED® transcript, including date of graduation or, if the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded
3. **Placement testing** – Complete a standardized test (ACCUPLACER NEXT GENERATION) issued by CCRI’s Department of Advising and Counseling. Competency of 250 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of B- or better
4. **Complete the following courses** with a grade of C or better:  
   a. BIOL 2201 - Human Anatomy and Physiology  
   b. TMSG 1000 - Introduction to Therapeutic Massage  
   c. RHAB 1020 - Fundamentals of Palpation
5. **Age requirement** – Must be 18 years of age or older to register for TMSG 1000 - Introduction to Therapeutic Massage.
6. **GPA** – Earn a cumulative grade point average of 2.0 or better for all college courses taken.
7. **Health Sciences application** – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period. The application and instructions can be found at [www.ccri.edu/oes/admissions/index.html](http://www.ccri.edu/oes/admissions/index.html).  
   a. **IMPORTANT:** All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. At the time of admission, the student must
meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements. Once accepted into Therapeutic Massage certificate program, the student must attend a mandatory orientation conducted by the Rehabilitative Health Department.

8. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.

**RECOMMENDED COURSE SEQUENCE**

- **Preadmission requirements:** BIOL 2201; TMSG 1000, RHAB 1020
- **First semester (Fall):** TMSG 1020, 1040; ENGL 1010; RHAB 1010
- **Second semester (Spring):** RHAB 1030; TMSG 1030
- **Third semester (Summer):** TMSG 2010, 2020, 2021

**PREADMISSION General Education Requirement**

This course must be taken prior to program admission.

**PREADMISSION General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2201</td>
<td>Human Anatomy &amp; Physiology I</td>
<td></td>
<td>4</td>
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</table>

Total PREADMISSION General Education Requirements Credits  

Total Program Credits 4

**General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 3

Total General Education Credits (including preadmission) 6

**PREADMISSION General Education Requirement**

These courses must be taken prior to program admission.

**PREADMISSION Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMSG 1000</td>
<td>Introduction to Therapeutic Massage</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>RHAB 1020</td>
<td>Fundamentals of Palpation and Body Movement Skills</td>
<td></td>
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</table>

Total PREADMISSION Major Requirements Credits 5

Total Program Credits 5
## Major Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>RHAB 1030</td>
<td>Pathophysiology for Rehabilitative Health Practitioners</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TMSG 1020</td>
<td>Swedish Massage</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>TMSG 1030</td>
<td>Deep Tissue Massage</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>TMSG 1040</td>
<td>Introduction to Eastern Modalities</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>RHAB 1010</td>
<td>Medical Terminology for Rehabilitative Health</td>
<td></td>
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<tr>
<td>TMSG 2010</td>
<td>Introduction to Sports Massage</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>TMSG 2020</td>
<td>Student Massage Clinic</td>
<td>TMSG 2020 includes 100 hours of on-site student/faculty clinic.</td>
<td>3</td>
</tr>
<tr>
<td>TMSG 2021</td>
<td>Massage Practice Business Theory</td>
<td></td>
<td>2</td>
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<tr>
<td>Total Major Requirements Credits</td>
<td></td>
<td></td>
<td>23</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits (including preadmission): 28

Total Certificate Credits 34
Therapeutic Massage

Associate in Applied Science Degree in Therapeutic Massage (AAS_TMSG)

CCRI’s massage program is currently under Academic Review and is not accepting new applications.

Occupational Title: Massage Therapist
Newport County Campus, Newport

The Therapeutic Massage program is accredited by the Commission on Massage Therapy Accreditation (COMTA), COMTA 2101 Wilson Blvd., Suite 302, Arlington, Va, 22201; www.comta.org; 202-888-6790.

The Therapeutic Massage associate degree program offers students a strong scientific background for the understanding and application of various soft tissue techniques to promote health and wellness. Eastern and Western practices will be studied to ensure an education that includes a holistic approach to massage. The program is guided by the Massage Therapy Foundation’s Mission:

The Massage Therapy Foundation advances the knowledge and practice of massage therapy by supporting scientific research, education, and community service.

The Therapeutic Massage Program offered at CCRI is accredited by the Commission on Massage Therapy Accreditation (COMTA), elevating CCRI to COMTA-endorsed curriculum status. The program offered at CCRI’s Newport campus is a modified evening and weekend program with the core courses offered at the Newport location. All of the required general education courses may be taken at other CCRI campuses prior to acceptance into the program. Graduates receive an Associate in Applied Science (A.A.S.) degree after completing a combined 1135 hours and 60 credits of coursework and clinical internship. All internship courses must be completed within 18 months following completion of the academic training.

All graduates are eligible to sit for the state licensing (State licensure requirements vary state to state) and the Board Certification exams. An individual must successfully pass the Massage and Bodywork Licensing Exam (MBLEx), overseen by the Federation of State Massage Boards, to apply for a license to practice massage in the State of Rhode Island. The Board Certification Exam is administered by the National Certification Board of Therapeutic Massage and Bodywork (NCBTMB). The NCBTMB has designated CCRI as an Assigned School, which allows CCRI graduates to sit for an optional exam to become board certified therapeutic massage and bodywork practitioners.

CCRI graduates, who are licensed massage therapists, are employed in a variety of settings that include rehabilitation clinics, wellness centers, chiropractic and acupuncture offices, health clubs and spas. Additionally, many of our graduates have opened successful private businesses. CCRI’s Therapeutic Massage Program rigorously prepares students to be able to work in hospitals, medical environments and with clients who have compromised health or physical impairments.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

GENERAL POLICIES
See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms, and equipment.

Minimum requirements to apply to the Therapeutic Massage program
1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; TMSG should be the second choice.
2. High school transcript – Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing
   – Demonstrate competency at MATH 1025 level by placing into MATH 1420 through the standardized test or completion of MATH 099 with a C or better. The following courses will substitute for MATH 1025: MATH 1200, 1210, 1139, 1138, 1175, 1240, 1241, 2077, 2135,
1560, 1670, 1680, 2111, 2141, 2142, 2243, 1900, 1910, 1920, 2910. (Highest grade earned in any of these courses will be calculated in the point system.

- Complete a standardized test (ACCUPLACER NEXT GENERATION) issued by CCRI’s Department of Advising and Counseling. Competency of 250 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of B- or better.
- Must earn English placement test results (ACCUPLACER NEXT GENERATION) issued by CCRI’s Department of Advising and Counseling, must show readiness to take ENGL 1010: Composition I or the applicant must have completed ENGL 1005: College Writing with a grade of "C" or better. ENGL 1300 will not substitute for ENGL 1010.

4. **Complete the following courses** with a grade of C or better:
   a. BIOL 2201 - Human Anatomy and Physiology
   b. TMSG 1000 - Introduction to Therapeutic Massage
   c. RHAB 1010 - Medical Terminology for Rehabilitation
   d. RHAB 1020 - Fundamentals of Palpation
   e. ENGL 1020 - Foundations of Palpation

5. **Age requirement** – Must be 18 years of age or older to register for TMSG 1000 - Introduction to Therapeutic Massage.

6. **GPA** – Earn a cumulative grade point average of 2.0 or better for all college courses taken.

7. **Health Sciences application** – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation. The application and instructions can be found at [www.ccri.edu/oes/admissions/index.html](http://www.ccri.edu/oes/admissions/index.html).
   a. **IMPORTANT**: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. At the time of admission, the student must meet the current admission requirements of the program. Students declining admission into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into the Therapeutic Massage degree program, the student must attend a mandatory orientation conducted by the Rehabilitative Health Department.

8. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.

---

**RECOMMENDED COURSE SEQUENCE**

**PREADMISSION General Education Requirements**

These courses must be taken prior to program admission.

**PREADMISSION General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2201</td>
<td>Human Anatomy &amp; Physiology I</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total PREADMISSION General Education Requirements Credits</strong></td>
<td></td>
<td>7</td>
</tr>
</tbody>
</table>

**Total Program Credits**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1025</td>
<td>Introduction to College Mathematics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2030</td>
<td>Developmental Psychology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>General Education Elective</strong></td>
<td>See this page for a complete list of courses that meet this requirement.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total General Education Requirements Credits</strong></td>
<td></td>
<td>16</td>
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</table>

**PREADMISSION Major Requirements**
These courses must be taken prior to program admission.

**PREADMISSION Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMSG 1000</td>
<td>Introduction to Therapeutic Massage</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>RHAB 1010</td>
<td>Medical Terminology for Rehabilitative Health</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>RHAB 1020</td>
<td>Fundamentals of Palpation and Body Movement Skills</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total PREADMISSION Major Requirements Credits</strong></td>
<td></td>
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</table>

**Total Program Credits 6**

**Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHAB 1030</td>
<td>Pathophysiology for Rehabilitative Health Practitioners</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TMSG 1020</td>
<td>Swedish Massage</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>TMSG 1030</td>
<td>Deep Tissue Massage</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>TMSG 1040</td>
<td>Introduction to Eastern Modalities</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>TMSG 1140</td>
<td>Integrating Eastern and Western Techniques</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>TMSG 2010</td>
<td>Introduction to Sports Massage</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>TMSG 2020</td>
<td>Student Massage Clinic</td>
<td>TMSG 2020 includes 100 hours of onsite student/faculty clinic.</td>
<td>3</td>
</tr>
<tr>
<td>TMSG 2021</td>
<td>Massage Practice Business Theory</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>TMSG 2030</td>
<td>Clinical Internship I</td>
<td>TMSG 2030 and TMSG 2130 each include 60 hours of clinical internship.</td>
<td>2</td>
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<tr>
<td>TMSG 2110</td>
<td>Advanced Sports Massage</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TMSG 2040</td>
<td>Foundation of Evidence-Based Outcomes for Massage Therapists</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TMSG 2130</td>
<td>Clinical Internship II</td>
<td></td>
<td>2</td>
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<tr>
<td></td>
<td><strong>Total Major Requirements Credits</strong></td>
<td></td>
<td>34</td>
</tr>
<tr>
<td></td>
<td><strong>Total Program Credits 61</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Community College of Rhode Island

Hospitality

Program

- Certificate Program
  - Travel, Tourism and Hospitality

Travel and Tourism Concentration (TRVL)

Certificate in Travel, Tourism and Hospitality

Knight Campus, Warwick only

Tourism is currently Rhode Island’s second-largest and fastest-growing industry. CCRI’S Travel, Tourism and Hospitality certificate provides students with the skills and knowledge necessary for successful careers in this growing industry. Graduates are prepared for entry-level positions with hotel and lodging, food service, airlines, airport operations, car rentals, conventions and meetings, tourism and attractions, casinos, and cruise lines. Students will perform a variety of tasks and complete projects to help them develop the skills required to work in the industry. Students will also have to opportunity to tour various establishments within the industry such as hotels, convention centers, and casinos.

Transfer: TRVL and HOSP courses transfer to Johnson & Wales University.

Students who complete the Travel, Tourism and Hospitality certificate have two options:

- Enter the travel and tourism industry with marketable skills and training; or
- Continue their education in the CCRI General Studies associate degree program. The General Studies degree program requires 60 credits for completion, 28 of which are elective credits. The Travel, Tourism and Hospitality certificate requires 30 credits and can be used to meet the 28 elective credits for the General Studies degree.

Note: Students may complete the Travel, Tourism and Hospitality certificate program first and then apply all credits toward a General Studies degree or work concurrently in the two programs. Many courses require prerequisites, corequisites, and/or testing. See the course descriptions in the catalog.

See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: COMI 1100; TRVL 1015; TRVL 1020; TRVL 1025; TRVL 1045
- Second semester: TRVL 1100; TRVL 1035; TRVL 2030; TRVL 2580 AND TRVL 1125, 1135 or 1145

Certificate Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRVL 1015</td>
<td>Introduction to Travel, Tourism and Hospitality</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TRVL 1020</td>
<td>Destination Geography</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TRVL 2030</td>
<td>Conference and Convention Planning</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TRVL 1025</td>
<td>Principles of Food and Beverage Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TRVL 1035</td>
<td>Travel Sales and Tour Planning</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TRVL 1045</td>
<td>Lodging Management and Guest Service</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TRVL 1100</td>
<td>Hospitality and Travel Technology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>TRVL 2580</td>
<td>Travel, Tourism and Hospitality Workplace Experience</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Core Requirements Credits 27
Certificate Elective Requirement

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRVL 1125</td>
<td>Sport Management OR</td>
<td>Choose ONE additional required course</td>
<td>3</td>
</tr>
<tr>
<td>TRVL 1135</td>
<td>Events Management OR</td>
<td>to the left.</td>
<td></td>
</tr>
<tr>
<td>TRVL 1145</td>
<td>Casino Management</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Certificate Elective Requirement Credits: 3

Total Program Credits: 30
Human Services

PROGRAMS

- Associate Degree Programs
  - Education Major Concentrations
    - Early Childhood Education and Child Development
    - Education and Special Education
  - Social Service Major Concentrations
    - Gerontology
    - Mental Health
    - Social Work
    - Substance Abuse
- Certificate Program Concentrations
  - Early Childhood Education
  - Gerontology
  - Social Services

The Human Services program prepares students for entry-level positions in a variety of educational and social service professions and for transfer to bachelor’s degree programs at institutions of higher education throughout the country.

The sequence of competency-based courses required for the associate degree combines classroom and fieldwork experience in the areas of child development and family relations, early childhood education, public school education, child and adult services for special needs populations, social work, gerontology, mental health and substance abuse. All students complete three internships in a school, agency or program setting in their chosen concentration. Each concentration provides 50 to 90 hours of field experience and a corresponding seminar for educational and clinical supervision. This provides students with a well-integrated balance of theory and practice for personal and professional development.

Graduates of the Human Services program perform a variety of educational, therapeutic, supportive and direct service functions for diverse individuals of all ages with educational, emotional, social, developmental and physical needs.

Graduate Options

Human Services program graduates have three options:

OPTION 1: Enter employment directly upon graduation. Students often are offered a position in the school or agency where they have completed their internship.

OPTION 2: Transfer to a four-year college. Human Services faculty are readily available to assist with CCRI course selection that will prepare students for transfer.

OPTION 3: Enter the workforce while working toward completion of a bachelor’s degree. This is one of the most common options selected by CCRI graduates.

Early Childhood Education Concentration

Certificate in Human Services (AA_HMNS)

The certificate in Early Childhood Education is for the working student who wishes to improve or upgrade his/her knowledge and skills in early childhood development and childcare. Courses are offered days and evenings and all courses directly apply toward the department’s A.A. degree. The Early Childhood Certificate is not a teaching credential for the R.I. Department of Education.

Note: All courses must be completed with a C or better. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: HMNS 1010, 1080, 2100, 2150
- Second semester: HMNS 1210, 2120, 2070, and one of the following three courses must be taken: HMNS 2030, 2140 OR 2190
## Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1080</td>
<td>Health, Nutrition and the Young Child</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1210</td>
<td>Field Experience and Seminar I - Child Development</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2070</td>
<td>Characteristics and Needs of Special Populations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2100</td>
<td>Child Growth and Development Skills</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2120</td>
<td>Curriculum for Young Children</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2150</td>
<td>Parent and Child Relations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>HMNS Elective</strong></td>
<td>Choose one of the following three-credit courses: HMNS 2030, 2140 OR 2190</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Certificate Requirements Credits**

24

**Total Program Credits**

24
Early Childhood Education and Child Development Concentration (CHLD)

Associate in Arts Degree in Education (AA_EDUC)

Child development and early childhood education majors are trained to work with families, parents, young children and those who impact the development and well being of children. Child development associates may be employed in a variety of educational and social settings including child care facilities, Head Start programs, preschools, public schools, group homes and residential care facilities. Child development associates are nationally recognized and have an ample number of bachelor’s degree programs within close proximity to further their education beyond the associate degree. Three field placements provide students with critical opportunities for competency-based professional development.

The Early Childhood Education and Child Development concentration is fully accredited through the National Association for the Education of Young Children.

Students who plan to transfer to a four-year college for early childhood education are required to meet with a Human Services faculty adviser during their first semester to map out their program of study. Students who have completed their CDA-Child Development Associate are required to meet with a Human Services faculty adviser to apply for prior learning assessment credits toward their degree.

Note: Students enrolled in the Human Services program must earn a grade of C or better in all Human Services courses. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

...
## General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>ARTS, MUSC, THEA OR Language Elective</td>
<td>Fine Arts OR Language course</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL Literature Elective</td>
<td>Children’s Literature (recommended)</td>
<td>Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.</td>
<td>3</td>
</tr>
<tr>
<td>MATH 0101 AND Elective OR MATH 1025 OR MATH 1143 for RIC Transfer OR MATH 1139</td>
<td>Foundation of College Algebra AND Human Services Elective OR Intro to College Mathematics OR Math for Elementary School Teachers I OR Mathematics for Liberal Arts Studies</td>
<td>Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study. Students transferring to RIC should check with an advisor.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2030</td>
<td>Developmental Psychology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2070</td>
<td>Educational Psychology</td>
<td>Courses/requirements that may not be substituted or waived. A higher-level educational psychology course may be required by some teacher preparation bachelor’s degree programs; therefore, students transferring to Rhode Island College are advised to meet with an adviser at RIC.</td>
<td>3</td>
</tr>
<tr>
<td>Science Elective</td>
<td>Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study. A lab science is recommended for transfer</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>SOCS1010 OR SOCS 2040</td>
<td>General Sociology OR Cultural Diversity</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Two (2) Social Science Electives AND/OR Foreign Language Electives</td>
<td>Choose from Category I.</td>
<td></td>
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</tr>
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</table>

**Total General Education Requirements Credits** 31
## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2100</td>
<td>Child Growth and Development Skills</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1210</td>
<td>Field Experience and Seminar I-Child Development</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2120</td>
<td>Curriculum for Young Children</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2310</td>
<td>Field Experience Seminar II-Child Development</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2070</td>
<td>Characteristics and Needs of Special Populations</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2150</td>
<td>Parent and Child Relations</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2410</td>
<td>Field Experience Seminar III-Child Development</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2900</td>
<td>Human Services Capstone</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
</tbody>
</table>

**One Human Service Elective**

Choose from **Category 2**. Consult with a faculty adviser before registering for this course. A minimum of 60 credits must be completed to graduate. If you select MATH 0600 for proficiency in-house credits only, you will need one Human Services elective to graduate.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Choose from Category 2.</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Major Requirements Credits** 30

**Total Program Credits: 61-65**

### Category 1 – Choose two from the following list.

- # ECON
- # FREN
- # HIST
- # ITAL
- # PHIL
- # POLS
- # PORT
- # PSYC
- # SOCS
- # SPAN

### Category 2 – Choose one or two from the following list to fulfill Human Services elective(s) requirements

- # ENGL
- # HMNS
- # MUSC
- # THEA

### Other Courses

- 1010, 1020, 1030, 1040, 2010, 2020
- 1010, 1020, 1210, 1220, 2250, 2260
- 1010, 1020, 1030, 1040, 2010, 2020
- 1010, 2020, 2030, 2070
- 1010, 1030, 2010
- 1030, 1970, 2020, 2090, 2110
- 1010, 2020, 2030, 2050, 2110
- 1010, 1020, 1030, 1040
- 2200
- 1080, 2030, 2060, 2140, 2170, 2190
- 1170
- 1150
Education/Special Education Concentration (ESPE)

Associate in Arts Degree in Education (AA_EDUC)

Students training in the education and special needs concentrations are qualified for employment in a variety of education and social service settings. These may include teacher assistant positions in kindergarten, public and special education classrooms, early intervention centers, residential group homes, hospitals and community day programs. In all of these settings, teacher assistants and aides provide direct support to children and adults, helping them to reach their maximum physical, emotional, educational and vocational potential. Three internships provide students with critical opportunities for supervised guidance as to best practices for working with able-bodied, as well as special needs, individuals and groups.

Note: Students enrolled in the Human Services program must earn a grade of C or better in all Human Services courses. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>ARTS, MUSC, THEA OR Language Elective</td>
<td>Fine Arts OR Language course</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL Literature Elective</td>
<td>Children’s Literature (recommended)</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td>MATH 0101 for proficiency OR MATH Elective (recommended for transfer) MATH 1143 for RIC Transfer</td>
<td>For Science Elective only – courses/requirements that may not be substituted or waived. Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>4</td>
</tr>
<tr>
<td>PSYC2030 OR PSYC2110</td>
<td>Developmental Psychology OR Abnormal Psychology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2070</td>
<td>Educational Psychology</td>
<td>Courses/requirements that may not be substituted or waived. A higher-level educational psychology course may be required by some teacher preparation bachelor’s degree programs; therefore, students transferring to Rhode Island College are advised to meet with an adviser at RIC.</td>
<td>3</td>
</tr>
<tr>
<td>Science Elective</td>
<td>3 or 4 credits. A lab science is recommended for transfer. See this page for a complete list of classes that fulfill the LABS attribute. For Science Elective only – courses/requirements that may not be substituted or waived. Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total General Education Requirements Credits</td>
<td></td>
<td>28</td>
<td></td>
</tr>
</tbody>
</table>
## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2060</td>
<td>Foundations of Teaching and Learning</td>
<td>Courses/requirements that may not be substituted or waived. See list of approved electives here. Consult with Human Services faculty adviser. Special Education students should take HMNS 2070 first. Education students should take HMNS 2060 first. HMNS 2710 is necessary for successful transfer of HMNS 2060 to Rhode Island College. HMNS 2080 is necessary for successful transfer of HMNS 2070 to Rhode Island College. A minimum of 60 credits must be completed to graduate; students selecting MATH 0600 for proficiency/in-house credits will need three credits from human services electives.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2070</td>
<td>Characteristics and Needs of Special Populations</td>
<td>Courses/requirements that may not be substituted or waived. See list of approved electives here. Consult with Human Services faculty adviser. Special Education students should take HMNS 2070 first. Education students should take HMNS 2060 first. HMNS 2710 is necessary for successful transfer of HMNS 2060 to Rhode Island College. HMNS 2080 is necessary for successful transfer of HMNS 2070 to Rhode Island College. A minimum of 60 credits must be completed to graduate; students selecting MATH 0600 for proficiency/in-house credits will need three credits from human services electives.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1220</td>
<td>Field Experience and Seminar I - Education/Special Needs</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2100</td>
<td>Child Growth and Development Skills</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2320</td>
<td>Field Experience Seminar II-Education/ Special Needs</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS2170 OR HMNS2180</td>
<td>Learning Disabilities OR Significant Developmental Disabilities</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2420</td>
<td>Field Experience Seminar III-Education/ Special Needs</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2900</td>
<td>Human Services Capstone</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

Select six to nine credits from approved elective course list below.

Courses/requirements that may not be substituted or waived. See list of approved electives here. Consult with Human Services faculty adviser. Special Education students should take HMNS 2070 first. Education students should take HMNS 2060 first. HMNS 2710 is necessary for successful transfer of HMNS 2060 to Rhode Island College. HMNS 2080 is necessary for successful transfer of HMNS 2070 to Rhode Island College. A minimum of 60 credits must be completed to graduate; students selecting MATH 0600 for proficiency/in-house credits will need three credits from human services electives.

Total Major Requirements Credits 33
Total Program Credits 61-65

Approved elective course list

# COML......................................................................................................................... 1100
# COMM........................................................................................................................ 1100
# ENGL.......................................................................................................................... 2200
# HMNS........................................................... 1040, 1060, 1070, 1080, 1150, 1160, 2080, 2120, 2140, 2150, 2170, 2180, 2710
# HIST.......................................................... 1010, 1020, 2260
# MUSC......................................................................................................................... 1170
# PHIL............................................................................................................................ 1010, 2030, 2040
# PSYC......................................................................................................................... 1030, 1970, 2030, 2050, 2090, 2110
# THEA......................................................................................................................... 1150
Gerontology Concentration (GERN)

Certificate in Human Services (CERT_HMNS)

The certificate in Gerontology is for students who may be currently employed or interested in working with the aging or elderly populations. The program introduces students to the profession of Human Services with a focus in Gerontology. The Gerontology Certificate is designed to assist students in learning and improving skill sets in geriatric care services and developing an awareness of multidisciplinary supports necessary to care for aging and elderly individuals. Courses are offered days and evenings.

**Note:** All courses must be completed with a grade of C or better. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

**RECOMMENDED COURSE SEQUENCE**

**Certificate Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2200</td>
<td>Assessment Interviewing for Treatment Planning</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1090</td>
<td>Foundations of Gerontology and Elder Care</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2515</td>
<td>Major Health Issues for the Elderly: Implications for Human Services</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2590</td>
<td>Service Practicum in Gerontology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2520</td>
<td>Social and Psychosocial Characteristics of Aging</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2560</td>
<td>Healthy and Successful Aging</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>HMNS Elective</strong></td>
<td></td>
<td>Choose one of the following 3 credit courses HMNS 2530 - Legal and Financial Literacy: Human Service Resources HMNS 2540 - Human Services Advocacy for Aging and Elderly.</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Certificate Requirements Credits | 24 |

| Total Program Credits | 24 |
Social Service Majors

Gerontology (GERN), Mental Health (MNTL), Social Work (SOWK), and Substance Abuse (SUBS)

Associate in Arts Degree in Social Services (AA_SOSC)

Gerontology
Gerontology workers perform a wide variety of functions in the field of elder care. They are employed by nursing homes, adult day care centers, senior centers and some hospitals. Gerontology workers are trained to assist elder clients with daily living, physical care, recreation and supportive companionship.

Mental Health
Mental health workers are trained to assist people who have mild to severe emotional problems and mental illnesses. They may find employment in group homes, hospitals, mental health agencies, community centers and assisted living programs designed to help clients of all ages achieve functional independence to their maximum capacity. They may function as advocates, intake interviewers, case aides, home visitors, program coordinators and counselors to children. Three internships are an integral part of each student’s professional preparation program.

Social Work
Social work students are provided with foundation courses that prepare them to be social service providers in a wide variety of agency program and community settings with clients of all ages. From advocacy and social activism to therapeutic assistance to children and families, social workers impact all phases of a client’s life. Three internships are an integral part of each student’s program of study and there are a variety of B.S.W. and M.S.W. programs available in Rhode Island for advanced study.

Substance Abuse
Substance abuse workers are trained in clinical skills that prepare them for employment in prevention, early intervention and rehabilitative treatment programs with adolescents and adults at risk or suffering with addictive and compulsive disorders. Three internships are an integral part of each student’s professional preparation and CCRI courses are a firm foundation for Rhode Island’s licensure credential. Rhode Island College (RIC) offers a B.A. in Addiction Studies and the Drug and Alcohol Treatment Association of Rhode Island (DATA) provides training for the Certification of Chemical Dependency Prevention Professionals in Rhode Island.

Transfer Information
The Human Services program at CCRI has a solid articulation transfer agreement with the School of Social Work at RIC that provides full transfer of all courses completed for the social work major toward the B.S.W. Students must follow the new transfer guide or obtain copies from their Human Services faculty advisers.

Note: Students enrolled in the Human Services program must earn a grade of C or better in all Human Services courses. Students should consider transfer requirements when selecting math and science courses.

Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE - Mental Health

RECOMMENDED COURSE SEQUENCE - Social Work

RECOMMENDED COURSE SEQUENCE - Substance Abuse
## General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>Literature, Fine Arts OR Language Elective</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td>MATH 0101 for proficiency OR MATH Elective (recommended for transfer)</td>
<td>Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 2020</td>
<td>Social Psychology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2030</td>
<td>Developmental Psychology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>Science Elective</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SOCS 1010 OR SOCS 2040</td>
<td>General Sociology OR Cultural Diversity</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Electives</td>
<td></td>
<td>Courses/requirements that may not be substituted or waived. Choose six credits from Categories 1–4.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits: 31
## Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2200</td>
<td>Assessment Interviewing for Treatment Planning</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1200</td>
<td>Practicum I: Service Learning</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2130</td>
<td>Therapeutic Interventions I: Working with Individuals</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1040</td>
<td>Drugs and Human Behavior</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>HMNS 2340</td>
<td>Field Experience Seminar II: Social Work and Gerontology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>HMNS 2360</td>
<td>Field Experience Seminar II: Mental Health and Substance Abuse</td>
<td></td>
</tr>
<tr>
<td>HMNS 2110</td>
<td>Introduction to Social Work and Social Welfare</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>HMNS 2135</td>
<td>Therapeutic Interventions II: Group Process and Practice</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>HMNS 2230</td>
<td>OR Individuals, Families and Small Groups</td>
<td></td>
</tr>
<tr>
<td>HMNS 2440</td>
<td>Field Experience Seminar III: Social Work and Gerontology</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>HMNS 2460</td>
<td>OR Mental Health and Substance Abuse</td>
<td></td>
</tr>
<tr>
<td>HMNS 2900</td>
<td>Human Services Capstone</td>
<td>Courses/requirements that may not be substituted or waived.</td>
<td>3</td>
</tr>
<tr>
<td>Human Services Elective</td>
<td></td>
<td>Select one course from Category 5. If you take a three-credit math, you may omit this elective, as 60 credits are required to graduate.</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Major Education Requirements Credits**: 35

**Total Program Credits: 63-67**

### Category choices for Social Science and Human Services electives

- **Category 1:** PSYC 1030, 1970, 2040, 2050, 2090, 2110
- **Category 2:** SOCS 2020, 2030, 2040, 2300, 2310
- **Category 3:** ECON 2030, 2040
- **Category 4:** POLS 1010, 1030
- **Category 5:** HMNS 1060, 1090, 2070, 2135, 2150, 2160, 2210, 2220, 2230, 2230, *Field II experience outside one’s concentration. HMNS 2220 meets RIC transfer requirements.*
Social Services Concentration (CSOS)

Certificate in Human Services (CERT_HMNS)

The certificate in Social Services is for students who may either already be employed or interested in social services. It is a brief program (five courses) that introduces the field of social services and equips students with the necessary skills to enter the field. Courses are offered days and evenings and all courses directly apply toward the department’s A.A. degree.

Note: All courses must be completed with a C or better. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

RECOMMENDED COURSE SEQUENCE

- First semester: HMNS 1010, 2200
- Second semester: HMNS 1040, 1200, 2130

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1040</td>
<td>Drugs and Human Behavior</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>HMNS 1200</td>
<td>Practicum I: Service Learning</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2200</td>
<td>Assessment Interviewing for Treatment Planning</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2130</td>
<td>Therapeutic Interventions I: Working with Individuals</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Requirements Credits 16

Total Program Credits 16
Criminal Justice and Legal Studies

PROGRAMS

- Associate Degree Program Concentrations
  - Law Enforcement
  - Paralegal Studies

CCRI’s Criminal Justice and Legal Studies Department offers the associate in science degree in Legal Studies with two concentrations – Law Enforcement and Paralegal Studies. Law Enforcement majors must take a capstone course to complete the requirements to graduate. Graduation requirements for students in the Paralegal Studies concentration include completing a portfolio of their classwork.

The Law classes are open to all students in the major and are available for students in Business Administration, Professional Studies and all Liberal Arts programs as well.

Law Enforcement Concentration (LENF)

Associate in Science Degree in Criminal Justice and Legal Studies (AS_LGAL)

The Community College of Rhode Island offers a degree program for individuals interested in a career in law enforcement and for those currently working in the field. The program is designed to provide students with a background in academic courses as well as specialized training.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail.

RECOMMENDED COURSE SEQUENCE

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td></td>
<td>MATH 1005 OR 1025</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1030</td>
<td>Psychology of Personal Adjustment</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>OR PSYC 2010</td>
<td>OR General Psychology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR SOCS 2300</td>
<td>OR Criminology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Humanities/Social Science Electives

Choose two courses: ENGL: 1200, 1230, 1250, 1290; any one semester history course: POLS 1010, 1030; PSYC 1970, 2020; SOCS 2030, 2050; SPAN 1230

Total General Education Requirements Credits 22
### Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWS 1000</td>
<td>Introduction to Law Enforcement</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1010</td>
<td>Criminal Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1020</td>
<td>Criminal Procedure</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1030</td>
<td>Criminalistics I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1040</td>
<td>Criminalistics II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2000</td>
<td>Constitutional Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2010</td>
<td>Law of Evidence</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2030</td>
<td>Criminal Law and the Constitution</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2040</td>
<td>Law and Society</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2050</td>
<td>Law of Contracts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS Elective</td>
<td></td>
<td>Select from: LAWS 2060, 2070, 2100; LIBA 1010</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2500</td>
<td>Case Studies in Criminal Law</td>
<td>There is a capstone course for students enrolling in the Law Enforcement major. The required capstone course integrates learning from prior coursework. Students will need to have taken LAWS 1010, 1020, 1030, 2010 and 2030 prior to taking Case Studies in Criminal Law. A description of the capstone course requirement appears on the department’s website at <a href="http://www.ccri.edu/laws">www.ccri.edu/laws</a> and in the back of this catalog. (Capstone course)</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Major Education Requirements Credits**  
39

**Total Program Credits**  
61
Paralegal Studies Concentration (PALG)

Associate in Science Degree in Criminal Justice and Legal Studies (AS_LGAL)

The Community College of Rhode Island offers a degree program for individuals interested in a career as a legal assistant. Graduates of the program have the option of entering the workforce as a trained paralegal or continuing their education by transferring to a college offering a bachelor’s degree program in paralegal studies.

**Paralegal portfolio requirement:** For students enrolling in the Paralegal major, the completion of a portfolio of their coursework will be required near the end of their course of study. Students will prepare the portfolio as part of either LAWS 2020 or 2090, whichever one of these two courses they take last.

Details on what must be included in the portfolio can be found on the department’s website.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail.

**RECOMMENDED COURSE SEQUENCE**

**General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>Any literature course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td>MATH 1005 OR 1025</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Humanities/Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 22
## Major Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWS 1080</td>
<td>Introduction to Paralegal Studies</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1020</td>
<td>Criminal Procedure</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2050</td>
<td>Law of Contracts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2010</td>
<td>Law of Evidence</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2060</td>
<td>The Law of Property, Estates and Trusts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2000</td>
<td>Constitutional Law</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2020</td>
<td>Basic Civil Procedures for Paralegals</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2070</td>
<td>Law of Business Organization</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS Elective</td>
<td>Select one course from LAWS 1010, 1020, 2040; LIBA 1010.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2090</td>
<td>Legal Research and Writing</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>LAWS 2100</td>
<td>Law of Torts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMI</td>
<td>Choose from COMI 1420, 1430, 1432, 1645, 1650.</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>BUSN 1220</td>
<td>QuickBooks, Computer Application</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers OR Select three modules from: COMI 1420, 1430, 1432, 1645, 1650 (5 weeks each.) In place of the three-credit Introduction to Computers (COMI 1100) course, students may take three one-credit computer modules.</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Education Requirements Credits 40

Total Program Credits 62
Liberal Arts (LI BA)

Associate in Arts Degree in Liberal Arts (AS_LI BA)

The Liberal Arts program provides the first two years of a traditional liberal arts curriculum. Most CCRI students who enroll in this program plan to transfer to a four-year college or university in pursuit of a bachelor’s degree.

The Liberal Arts program offers students the opportunity to acquire a perspective on world cultures and language while developing essential skills in critical reading, organization, effective writing, analysis and research. Students who successfully complete this program and/or a Liberal Arts concentration receive an Associate in Arts (A.A.) degree.

Students may concentrate in English, world languages, or liberal arts. All Liberal Arts students must complete six sequential credits of world language under the general education requirements. Liberal Arts students who wish to pursue a Liberal Arts degree with a concentration in world languages are required to take an additional six sequential credits of the same language at the Intermediate 1 and 2 levels (2010 and 2020) or Advanced 1 and 2 levels (2210 and 2220) as well as complete three credits in a second world language at the elementary level or above. See the following pages for concentration requirements.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.
## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>English – Placement test required. Those required to take ENGL 1005 will then have to take ENGL 1010. ENGL 1005 may be used as an elective credit.</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2015</td>
<td>Advanced Writing for the Liberal Arts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Literature</td>
<td></td>
<td>Recommended that Liberal Arts candidates take two literature courses. See this page for a complete list of courses that fulfill the LITR attribute.</td>
<td>6</td>
</tr>
<tr>
<td>MATH 1139</td>
<td></td>
<td>Math requirements may be fulfilled by any sequence of math courses EXCEPT MATH 0999, 0100, 0101, 1025, 1005 and 1015 which CANNOT be used to fulfill math requirements.</td>
<td>6</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1139</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1139</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1139</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>Take two courses from the following: ASTR 1010, 1020; BIOL 1001, 1002, 1005, 1010, 1020, 1060; CHEM 1000, 1010, 1030, 1100; GEOL 1010, 1020; OCEN 1010 1030 (both required); PHYS 1000, 1030, 1040</td>
<td>8</td>
</tr>
<tr>
<td>HIST Social Science</td>
<td>Select six sequential credits in history (e.g. HIST 1010 and 1020 or HIST 1210 and 1220) three credits in: Sociology, Economics, Psychology, Political Science, History, Geography</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>World Language Fine Arts</td>
<td>Select two sequential world language courses at least one course from: Art, Music, Drama. World Language/Fine Arts – Basic spoken and specialized introductory world language courses do not fulfill or substitute for required world language credits at the elementary level as they fulfill elective credit. A student may begin a new language or continue a language started in secondary school. Students should consult the World Language department chair to be sure they choose the correct course level. Intermediate world language courses 2010–2020 will normally satisfy the language requirements of transfer institutions that require six credits of language at the intermediate level.</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>Electives vary based on concentration choice. Select courses from any instructional program.</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Total Major Requirements Credits** 60

**Total Program Credits** 60
Liberal Arts Concentrations

English or World Languages

Students may complete the degree program as described previously or may select an area of study in which to concentrate. Concentrations require the study of five three-credit courses (15 credit hours) in the selected discipline. Additional required or recommended courses are selected from among the electives offered as part of the Liberal Arts program. These concentrations emphasize coursework typically required in the freshman and sophomore years of bachelor’s degree programs. Students interested in pursuing a Liberal Arts concentration should contact the appropriate academic department about transfer and career opportunities.

RECOMMENDED COURSE SEQUENCE - English Concentration

RECOMMENDED COURSE SEQUENCE - World Languages Concentration

English Concentration (LAEN)

Associate in Arts Degree in Liberal Arts (AS_LIBA)

The English concentration prepares a student for advanced study at the baccalaureate level as an English major or as a second major. It provides an exceptional foundation in the development of writing, critical thinking, critical reading, oral communication and literature analysis. This is an excellent program for those pursuing a career in educational institutions, writing, business and industry, film studies, art, communications, law, advertising, sports communications, journalism or library work.

To declare an English concentration, students should contact the English Department at 401-825-2262.

Required Courses

Students concentrating in English should take the following courses: Any pair of courses (6 credits) from below. Pairs of courses should be taken sequentially.

English Concentration Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both ENGL 1020 ENGL 2020 OR Both ENGL 1030 ENGL 2030 OR Both ENGL 1040 ENGL 2040</td>
<td>19th Century American Literature 20th Century American Literature British Literature I British Literature II World Literature to the 16th Century World Literature from the 16th Century</td>
<td>Select one pair of courses for 6 credits.</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 2050</td>
<td>Introduction to Literary Theory and Criticism</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3 additional ENGL courses</td>
<td>Three courses (9 credits): Students must take three additional transferable courses selected from above OR ENGL 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1360, 1370, 1430, 2200, 2210, 2220, 2230, 2250, 2270. Check with the English concentration coordinator in the English Department. Some courses transfer as electives while others transfer as English courses.</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Total English Concentration Requirements Credits 18

World Languages Concentration (LAFL)

Associate in Arts Degree in Liberal Arts (AS_LIBA)

The World Languages concentration prepares students for advanced study at the bachelor’s degree level and provides an excellent foundation in the world languages.
Required Courses

All Liberal Arts students must complete six sequential credits of world language under the general education requirements. Liberal Arts students who wish to pursue a Liberal Arts degree with a concentration in world languages are required to take an additional six sequential credits of the same language at the Intermediate 1 and 2 levels (2010 and 2020) or Advanced 1 and 2 levels (2210 and 2220) as well as complete three credits in a second world language at the elementary level or above.

A student beginning language studies at CCRI or who has experience below the intermediate college level should select 1010 OR 1030, 1020 OR 1040, 2010, 2020 and an elementary level course (1010, 1030, 1020 or 1040) in a language different from the language of the student’s concentration.

Students who are continuing to study a language from high school should select 2010, 2020, 2210, 2220 and an elementary level course (1010, 1030, 1020 or 1040) in a language different from the language of the student’s concentration.

Additional courses recommended but not required as electives — HIST 1010, 1020; ARTS 1510, 1520
Science

Associate In Science Degree (AS_SCID)

This degree program is intended for individuals who wish to pursue a career in science or a related field. Such fields include, but are not limited to, astronomy, biochemistry, biology, biophysics, biotechnology, chemistry, environmental geology, environmental science, forensics, forestry, geochemistry, geology, geophysics, home economics, marine biology, meteorology, mortuary science, nutrition (or dietetics), oceanography, optometry, pharmacy, physical education, physics or plant science. This program also is intended for those who wish to pursue medical, dental or veterinary degrees.

Note: A minimum of a bachelor’s degree is usually required of individuals planning to work in science or a related area. Therefore, students should take the CCRI Associate in Science degree program with the expectation of transferring to a four-year college or university. The choice of which elective credits to select should be made in consultation with an advisor from one of the science departments in accordance with the transfer requirements of the four-year school. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details.

Students should consult the transfer requirements of their intended school of transfer.

Admission Requirements
To be admitted to this program, applicants must have a minimum level of math preparation in order to take and successfully complete MATH 1200 (College Algebra) in the first semester.

RECOMMENDED COURSE SEQUENCE

• First semester: ENGL 1010; MATH 2111 OR above; Social Science Elective; 2 CHEM, BIOL AND/OR PHYS courses
• Second semester: Literature Elective; MATH 1220 OR MATH 1240; Humanities, Math/Science OR Social Science Elective; 2 CHEM, BIOL AND/OR PHYS courses
• Third semester: COMM 1100; Science courses
• Fourth semester: Science courses; BIOL, CHEM, PHYS OR MATH
## General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>Literature elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 2111</td>
<td>Pre-Calculus Mathematics above</td>
<td>MATH – Placement test required. If placement test indicates enrollment in MATH 0099 or 0100 or 0101 is necessary, these courses, although required, are not accepted as degree credit. Students should take a placement test prior to enrolling. Note: It is recommended that students wishing to transfer for a bachelor’s degree in the physical sciences take the complete calculus sequence (MATH 2141, 2142 and 2243).</td>
<td>4</td>
</tr>
<tr>
<td>OR above</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1220</td>
<td>Scientific Programming</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR MATH 1240</td>
<td>Statistical Analysis I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td>Pre-requisite: Eligible for ENGL 1005 or higher and ENGL 0850 or higher or permission of instructor.</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Humanities, Math/Science</td>
<td>See this page for a complete list of courses that fulfill the HUMN attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the MSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits 22

## Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1001</td>
<td>AND BIOL 1002 OR BIOL 1000 AND/OR CHEM 1030 AND CHEM 1100 AND/OR PHYS 1030</td>
<td>Introductory Biology: Organismal (4) AND Introductory Biology: Cellular (4) AND/OR Cell Biology for Technology (4) AND/OR General Chemistry I (5) AND General Chemistry II (5) AND/OR General Physics I (4) AND General Physics II (4)</td>
<td>16</td>
</tr>
<tr>
<td>OR BIOL 1000</td>
<td>AND/OR CHEM 1030 AND CHEM 1100 AND/OR PHYS 1030</td>
<td>Select two pairs of sequential courses from the left for a total of 16 to 18 credits.</td>
<td></td>
</tr>
<tr>
<td>Additional Science Requirements</td>
<td>Select 8 to 10 credits from astronomy (ASTR), biology (BIOL), chemistry (CHEM), geology (GEOL), oceanography (OCEN) or physics (PHYS)</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>BIOL 2500</td>
<td>OR CHEM 2500 OR PHYS 2500</td>
<td>Applications in Science and Math</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 25

---

Community College of Rhode Island

| CCRI Catalog | 2020-2021 |
Electives

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>Take 9 to 13 credits. All students are encouraged to consult the requirements of the intended transfer school to find out which electives will best suit their transfer needs.</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Total Electives Credits

Total Minimum Required Program Credits 60

IMPORTANT:
Select two pairs of sequential courses from the top three in the list above (BIOL, CHEM or PHYS) for a total of 16 to 18 credits. If you select CHEM 1030, contact the Chemistry Department for information regarding a placement exam (to be taken prior to enrolling).

BIOTECHNOLOGY TRANSITION OPTION
Biotechnology credits can be used toward the completion of the Science track leading to an Associate in Science (A.S.) degree. The four-credit Cell Biology for Technology (BIOL 1000) is one of the suggested science courses. Eight of the Biotechnology certificate program credits (BIOL 1300, 1310 and 2480) would count as science credits and the remaining six credits could be used as elective credits. See the Biotechnology certificate program for more information.
Technical Studies

Associate In Applied Science In Technical Studies (A.A.S.-T.S.) Degree

The Associate in Applied Science degree in Technical Studies (A.A.S.-T.S.) is designed for students who want to take technical and general courses for college credit to meet the training or retraining demands of current or prospective employers. This interdisciplinary degree program enables individual students or groups of employees associated with one employer to tailor technical programs to their own specific needs. Courses are selected on the basis of a student's interests, goals and abilities. Each student's program is individually designed. As the two examples point out, the A.A.S.-T.S. degree is designed to be flexible and interdisciplinary. Because of the variety offered in this degree program, the number of credits required for graduation could vary from 60 to 66.

Anyone interested in earning an A.A.S.-T.S. degree should speak with an admissions officer. Qualified students are referred to the Dean of Business, Science, Technology, Engineering and Math to assess prior learning experiences. Procedures for the assessment of prior learning are outlined in the Academic Information section of this catalog and on www.ccri.edu/priorlearning/. If qualified, a learning contract outlining course requirements leading to the A.A.S.-T.S. degree is developed.

Note: The learning contract is an official document filed in the student's permanent record. It can be changed only with the written approval of the Dean of Business, Science, Technology, Engineering and Math. Any approved changes in a student's program become part of the learning contract.

In general, the program is divided into three parts.

Credit for Prior Learning (not more than 20 credits)

Any occupational or technical training for which prior learning credit is sought must be relevant to a student's education and career goals. This includes apprenticeship, union activities, military training, etc. Awarded credit is based on:

- Assessment of individual portfolios and records. See Credit for Prior Learning in the Academic Information section of this catalog.
- Work completed in evaluated apprenticeship programs and accepted by the appropriate academic teaching departments.
- Other sources, such as CLEP, military schools or industrial schools.

Technical and Related Courses

A student will take 20 credits in technical and related courses. If he or she has insufficient prior experience to receive an award of the full 20 credits of prior learning experience, the student will take additional technical and related courses so that the degree equals no less than 60 credits.

General Education

At least 20 general education credits must be taken. See this page for a complete listing of courses that meet these requirements.

Technical Studies EXAMPLES ONLY

See this page for specific requirements.

EXAMPLE 1

In this example, an individual completes an evaluated apprenticeship program to be an electrician, has an interest in system modeling, automation, digital systems or networking. This individual wants to stay local. A program that might give this individual mobility within the job market might look like the one below. This schedule is meant as an example only.
### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition 1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OR ENGL 2100</td>
<td>OR Technical Writing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL Elective</td>
<td>Course above 1000 level</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See this page for a complete list of courses that fulfill the SSCI attribute.</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MATH 1025</td>
<td>Introduction to College Mathematics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>Math/Science Elective Select three to four credits above 1000 level from MATH, BIOL, GEOL, OCEN, PHYS</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>Take three credits. See this page for a complete list of courses that fulfill the HUMN or SSCI attribute.</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total General Education Requirements Credits</td>
<td></td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

Approved Apprenticeship 20 credits

### Technical Courses

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering &amp; Technology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1810</td>
<td>Networking Technology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ETME 1010</td>
<td>Robotics and Control</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation Technology</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total Technical Courses Credits</td>
<td></td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

Total Program Credits 62-63

### EXAMPLE 2

In this case, an individual may have completed a credit-worthy organized training program, yet new developments in his or her field indicate that he or she will need more formal business-related education. A degree program for this student might look like the one below. This schedule is meant as an example only.
### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Public Speaking</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1050</td>
<td>Psychology in the Workplace</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ECON 2030</td>
<td></td>
<td>Take three credits. See this page for a complete list of courses that fulfill the HUMN or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>OR ECON 2040</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Math/Science Elective**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Take six credits from Math/Science. See this page for listing of courses that fulfill the MSCI or SSCI attribute.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total General Education Requirements Credits

|                      |                           |                                                   | 21      |

Approved Apprenticeship 20 credits

### Technical and Related Courses

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>COURSE NOTES</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSN 1010</td>
<td>Introduction to Business</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2060</td>
<td>Principles of Marketing</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ACCT 1010</td>
<td>Financial Accounting</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ACCT 1020</td>
<td>Managerial Accounting</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>LAWS 2050</td>
<td>Law of Contracts</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Technical and Related Courses Credits

|                      |                           |                                                   | 20      |

Total Program Credits 61
Course Descriptions

ACCT (Accounting)

ACCT 1010 - Financial Accounting
(4 Credits)
This course presents the objectives and basic procedures of accounting for a business organized as a corporation. Topics covered include the accounting cycle for service and merchandising firms, accounting for short-term liquid assets, inventories, long-term assets and current liabilities. Lecture: 5 hours.

ACCT 1020 - Managerial Accounting
(4 Credits)
This course covers the use of accounting data by an organization's management. Topics include the statement of cash flows, financial statement analysis, an introduction to manufacturing accounting concepts, cost-volume-profit analysis, budgeting, capital expenditure decisions, just-in-time and activity-based costing concepts. (Prerequisite: ACCT 1010) Lecture: 5 hours.

ACCT 1030 - Computerized Accounting
(3 Credits)
The course integrates the processing of accounting information with the use of a commercial general ledger software package. An initial presentation of the software is included to develop a specific understanding of menus and navigation techniques. Discussion focuses on setup, maintenance, information entry and report generation. Specific topics of the accounting cycle are presented including journal transactions, accounts receivable, accounts payable, inventory, payroll, financial statements and special projects. NOTE: May be taken concurrently with ACCT 1020. (Prerequisite: ACCT 1010) Lecture: 1.5 hours, Lab: 1.5 hours - Lab Fee: $20

ACCT 1500 - Personal Income Taxes
(3 Credits)
This course provides an overview of the tax problems confronting individuals on the federal level. Tax situations involving incomes, exemptions, deductions and capital gains and losses are undertaken and the pertinent tax forms are discussed. Lecture: 3 hours

ACCT 2010 - Intermediate Accounting I
(4 Credits)
This course involves advanced work on concepts and principles of accounting. Topics include financial statements, cash, temporary investments, receivables and inventories. (Prerequisite: ACCT 1020) Lecture: 5 hours.

ACCT 2020 - Intermediate Accounting II
(4 Credits)
A continuation of ACCT 2010, this course covers the study of the more advanced phases of analysis of financial statements, investments and fixed assets; depreciation and depletion; intangible assets; current and long-term liabilities and stockholders' equity. (Prerequisite: ACCT 2010) Lecture: 5 hours.

ADAS (Administrative Assistant)

ADAS 2510 - Microsoft Office Applications II
(3 Credits)
This course will provide students with further training on Microsoft Office applications that include advanced Word and intermediate Excel using a hands-on approach. In addition, students will continue to develop their keyboarding skills and accuracy. A keyboarding speed range of 30 to 55 wpm is required for this course. Prerequisite: OFTD 1220 or permission of instructor Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

ADAS 2520 - Office Transcription II
(2 Credits)
This course continues to develop proficiency in transcribing from tapes to mailable copy. It is designed to further refine and integrate office skills and applications. Emphasis is on the advanced application of language art skills in the production of written communications. Prerequisite: OFTD 1170 and 1280 or permission of instructor Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20
ADAS 2530 - Office Technology & Procedures II
(3 Credits)
This capstone course enables students to integrate the skills previously learned in the program via a career-related office simulation. Students continue to learn Outlook as well as gaining knowledge of planning meetings and conferences. In addition, students research business data and learn about parliamentary procedures. Emphasis is placed on the development and exercise of decision-making ability and human relations skills. Prerequisite: OFTD 1140 Lecture: 3 hours

ADAS 2570 - Administrative Office Management
(3 Credits)
This course deals with the strategies and issues related to effective supervision of employees who work in an office environment. The relationship between office productivity and management activities such as planning, scheduling, organizing, implementing, evaluating and controlling is examined. Lecture: 3 hours

ADAS 2580 - Office Administration Cooperative Education I
(3 Credits)
This is a planned and supervised cooperative work experience that provides students with an opportunity to observe and participate in a work environment related to their academic interests. Students attend class on campus during weeks one through five then work approximately 13 hours a week in an approved Cooperative Work Experience Placement during weeks six through 15. (Prerequisites: Enrollment in Office Administration program and completion of 24 credits in that program, and 2.0 GPA or permission of instructor) Lecture 25 hours total, CO-OP: 130 hours total

ADAS 2610 - Microsoft Office Applications III
(3 Credits)
This course continues to develop Microsoft Office skills in the areas of Access, Excel and PowerPoint. Students will continue to develop their keyboarding speed and accuracy. A keyboarding range of 35 to 60 wpm is required for this course. (Prerequisite: OFTD 1220) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

ARAB (Arabic)

ARAB 1000 - Basic Spoken Arabic
(3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

ARTS (Art)

ARTS (ART)
This listing of Art courses includes new course numbers and descriptions. Students should review course listings carefully and consult with academic advisers or Art Department faculty to ensure proper course sequence and avoid duplication of course credits.

Art course numbers:
ARTS 1001 through ARTS 1009 are introductory level courses and are open to all students. These courses offer fine arts elective credit for non-art students and liberal arts elective credit for Art majors.

ARTS 1010 through ARTS 1599 are basic foundation level courses and are open to all students. These courses are either required or recommended for Art majors and are strongly recommended for Liberal Arts or General Studies program majors.

ARTS 1600 through ARTS 1999 are open to all students and provide basic study in a variety of art disciplines. Previous study in a foundation level course may be recommended but not required. Other prerequisites may apply.

Courses numbered ARTS 2000 and above are designed for continued work after basic studies have been completed. More than one prerequisite may be required.
### ARTS 1001 - Introduction to Visual Arts
(3 Credits)
This course is an introduction to the basic principles of analyzing and understanding the visual arts. Vocabulary, techniques and a brief history of art are covered with slide lectures, reading and discussion, studio art/design assignments and gallery visits. (Note: Visual Arts elective credit for non-art majors and liberal arts elective credit for art majors) Lecture/studio: 4 hours

### ARTS 1010 - Drawing I
(3 Credits)
This course covers basic drawing processes and techniques. Fundamental skills are developed through a variety of approaches from short exercises to longer compositional studies. Emphasis is on drawing from observation including the depiction of form, light, and space. Studio: 6 hours - Art Studio Fee: $50

### ARTS 1020 - Color
(3 Credits)
The course is an introduction to the basic principles and theories of color. Students develop an understanding of fundamental color concepts as they apply to all areas of the visual arts. Color properties and relationships are explored and utilized through studio projects. Classes include lectures, demonstrations, studio assignments, and critiques. (Prerequisite: NONE although ARTS 1010 or ARTS 1310 is recommended). Studio: 6 hours - Art Studio Fee: $50

### ARTS 1030 - Introduction to Printmaking
(3 Credits)
Introduction to Printmaking is a studio course in basic printmaking skills with equal focus on concept and technique. Students experiment with a variety of printmaking processes including collagraph, intaglio, litho, transfer, and monotype, providing the opportunity to work with a range of printmaking methods and materials. This course will examine the language of printmaking as a unique art form and establish a basis for further work in the medium. Using a variety of approaches, in both black and white and color, students will explore ways they may develop their individual vision through the creation of original prints. (Prerequisite: NONE although ARTS 1010 or ARTS 1310 is recommended). Studio: 6 hours - Art Studio Fee: $50

### ARTS 1035 - Relief Printmaking/Graphic Illustration
(3 Credits)
This course introduces students to relief printing processes as used by a range of including printmakers, designers, illustrators and book artists. The course covers woodcut, linocut and photosensitive plates using hand drawn and digitally produced transparencies. Students learn to use hand tools, printmaking presses and exposure equipment to create, ink, and print their images. Through examples demonstrations and studio-based assignments, students are introduced to the history and vocabulary of relief printmaking. We will experiment with relief printmaking as a method of visual communication, including visual storytelling and narrative, addressing a broad range of ideas, issues and aesthetics to create a portfolio of printed work. No prior printing experience is necessary. Course Completes the Following Requirement(s): FINE: Fine Arts and HUMN: Humanities Requirement - Studio: 6 hours - Art Studio Fee: $50

### ARTS 1050 - Drawing II Life Drawing
(3 Credits)
This course offers an introduction to the study of the human figure and its relationship to the environment. Students draw from both nude models and skeletons. (Prerequisite: ARTS 1010). Studio: 6 hours - Art Studio Fee: $50

### ARTS 1310 - Two-Dimensional Design
(3 Credits)
This studio course introduces students to the elements, principles and construction methods used in making art and design in three dimensions. Using simple materials such as wire, cardboard, Foam-core and plaster, students learn to organize forms in space. The elements of three-dimensional design, including line, plane, volume and mass; and the principles of three-dimensional design, including repetition, variety, rhythm, balance,
emphasis and economy, will be studied and used in the making of studio projects. Classes include lectures, demonstrations, studio assignments and critiques. Studio: 6 hours - Art Studio Fee: $50

| ARTS 1420 - 4D Animation and Design  
(3 Credits)  
This course examines the basic elements of art and design in space and time. Students are introduced to artists working with 4D and New Media Arts to explore their own ideas, spaces and time-based techniques while developing critical thinking in relation to subject, medium, form and content and how all of these can create or effect meaning in 4D art. Students will create works of art using time based techniques such as time lapse, basic cell animation, stop motion, go motion, basic green screen, and sound. Studio: 6 hours - Art Studio Fee: $50 |

| ARTS 1500 - Fine Art Seminar  
(3 Credits)  
Required of all AFA graduates, Fine Art Seminar is a keystone course which prepares students to set and pursue goals, such as: transfer to a four-year art program, or to explore careers in the fields of art and design. Seminar topics include: portfolio preparation, resume development, art school selection, photographing of artwork and exhibition construction. Students will participate in a professionally designed group exhibition which will be held at least once a year in the college’s galleries. (Prerequisites: at least 2 studio courses and 1 art history course or permission of the instructor. Recommended: This class should be taken during the 3rd or 4th semester of the student’s program of studies.) Lecture/Studio: 3 hours |

| ARTS 1510 - Art History: Ancient to Medieval  
(3 Credits)  
This course is a survey of visual art from prehistory through Gothic Europe. Emphasis is placed on how art, architecture and functional objects provide evidence of the religious beliefs and cultural structures of early civilizations. Regions covered include Egypt, the Near East and Europe. Lecture: 3 hours |

| ARTS 1520 - Art History: Renaissance to Modern  
(3 Credits)  
This course is a survey of visual art and architecture from the Renaissance through the 20th century, focused primarily upon European and American study. The manner in which art both reflects and shapes history is a central means of exploration, leading to the complexities of art in the Post-Modern period. (Recommended: ARTS 1510) Lecture: 3 hours |

| ARTS 1530 - Art History: Africa, Asia, Oceania and the Americas  
(3 Credits)  
This course introduces artistic traditions of people in in Africa, Asia, Oceania, and the Americas and explores how examples drawn from historical and contemporary sources convey expressive meaning, relate to religion and philosophy, and reflect historical, political, and economic conditions. Rather than attempt to gain a comprehensive knowledge of a single region or culture, specific topics of inquiry provide insights about how material choices, forms and designs communicate knowledge related to spiritual beliefs and cultural traditions. Through readings and research, the course examines both Western and local/indigenous perspectives related to art around the globe. Lecture: 3 hours |

| ARTS 1550 - Art History: Modern through Contemporary  
(3 Credits)  
This course identifies and analyzes art after 1945 in the U.S. and prominent art centers internationally. Emphasis is placed on artists’ philosophies, art media and processes, and the role of art in society, politics and culture. Major movements in Modernism, Post-Modernism and Contemporary are addressed. Topics are presented through reading, lecture, discussion, writing, video, and museum/gallery visits. Lecture: 3 hours, Lab 1 hour |

| ARTS 1610 - Textile Design/Fibers  
(3 Credits)  
This course is designed to introduce students to a variety of dyeing and surface design techniques on fabric, with an emphasis on learning the elements and principles of two-dimensional design. Techniques may include shibori tie-dye, batik wax-resist, paste-resist, block printing and photo transfer. Traditional and contemporary examples of these processes are presented and good craftsmanship is emphasized. (Recommended: ARTS 1010 or 1020 or 1310). Studio: 6 hours - Art Studio Fee: $50 |

| ARTS 1630 - Introduction to Sculpture and Form  
(3 Credits)  
Concept development and structural problem-solving are emphasized in this study of sculpture and three-dimensional form. Studio assignments evolve out of an examination of historical and contemporary examples of sculpture, architecture, design and engineering, as well as forms found in
the natural world. Classes include demonstrations, studio assignments, critiques and lectures. (Recommended: ARTS 1410). Studio: 6 hours - Art Studio Fee: $50

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<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>ARTS 1650</td>
<td>Ceramics I</td>
<td>3</td>
<td>This course is an introduction to fine art ceramics. Coil, slab and other basic hand building methods as well as glazing and various kiln firing methods are covered. Kiln and basic glazes are provided; clay and tools must be purchased. (Recommended: ARTS 1410). Studio: 6 hours - Art Studio Fee: $50</td>
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<tr>
<td>ARTS 1660</td>
<td>Ceramics II</td>
<td>3</td>
<td>This is a continuation of fine arts ceramics using advanced hand-building techniques. Wheel throwing, glaze formulation, kiln management and alternative firing methods are introduced. Kiln and basic glazes are provided; clay and tools must be purchased. (Prerequisite: ARTS 1650 or permission of instructor). Studio: 6 hours - Art Studio Fee: $50</td>
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<tr>
<td>ARTS 1710</td>
<td>Graphic Design I</td>
<td>3</td>
<td>This course provides an introduction to the basic principles of graphic design and visual communication. Graphic representation and typographic fundamentals are explored with electronic and traditional media, tools, skills and methodology. A history of graphic communication is presented through example and slide presentation. (Prerequisite: none, although ARTS 1310 is recommended). Studio: 6 hours - Art Studio Fee: $50</td>
</tr>
<tr>
<td>ARTS 1720</td>
<td>Graphic Design II</td>
<td>3</td>
<td>This course continues coverage of concepts introduced in Graphic Design I. Focus is on creative image making and typographic development in a variety of visual formats. Projects provide experience with elements of print and/or digital publication design, logo design, poster design and the design of visual systems. (Prerequisite: ARTS 1710 or permission of instructor). Studio: 6 hours - Art Studio Fee: $50</td>
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<tr>
<td>ARTS 1810</td>
<td>Darkroom Photography I</td>
<td>3</td>
<td>This course emphasizes the creative and expressive aspects of form and content of traditional black and white photography using light sensitive materials. Course covers principles of exposure using cameras, film, and paper to make photographic images. Darkroom printing, alternative cameras and processes will also be included. Students provide or borrow a 35 mm SLR film camera with manual exposure controls. Studio: 6 hours - Art Studio Fee: $50</td>
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<tr>
<td>ARTS 1820</td>
<td>Darkroom Photography II</td>
<td>3</td>
<td>Practice and refinement of basic black and white photographic techniques and introduction to advanced material. The history, styles and critical theory of photography are presented. Students create visually and conceptually unified portfolios focusing on presentation, sequencing and multiple images. (Prerequisite: ARTS 1810 or permission of instructor). Studio: 6 hours - Art Studio Fee: $50</td>
</tr>
<tr>
<td>ARTS 1840</td>
<td>Digital Art I</td>
<td>3</td>
<td>This course explores creative and technical issues related to computer-based image making as an effective means of artistic expression. While students apply the fundamentals using the latest industry-standard digital photo editing software, they also acquire both the manual and conceptual skills associated with creativity in the digital realm. Projects provide experience with image manipulation, montage, color corrections, retouching, and layout and design of individual artist's projects. Studio: 6 hours - Art Studio Fee: $50</td>
</tr>
<tr>
<td>ARTS 1845</td>
<td>Video Art</td>
<td>3</td>
<td>This course is an introduction to the use of video as a form of artisic expression and visual communication. Students learn about structure, form, rhythm and pace. Emphasis is placed on image and sound manipulation, editing and theory, as they relate to capturing video and audio, and finalizing content for DVD or web. Complete and short form projects are produced that explore the relationship of subject, form and content in the creation of meaning. Works by video artists are viewed and discussed. Studio: 6 hours - Art Studio Fee: $50</td>
</tr>
</tbody>
</table>
ARTS 1850 - Digital Photography I  
(3 Credits)  
This course is an introduction to the technique of digital photography and its use as a form of artistic expression and visual communication. Course covers principles of image creation using digital cameras, image correction and manipulation with industry standard software, and inkjet printers to make photographic prints. Students provide or borrow a digital camera, which must have manual, program, aperture and shutter priority exposure modes. Studio: 6 hours - Art Studio Fee: $50

ARTS 2010 - Painting I  
(3 Credits)  
This course offers an introduction to the painting process through an investigation of theories, materials and techniques. Historical and contemporary aesthetic issues are explored through studio assignments, slide lectures, discussions, critiques, and museum and gallery visits. (Prerequisite: ARTS 1010 or ARTS 1020). Studio: 6 hours - Art Studio Fee: $50

ARTS 2020 - Painting II  
(3 Credits)  
A continuation of Painting I, this course encourages further development of personal artistic expression with emphasis on aesthetic and critical theory. Lectures, discussions, studio assignments, critiques, and museum and gallery visits are included. (Prerequisite: ARTS 2010 or permission of instructor). Studio: 6 hours - Art Studio Fee: $50

ARTS 2050 - Drawing III - Life Drawing  
(3 Credits)  
A continuation of Drawing II, this course emphasizes excellence in drawing, design and color in exploring relationships between the human figure and the environment. Studio: 6 hours - Art Studio Fee: $50

ARTS 2130 - Art Studio Seminar  
(3 Credits)  
This seminar course is for any student who wants to do advanced work in any studio area. The most advanced course offered by that particular studio area must have been successfully completed or taken concurrently. Seminar work involves independent Projects and research done under the guidance of an Art Department faculty advisor. Before signing up for Seminar, students must choose a faculty advisor and submit to them a proposed program of study for approval. Studio Seminar may be elected for one to three credits. Lecture/Studio: 6 hours.

ARTS 2360 - Printmaking II  
(3 Credits)  
A continuation of the material covered in Introduction to Printmaking, this course allows students to further their skills in printmaking media. Students will learn to use color processes, the registration of unique and multiple impressions, and the integration of digital or photo-sensitive plates. This course will encourage students to explore both traditional and alternate approaches to create printed images that reflect their individual interests. (Prerequisite: ARTS 1030 or ARTS 1035, or permission of instructor) Studio: 6 hours - Art Studio Fee: $50

ARTS 2660 - Ceramics III  
(3 Credits)  
Students are required to develop a proposal for a project(s) they will develop and create by the conclusion of the semester. Exploration of alternate construction methods other than those covered in Ceramics I and II are encouraged as well as an investigation into a personal artistic voice in clay. Kiln and basic glazes are provided; clay and tools must be purchased. (Prerequisite: ARTS 1660 or permission of instructor). Studio: 6 hours - Art Studio Fee: $50

ARTS 2820 - Photography Portfolio  
(3 Credits)  
A continuation of Darkroom Photography II, this course requires students to create a visually and thematically cohesive portfolio of exhibition quality photographs. Through research on photographic history, artists and styles, students identify influences and acquire historical perspective. (Prerequisite: ARTS 1820 or 2850 or permission of instructor). Studio: 6 hours - Art Studio Fee: $50

ARTS 2840 - Visual Web Design  
(3 Credits)  
The focus of this course is design of a visual experience for the World Wide Web and the making of Net Art. Students will develop interactive web publications and original web art experiences using the latest industry-standard imaging and graphical interface-based software. Students will learn to
successfully address multiple design issues related to web development such as organizational concepts, navigation design, image manipulation, and typographic application. The course focuses on developing a sequence of coded art with increasingly sophisticated web pages using creative links, text, images and multimedia segments. (Prerequisite: ARTS 1840 or permission of instructor). Studio: 6 hours - Art Studio Fee: $50

ARTS 2850 - Digital Photography II
(3 Credits)
This course continues skill development in digital camera operation and image editing with the introduction of advanced techniques, including crafting inkjet prints. Students are encouraged to develop a personal, expressive style in addition to mastering a range of photographic techniques while they create a visually and conceptually cohesive, exhibition quality portfolio. DSLR or equivalent camera required. (Prerequisite: Undergraduate level ARTS 1850 Minimum Grade of D). Studio: 6 hours - Art Studio Fee: $50

ASLG (American Sign Language)

Course Completes the LANG: Foreign Language Requirement.

ASLG 1010 - American Sign Language I
(3 Credits)
This is a beginner's course in the sign language of the deaf in the United States. The course equips students with skills that enable communication in American Sign Language, both expressively and receptively. Topics relevant to the use of sign language include: the role of signs in American education of the deaf, the oral vs. manual controversy, the philosophy of total communication and standards and ethics of sign language interpreting. Students are expected to attain competency with 600 common signs and to adhere to acceptable standards in utilizing this skill. *Elective for Liberal Arts. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

ASLG 1020 - American Sign Language II
(3 Credits)
This is a second level course in the sign language of the deaf in the United States. This course concentrates on improving skills acquired in American Sign Language and focusing on effective conversational skills, both expressive and receptive. Students are expected to attain competency with 600 signs and a working knowledge of American Sign Language. Elective for Liberal Arts program. (Prerequisite: ASLG 1010) Note: Grade of C or better required for Human Services program students. Lecture: 3 hour

ASLG 2010 - American Sign Language III
(3 Credits)
This is an intermediate level sign language course that emphasizes further development of expressive and receptive skills appropriate for a broad range of conversational situations. Grammatical functions are stressed along with a more in-depth study of deaf history, deaf culture, linguistics and the use of classifiers. Note: Grade of C or better required for Human Services program students. (Prerequisite: ASLG 1010, 1020) Lecture: 3 hours

ASLG 2020 - American Sign Language IV
(3 Credits)
This course provides the second level of intermediate study in American Sign Language. Expressive and receptive skills are expanded and refined to advance students toward interpreter training in fields beyond human service settings. Proficiency in areas calling for in-depth dialogue with individuals and group members from the deaf community is stressed. Note: Grade of C or better required for Human Services program students. (Prerequisite: ASLG 1010,1020, 2010) Lecture: 3 hours

ASTR (Astronomy)

ASTR 1010 - The Solar System
(4 Credits)
Major topics covered in this course are the historical development of astronomical understanding, concepts of the celestial sphere, the technology of astronomical observations, modern planetary science derived from the space program, small bodies of the solar system and the origin and evolution of the solar system. Evening observing sessions are included as an optional part of the course (clear skies permitting). Note: This course fulfills one lab science requirement for the A.A. Degree. Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

ASTR 1020 - The Stellar System
(4 Credits)
This course includes the study of the science of analyzing radiation that reaches Earth from extraterrestrial objects; the sun; stellar properties; the life cycles of stars; systems containing more than one star including clusters and galaxies, extraordinary objects such as neutron stars, pulsars, black

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holes and quasars; and the origin and evolution of the universe. Evening observing sessions are included as an optional part of the course (clear skies permitting). Note: This course fulfills one lab science requirement for A.A. Degree. Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

**BIOL (Biology)**

**BIOL 0600 - Essentials of Anatomy and Physiology**  
(1 Credit)  
This five-week, modular, online course prepares students for success in Human Anatomy & Physiology (BIOL 1070); Human Anatomy & Physiology 1 (BIOL 2201); and, Human Anatomy & Physiology 2 (BIOL 2202). The focus of this course is development of basic skills required for success in higher education: study skills, time management, basic math and language skills. Students learn the scientific background necessary to be successful in life science courses: basic concepts in Biology (biological terminology, cellular structure) and basic concepts in Chemistry (ions, chemical bonding, terminology, and chemical notation). Lecture: 3 hours

**BIOL 1000 - Cell Biology for Technology**  
(4 Credits)  
This biology course is designed to introduce basic biological principles while specifically examining life processes at the cellular level. Topics include cell chemistry, the relationship between cell structure and function, metabolism, molecular genetics and cellular communication, Contempory cell-related technology, as well as its impact and significance, is emphasized. (Prerequisites: ENGL 0890 with a grade of B or better or Accuplacer exemption from Reading AND Students must also demonstrate competency in mathematics through required math placement testing: a Math Accuplacer score equivalent to the successful completion of pre-algebra OR successful completion of any of the following courses or their equivalent: MATH 0101, 1200, 1025, 1179, 2111, 2141, 2142, 2243 or 2362) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

**BIOL 1001 - Introductory Biology: Organismal**  
(4 Credits)  
This course is one part of a two-semester introduction to the fundamentals of biology intended for science majors. However, BIOL 1001 may be taken independently of BIOL 1002. The course investigates the diversity in form and function of the major groups of organisms through the presentation and discussion of biological processes and systems including anatomy, physiology, genetics, evolution, and ecology. (Prerequisites: ENGL 0890 with a grade of B or better or Accuplacer exemption from Reading AND MATH 0099 with a grade of C or appropriate placement test score) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

**BIOL 1002 - Introductory Biology: Cellular**  
(4 Credits)  
This course is one part of a two-semester introduction to the fundamentals of biology intended for science majors. It may be taken independently of BIOL 1001. The course investigates biology at the cellular level through the presentation of such topics as: the chemistry of the cell, the structure and function of macromolecules and organelles, energy and cell metabolism, photosynthesis, genetics, cell reproduction and differentiation, DNA structure and synthesis, and gene expression. (Prerequisites: ENGL 0890 with a grade of B or better or Accuplacer exemption from Reading AND MATH 0099 with a grade of C or appropriate placement test score) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

**BIOL 1005 - Biology in the Modern World**  
(4 Credits)  
This course investigates the basic biological principals needed to understand and make informed decision regarding vital biological issues in today's world; for example, global warming, obesity, biodiversity, cancer, race, genetic engineering, and human population growth. Note: This course is designed for non-science majors; not open to science majors. This class fulfils four credits of Math/Science General Education requirements. (Prerequisites: ENGL 0700 and MATH 0099 with grade of C or appropriate placement test score.) Lecture: 3 hours, Lab: 2 hours

**BIOL 1007 - Explorations in Biology**  
(4 Credits)  
Targeted towards Non-Science majors, the course introduces students to core biological concepts and themes including: microorganisms, anatomy and physiology, cellular organization, evolution, and ecology. Using a broad, topical approach, students will gain a greater appreciation of the diversity in form and function of organisms. Linking lectures will tie major concepts together and enable students to apply this knowledge in a practical manner in regards to their health and the environment. Critical thinking in learning and application of principles acquired will be an integral part of this course. (Prerequisites: ENGL 0890 with grade of “C” or better or ACCUPLACER exemption from reading and MATH 0099 with grade of C or appropriate placement test score) Lecture: 3 hours, Lab: 2 hours
BIOL 1020 - Human Physiology  
(4 Credits)  
This course presents a study of the human organism, including basic chemical composition and function of the cell. The course stresses homeostatic control systems and coordinated body functions. (Prerequisite: BIOL 1010) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

BIOL 1050 - Humans and the Environment  
(3 Credits)  
A study of our relation to the ecosystem, this course focuses on environmental issues such as energy supplies, energy alternatives, forms of pollution, food production, population growth and resources management. (Prerequisite: ENGL 0700 with grade of C or appropriate placement test score) Lecture: 3 hours

BIOL 1070 - Human Anatomy and Physiology  
(3 Credits)  
This course introduces students to the basic principles of anatomy and physiology necessary for a general understanding of the human body. The relationship between structure and function is emphasized. (Prerequisite: ENGL 0700 and MATH 0099 with grade of C or appropriate placement test score) Lecture: 3 hours

BIOL 1080 - Introduction to Clinical Procedures  
(3 Credits)  
Lectures provide an understanding of the theoretical basis and physiological implications of clinical procedures in the medical office and prepare students for further professional training. Laboratory experiences in vital signs, asepsis, sterilization, blood studies and urine studies supplement the lecture material. (Prerequisites: BIOL 1070 and ENGL 0700 with grade of C or appropriate placement test score and enrollment in the Medical Secretary/Assistant program). Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

BIOL 1100 - Introduction to Pharmacology  
(1 Credit)  
This course provides an introduction to basic pharmacology, terminology and mechanism of drug action. Use, adverse response, special cautions, and interactions of drugs commonly used in dental and medical practices are emphasized. (Prerequisites: BIOL 1070 OR 1020 and ENGL 0700 with grade of C or appropriate placement test score and enrollment in the Medical Secretary/Assistant program) Lecture: 1 hour

BIOL 1200 - The Human in Health & Disease  
(3 Credits)  
This course is designed to teach people more about themselves. Topics include cancers, birth defects, birth control, organ transplants, cloning, infectious diseases, heart disease, and diets. (Prerequisites: ENGL 0700 AND MATH 0099 with grade of C or appropriate placement test score) Lecture: 3 hours

BIOL 1300 - Orientation to Biotechnology  
(1 Credit)  
This course provides an overview of the history and fundamental principles necessary to understand the role of biotechnology in our society. Specific topics are selected to provide examples of applications, ethical considerations and career paths in the field of biotechnology. Students are also introduced to the pathway leading from research and development, to production of a biopharmaceutical product, including the regulatory considerations that are involved. (Prerequisites: ENGL 0890 with grade of 'B' or better or ACCUPLACER exemption from reading and MATH 0099 with grade of C or appropriate placement test score) Lecture: 1 hour

BIOL 1310 - Introduction to Biotechnology Laboratory Skills  
(3 Credits)  
This course provides an opportunity for students to learn laboratory skills that are fundamental to successful, efficient and safe practices in a biotechnology research, quality control or production laboratory setting. Students are introduced to methods of measurement, data collection and analysis, solution and media preparation, safe laboratory practices and the practical application of mathematics to these processes. In addition, students are introduced to Good Laboratory Practices (GLP), Good Manufacturing Practices (GMP) and related topics that emphasize the significance of maintaining quality in a biological research or production setting. (Prerequisites: MATH 0101 AND CHEM 1030 OR CHMT 1120, CHMT 1121 OR CHMT 8000 OR equivalent OR permission of instructor. Required reading level: Completion of ENGL 0890 with grade of B or better or Accuplacer exemption from reading) Lecture: 1 hour, Lab: 3 hours - Lab Fee: $20
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<td>BIOL 2040</td>
<td>Human Sexuality</td>
<td>3</td>
<td>This course offers an exploration of the physiological, psychological and cultural aspects of human sexuality. Topics include reproductive health, forms and evolution of sexual expression, psychosexual development and the role of sex in the individual's life as well as in society. (Prerequisite: ENGL 0700 with grade of C or appropriate placement test score) Lecture: 3 hours</td>
</tr>
<tr>
<td>BIOL 2090</td>
<td>Genetics</td>
<td>3</td>
<td>This course covers basic concepts of inheritance, variation and evolution in plants and animals, including a survey of Mendelian, molecular, cellular and population genetics. (Prerequisite: MATH 1200 or 1179 AND ENGL 0890 with a grade of B or better or Accuplacer exemption from Reading) Lecture: 3 hours</td>
</tr>
<tr>
<td>BIOL 2150</td>
<td>Laboratory in Genetics</td>
<td>2</td>
<td>Selected aspects of genetics are demonstrated using bacteria, fungi, fruit flies and other organisms. Each student must design, carry out and present the result of a project. (Prerequisites: One year of biology and concurrent registration in BIOL 2090 and appropriate Math placement test score AND ENGL 0700 with grade of C or appropriate placement test score) Lab: 4 hours</td>
</tr>
<tr>
<td>BIOL 2201</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
<td>Human anatomy and physiology of the human body is taught in a two semester sequence, using a systems approach. The relationship between form and function is emphasized, both microscopically and gross, at each level of organization. This course provides basic anatomical terminology and homeostatic concepts beginning at the molecular level of organization and progressing through cell biology, histology, the integument, and skeletal, muscular and nervous systems. Prerequisites: (1) ENGL 0890 with grade of B or better or Accuplacer exemption from reading, (2) MATH 0099 with grade of C or appropriate test score. BIOL 1002 strongly recommended. Lecture: 3 hours, Lab: 3 hours</td>
</tr>
<tr>
<td>BIOL 2202</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
<td>This course continues basic anatomical and homeostatic concepts beginning with the endocrine system, progressing though the cardiovascular and lymphatic systems, including immunity, the respiratory system, the digestive system and metabolism, the urinary system including acid/base and fluid/electrolyte balance, and reproductive systems. Prerequisite: BIOL 2201 with a grade of C or better. Lecture: 3 hours, Lab: 3 hours</td>
</tr>
<tr>
<td>BIOL 2210</td>
<td>Introductory Microbiology</td>
<td>4</td>
<td>This course involves the study of microorganisms that cause diseases in humans. Topics included are prokaryotic and eukaryotic cell types, growth, control of growth, microbial metabolism, genetics, immunology and microorganisms of medical importance. (Prerequisites: BIOL 1010 and 1020 or BIOL 2201 and 2202) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>BIOL 2220</td>
<td>Introduction to Pathophysiology</td>
<td>3</td>
<td>The course begins by examining the disease process in general, from the etiology of disease at the cellular level to the physiologic changes that occur as the disease moves from incipient stage to full expression. The second half of the course examines the pathogenesis of specific diseases system by system. (Prerequisites: BIOL 1010 and 1020) Lecture: 3 hours</td>
</tr>
<tr>
<td>BIOL 2480</td>
<td>General Microbiology</td>
<td>4</td>
<td>This course offers a look at microbes and particularly bacteria from a biochemical and molecular perspective. Emphasis is placed on microbial physiology and genetics with applications to biotechnology. (Prerequisites: One year of chemistry and one semester of biology AND ENGL 0700 AND MATH 0101 with grade of C or appropriate placement test score. Biotechnology Certificate program students can fulfill the prerequisites with CHMT 1121, BIOL 1000 and permission of instructor) Lecture: 2 hours, Lab: 4 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>BIOL 2500</td>
<td>Applications in Science and Math</td>
<td>1</td>
<td>This capstone course is intended for students in their final semester of the AS in Science program. It will allow students an opportunity to demonstrate an integration of knowledge and abilities acquired in previous science and mathematics courses with the added intent of having students</td>
</tr>
</tbody>
</table>

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develop new insights. Students will read selected articles, such as those that come from scientific journals, in a variety of fields and then have the opportunity to collaborate with their peers and hone writing, synthesis and presentation skills in a seminar setting. (Prerequisite: Successful completion of a minimum of 21 General Education credits and a minimum of 18 Science credits or permission of instructor - SEE DEPARTMENT CHAIRPERSON FOR PERMISSION OVERRIDE) Lecture: 2 hours

**BUSN (Business Administration)**

**BUSN 1000 - Workplace Relationship Skills**
(3 Credits)
Critical to success in the workplace is the ability to develop and maintain effective working relationships with co-workers, supervisors, subordinates and both internal and external customers. This course guides students in developing interpersonal skills and strategies to manage their work lives. Lecture: 3 hours

**BUSN 1010 - Introduction to Business**
(3 Credits)
This course emphasizes both small and publicly traded businesses along with strategies for competing in modern economic conditions. Topics include: cultivating a business in a diverse global environment, developing and implementing customer-driven strategies, motivating and empowering employees to satisfy customers and financing a small business. This course serves as a prerequisite for several courses in the business curriculum. However, this prerequisite may be waived and credit received by examination or submission of a portfolio. Contact the department for details. Lecture: 3 hours

**BUSN 1040 - Personal Finance**
(3 Credits)
This course helps individuals manage their money and property. Financial planning, budgeting, consumer protection, consumer credit, investing, housing and insurance are discussed. Lecture: 3 hours

**BUSN 1050 - Small Business Administration**
(3 Credits)
This course covers the practical considerations involved in starting and operating a small business. Topics include what business to enter, success factors, financing, location, franchising, managing, record-keeping and small business computers. Lecture: 3 hours

**BUSN 1060 - Leadership Development**
(3 Credits)
This course provides emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve their leadership skills. The course integrates readings from the humanities, experiential exercises, films and contemporary readings on leadership. Lecture: 3 hours

**BUSN 1145 - Introduction to Entrepreneurship**
(3 Credits)
This introductory course is designed to provide students with an overview of the skills and competencies needed to become an effective entrepreneur or intrapreneur, while also allowing them the opportunity to practice being an entrepreneur. Students will be exposed to concepts such as Design Thinking, Innovation, and Value Creation, as well as how to develop one’s own Entrepreneurial Mindset.

**BUSN 1150 - Introduction to International Business**
(3 Credits)
This course introduces students to the importance and role of international business. Predominant themes include culture and business opportunities. Topics include international trade, balance of payments and multinational companies. Factors and entities that influence trade are considered. (Recommended: BUSN 1010) Lecture: 3 hours

**BUSN 1165 - The Design Process**
(3 Credits)
This course will allow students to have a hands-on experience utilizing the Design Thinking process to identify, analyze and create opportunities for businesses and individuals. It examines key strategic issues related to new product development and will teach students to think strategically about innovation, development, and deployment utilizing a test and learn design process.
BUSN 1185 - The Lean Startup  
(3 Credits)  
The focus of this course is on developing a new business concept or idea and rapidly assessing its viability. You will be exposed to the concept of “thinking big but starting small” by utilizing the “test and learn” approach to lean startups which includes launching small experiments, prototyping rapidly and inexpensively, tolerating failures and learning from mistakes. (Prerequisite: BUSN 1165)

BUSN 1220 - QuickBooks, Computer Application  
(1 Credit)  
QuickBooks is a widely used computerized accounting package for small businesses. Topics covered include writing checks and paying bills, creating reports, managing accounts receivable and accounts payable, invoicing, managing inventory and preparation of payroll. Concepts are presented through hands-on exercises using a case study approach. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

BUSN 2050 - Principles of Management  
(3 Credits)  
This course introduces students to the basic role of the manager in modern business. Among the topics discussed are: paradigm shifts; environmental factors affecting decision-making; ethics/social responsibility; and planning organizing, motivating and controlling organizational resources. (Prerequisite: BUSN 1010. May be waived. See course description for BUSN 1010) Lecture: 3 hours

BUSN 2060 - Principles of Marketing  
(3 Credits)  
This course offers an introduction to the basic concepts and operations involved in the marketing process. Among the topics covered are the basic marketing functions, identification and selection of target markets (including international), marketing research and technologies, pricing, products, promotion and channels of distribution. (Prerequisite: BUSN 1010. May be waived. See course description for BUSN 1010) Lecture: 3 hours

BUSN 2061 - Marketing Communications  
(3 Credits)  
This course provides an introduction to the basic promotional tools available to the person interested in marketing a business or service. Topics to be covered include: source credibility, message development, media selection and understanding audiences. Communication with audiences through advertising, public relations and printed materials are explored. Lecture: 3 hours

BUSN 2063 - Sales  
(3 Credits)  
This course introduces the fundamental skills required for work in a sales position. Topics include: the role and importance of selling, sales processes, personal qualities necessary for salesmanship and basic procedures for seeking a sales position. Lecture: 3 hours

BUSN 2065 - Advertising Principles  
(3 Credits)  
This survey course deals with the planning, creation and role of advertising in our society. Topics include: advertising strategy development, media planning and the function of ad agencies. All major media are covered. Lecture: 3 hours

BUSN 2070 - Management Strategy  
(3 Credits)  
This course is the capstone for the Management Concentration and the Management Certificate programs. Integration of key aspects covered in other management, business and communications courses are utilized. Emphasis is on the formulation, application and justification of managerial strategies through the use of cases and simulation. (Prerequisites: ACCT 1010, BUSN 2050, BUSN 2060. Note: ACCT 1020 strongly recommended) Lecture: 3 hours

BUSN 2100 - Entrepreneurship Capstone  
(3 Credits)  
THIS COURSE IS THE CAPSTONE FOR THE CERTIFICATE IN ENTREPRENEURSHIP AND IS OFFERED IN AN INDEPENDENT STUDY FORMAT. TO ENROLL IN THIS COURSE, CONTACT THE BUSINESS DEPARTMENT CHAIRPERSON FOR DETAILS. Students work with a member of the business faculty in developing a Business Plan, in conjunction with the Rhode Island Business Plan Competition. The completed plan is reviewed by the faculty member who will then determine your final grade. All work is done independently without the benefit of classroom instruction. (Prerequisites: ACCT 1010, BUSN 1010, BUSN 1050.)
BUSN 2110 - Money and Banking  
(3 Credits)  
This course is an analysis and description of the monetary and banking aspects of our present economic system. Introductory material on money, credit and monetary standards precedes a more intensive study of the nature and functions of commercial banking and the Federal Reserve System. Lecture: 3 hours

BUSN 2120 - Investments  
(3 Credits)  
This course studies the scope and nature of investment from the viewpoint of the individual investor. The course includes discussions of investment objectives, types of securities, mechanics of investing, security market procedures, sources of information, security analysis and forecasting techniques. Lecture: 3 hours

BUSN 2160 - Management and Labor Relations  
(3 Credits)  
This course is the study of the evolution of the labor relations concept in the public and private sectors. Emphasis is placed on techniques that have resulted in sound management-labor relations policies. (Lecture: 3 hours)

BUSN 2350 - Human Resources Management  
(3 Credits)  
This course introduces the functions and management of human resources in the development of an effective work force. Topics include job descriptions, recruitment and hiring procedures, training, performance evaluation methods, motivation, incentive compensation, the grievance procedure, application of affirmative-action legislation and implementation of health and safety programs. (Prerequisites: BUSN 1010, 2050) Lecture: 3 hours

CHEM (Chemistry)

CHEM 1000 - Chemistry of Our Environment  
(4 Credits)  
This course is an introductory, entry-level course in chemistry for non-science majors, with emphasis on every day, practical applications. The course covers basic chemistry principles, which are then applied to contemporary issues. Use of mathematics is minimized as much as possible. The laboratory assignments demonstrate topics discussed in class. Note: This course is a prerequisite for CHEM-1060 and is recommended as a Science elective in the Liberal Arts or General Studies program. (Prerequisite: MATH 0101 or higher with grade of C or ACCUPLACER testing out of MATH 0101) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

CHEM 1010 - Survey of Biomedical Chemistry  
(5 Credits)  
This is an introductory study of chemistry principles that form the foundation for understanding biomedical and dental sciences. Content includes atomic theory, chemical bonding, the nature and properties of matter and solutions, the colloidal state, crystallization and the chemical functioning of basic biological compounds. Laboratory exercises demonstrate concepts presented in lectures. (Prerequisite: MATH 0101 or higher with grade of C or better or ACCUPLACER testing out of MATH 0101 and Chemistry placement exam or CHEM 1020 with grade of C or better.) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour - Lab Fee: $20

CHEM 1020 - Basic Skills for Chemistry  
(3 Credits)  
This course is for students who are inadequately prepared to enter General Chemistry, Health Science Chemistry or Survey of Biomedical Chemistry. Topics stressed are physical measurements, problem-solving and chemical language. Students are given first-hand experience in data gathering, evaluation and presentation. Note: Not open to students who have already completed CHEM 1010, 1030 or 1180 without permission of department chairperson. (Prerequisite: MATH 0101 or higher with grade of C or better or ACCUPLACER testing out of MATH 0101 and Chemistry placement exam) Lab/Recitation: 4 hours - Lab Fee: $20

CHEM 1030 - General Chemistry I  
(5 Credits)  
Principles of chemistry dealing with the structure of matter, periodic system, chemical bonding, formulas and equations are studied in this course. Laboratory work provides an opportunity to see the applications of these chemical principles. Note: This course is for students who plan to pursue further studies in science, pharmacy or engineering. (Prerequisite: MATH 0101 or higher with grade of C or better or ACCUPLACER testing out of
CHEM 1060 - Chemistry of Hazardous Materials
(3 Credits)
This course provides an insight into hazardous liquids, solids and gases. Students are exposed to basic chemistry, storage, handling laws, standards and firefighting practices pertaining to hazardous liquids, solids and gases. (Prerequisites: CHEM 1000). Lecture: 3 hours

CHEM 1100 - General Chemistry II
(5 Credits)
This course, together with CHEM 1030 satisfies the requirement for one year of science. Lectures are concerned with rates of reactions, equilibria, thermodynamics, electrochemistry, nuclear chemistry and complexation reactions. Laboratory involves further application of chemical principles and the separation and identification of inorganic ions. (Prerequisite: CHEM 1030 with a grade of C or better) Lecture: 3 hours, Recitation: 1 hour, Lab: 3 hours - Lab Fee: $20

CHEM 2250 - Organic Chemistry I Lecture
(3 Credits)
This course deals with chemical principles involved in organic reactions. Emphasis is placed on compounds in the aliphatic series. (Prerequisites: Enrollment in ENGN/ENBC or ENGN/ENCH programs and CHEM 1100 with a grade of C or better). Lecture: 3 hours

CHEM 2260 - Organic Chemistry II Lecture
(3 Credits)
A continuation of CHEM 2250, this course emphasizes the aromatic series of organic compounds and synthetic organic chemistry. (Prerequisite: Enrollment in ENGN/ENCH programs and CHEM 2250 with a grade of C or better) Lecture: 3 hours

CHEM 2270 - Organic Chemistry I
(5 Credits)
This course deals with the chemical principles involved in organic reactions. Emphasis is placed on compounds in the aliphatic series. The laboratory enhances lecture material by illustrating methods of preparation, purification and characterization of organic compounds using accepted techniques. (Prerequisite: CHEM 1100 with a grade of C or better) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

CHEM 2280 - Organic Chemistry II
(5 Credits)
A continuation of CHEM 2270, this course emphasizes the aromatic series of organic compounds and synthetic organic chemistry. The laboratory enhances lecture material by illustrating methods of preparation, purification and characterization of organic compounds using accepted techniques. (Prerequisite: CHEM 2270 with a grade of C or better) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

CHEM 2500 - Applications in Science and Math
(1 Credit)
This capstone course is intended for students in their final semester of the Science program. It will allow students an opportunity to demonstrate an integration of knowledge and abilities acquired in previous science and mathematics courses with the added intent of having students develop new insights. Students will read selected articles, such as those that come from scientific journals, in a variety of fields and then have the opportunity to collaborate with their peers and hone writing, synthesis and presentation skills in a seminar setting. (Prerequisite: Successful completion of a minimum of 21 General Education credits and a minimum of 18 Science credits or permission of instructor - SEE DEPARTMENT CHAIRPERSON FOR PERMISSION OVERRIDE) Lecture: 2 hours

CHIN (Chinese)

CHIN 1000 - Basic Spoken Chinese
(3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours
### CHIN 1030 - Elementary Chinese I
(3 Credits)
This elementary Chinese language course provides beginning students with basic Mandarin language skills. Students will learn both the language and culture nuances through different contexts. By the end of the semester, students will be able to comprehend and engage in simple daily conversations, accurately pronounce Chinese characters with the help of Han Yu Pin Yin (the Chinese pronunciation system), recognize nearly 200 Chinese characters, and understand the basic Chinese writing system. (Lecture: 3 hours)

### CHIN 1040 - Elementary Chinese II
(3 Credits)
Elementary Chinese II is a follow-up course to Elementary Chinese I. This course will provide further comprehensive training in the four basic language skills: listening, speaking, reading, and writing through different contexts. Students will also have the opportunity to further expand their vocabulary (up to 500 basic characters) and learn more appropriate Chinese grammar and sentence structures to comprehend and engage in daily conversations. The aim of this course is to continue to build a solid foundation for those who would like to learn Chinese at a higher level. (Lecture: 3 hours)

### CHMT (Chemical Technology)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHMT 1120</td>
<td>Chemical Technology I</td>
<td>6</td>
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<td></td>
<td>This course is an introduction to basic concepts in chemistry. The course covers chemical properties, identification and separation of substances, atomic and molecular structure, elements and compounds, liquids and solutions; the periodic table and the naming of inorganic substances. Students will use a variety of instruments including the gas chromatograph, manometers, analytical balances and visible spectrophotometers. Lecture: 2 hours, Lab: 8 hours - Lab Fee: $20</td>
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<tr>
<td>CHMT 1121</td>
<td>Chemistry for Biotechnology</td>
<td>3</td>
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<td></td>
<td>This course provides an introduction to basic concepts in chemistry and instruction in the use of instruments, including gas and liquid chromatographs, electronic balance, visible spectrophotometers and pH meters. Topics covered include chemical properties, identification and separation of substances, atomic structure, elements and compounds, gases and solutions, acids and bases and amino acids and proteins. Lecture: 2 hours, Lab: 3 hours - Lab Fee: $20</td>
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<tr>
<td>CHMT 1220</td>
<td>Chemical Technology II</td>
<td>6</td>
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<td>This course is a continuation of Chemical Technology I and covers acid-base chemistry, equilibrium, qualitative and quantitative analysis. (Prerequisite: CHMT 1120 or its equivalent) Lecture: 2 hours, Lab: 8 hours - Lab Fee: $20</td>
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<tr>
<td>CHMT 2320</td>
<td>Chemical Technology III</td>
<td>10</td>
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<td>This course is a continuation of Chemical Technology II and covers an introduction to organic chemistry via a study of organic functional groups, classification of organic compounds using wet and instrumental methods and organic reactions. It will also focus on infrared spectrophotometry separation methods, including gas chromatography and high pressure liquid chromatography (Prerequisite: CHMT 1220 or its equivalent) Lecture: 4 hours, Lab: 12 hours - Lab Fee: $20</td>
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<tr>
<td>CHMT 2420</td>
<td>Chemical Technology IV</td>
<td>8</td>
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<td>This course is a continuation of Chemical Technology III and covers the nature of reversible processes, equilibrium constants, solute and solvent systems and the kinetics of chemical reactions. Instrumental methods used include atomic absorption, emission spectroscopy, ultraviolet and NMR spectroscopy. The course concludes with a variety of special methods and student projects. (Prerequisite: CHMT 2320 or its equivalent) Lecture: 4 hours, Lab: 8 hours - Lab Fee: $20</td>
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</table>
CNVT (CMP Networking Virtual Tech)

CNVT 1000 - Computer Repair A+ Hardware
(3 Credits)
This course covers the installation, configuration and troubleshooting of hardware components. The material is presented to prepare the student for the A+ Core Hardware examination. This course may not be used as an elective in the electronics or instrumentation programs. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

CNVT 1010 - Computer Repair A+ Software
(3 Credits)
This course covers installation, configuration and troubleshooting of software/operating system components. The material is presented to prepare the student for the A+ OS Technologies examination. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

CNVT 1200 - Introduction to Wireless
(3 Credits)
This course introduces wireless networking over a range of applications, from cell phones to wireless local area networks (WLAN), to broadband wide area network links and satellite. Topics covered include an overview of wireless communication technology, protocol layers, local area network (LAN) hardware, IP addressing, 802.11 standards, MA (Media Access Control) standards, WLAN components, basic security, basic RF theory, antennas and troubleshooting. The student will have hands-on experience with various LAN and WLAN networking components, applications, tools and projects. (Prerequisite: CNVT 1000 or permission of department) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

CNVT 1810 - Networking Technology
(3 Credits)
This course provides students with a thorough understanding of how basic networking components work in a practical hands-on environment utilizing state-of-the-art telecommunications equipment. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

CNVT 1820 - Intermediate Networking
(3 Credits)
This course focuses on networking terminology and protocols, networking standards, LAN, WAN, OSI modules, Ethernet, token ring, FDDI, TCP/IP addressing protocol, dynamic routing and the network administrator's role and function. (Prerequisite or corequisite: CNVT 1810) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

CNVT 1830 - LAN Design and Management
(3 Credits)
This course focuses on advanced networking concepts that enable students to design and implement local area networks and virtual local area networks. (Prerequisite: CNVT 1820) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

CNVT 1840 - WAN Design and Management
(3 Credits)
This course focuses on advanced networking concepts that enable students to design and implement wide area networks. (Prerequisite or corequisite: CNVT 1830) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

CNVT 2010 - Cisco CCNP Route
(5 Credits)
Cisco ROUTE covers specialized routing concepts including advanced IP addressing techniques, CIDR, NAT, DHCP, IP helper addresses, dynamic routing, static routing, default routing, single area OSPF, multi-area OSPF, point-to-multipoint OSPF, multi-area OSPF, EIGRP route summarization, route redistribution, route filters, route maps, policy routing, BGP, IPv6 and network security. (Recommended: Successful completion of CCNA exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Spring only. Lecture: 3 hours, Lab: 5 hours - Lab Fee: $20

CNVT 2030 - Cisco CCNP Switch
(5 Credits)
Cisco SWITCH concentrates on advanced concepts of multi-layer switching in a network environment. Topics include switching technologies, LAN Media, Gigabit Ethernet, switch configuration, VLANs, VLAN Trunking Protocol (VTP), Spanning Tree Protocol, multi-layer switching, redundant
routing protocols, multicasting, and restricting network access. (Recommended: Successful completion of CCNA exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Fall only. Lecture: 3 hours, Lab: 5 hours - Lab Fee: $20

### CNVT 2060 - CCNP TSHOOT: Cisco IP Network
(5 Credits)
This course concentrates on advanced concepts of internetwork troubleshooting. Topics include network maintenance and methodologies, troubleshooting processes, troubleshooting tools, maintaining switched and routed solutions, addressing services, performance issues, and network security implementations. (Prerequisites: CNVT 2010, 2030 or equivalent. Recommended: Successful completion of CCNA exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Lecture: 3 hours, Lab: 5 hours - Lab Fee: $20

### CNVT 2100 - Basic Voice Over Internet Protocol (VoIP)
(3 Credits)
This course concentrates on the transmission of voice over the Internet using Internet Protocol (VoIP). Focus is on the transmission of voice over high speed network connections and quality of service issues and solutions associated with this transmission. VoIP technology, signaling standards, network configuration and queuing are addressed. (Prerequisite: CNVT 1830, equivalent experience, or permission of department) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

### CNVT 2200 - Network Security Hardware
(4 Credits)
This course concentrates on network security procedures and practices as they apply to routed networks. Security threats and their management; intrusion detection; securing networks through hardware devices; Authentication, Authorization and Accounting (AAA); firewall technologies; cryptographic systems and virtual private networks (VPNs) are included. (Recommended: Successful completion of CCENT exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20 - Lab Fee: $20

### CNVT 2300 - Desktop Technician-Consumer
(3 Credits)
In this course, students learn how to install and support users running the Microsoft Windows operating system. Topics include installing operating systems and service packs, managing access to files and folders, configuring hardware devices and drivers, setting up network protocols, configuring security options and troubleshooting associated problems. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

### CNVT 2310 - Desktop Technician-Business
(3 Credits)
In this course, students learn how to install and support desktop applications running under the Microsoft Windows operating system. Applications include the complete Office Suite, Outlook and Internet Explorer. Students learn how to set up standard and custom configurations for these applications. They also learn how to manage security issues and respond to breaches. Troubleshooting problems associated with these applications, including connectivity issues, also are explored. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

### COMI (Computer Studies & Info. Proc.)

### COMI
(computer studies and information processing)


### COMI 1000 - Computer Basics
(1 Credit)
This course is designed for students with no familiarity with computers. It covers topics such as working with Windows and the Windows desktop, file handling, email and the Internet (browsing and searching). Lab: 4 hours - Lab Fee: $10

### COMI 1100 - Introduction to Computers
(3 Credits)
This computer literacy course provides a comprehensive introduction to the principles of computers and information processing. Students are introduced to the operation and terminology of computer systems as well as certain selected application software packages such as word processing, spreadsheets and presentation software. Note: Lecture and lab hours vary by instructor but total four hours per week. - Lab Fee: $20
COMI 1150 - Programming Concepts  
(3 Credits)  
This course introduces important concepts and skills necessary for computer programming. Emphasis is on structured programming techniques and top-down design. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMI 1215 - Programming in C++  
(3 Credits)  
This is a comprehensive course in programming in C++. Topics include types, operators, expressions, control flow, functions, arrays, pointers, and file handling. (Recommended: COMI 1150) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMI 1225 - Programming in C#  
(3 Credits)  
This course covers the fundamentals of software development using Microsoft’s Visual Studio C# object-orientated programming language. Data Structures, Methods, Classes, Decision Making, Iteration and Arrays are covered. (Recommended prerequisite: COMI 1150) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

COMI 1240 - Object-Oriented Programming  
(3 Credits)  
This course introduces students to the fundamentals of designing and coding object-oriented programs. Basic topics such as objects, classes and class inheritance are discussed. Students write programs using one of the object-oriented languages. (Prerequisite: One of the following required: COMI 1150, COMI 1215, COMI 1225, COMI 1510, or COMI 2040) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMI 1260 - Introduction to SQL  
(3 Credits)  
This course offers a foundation in the fundamentals of SQL. Particular attention is devoted to the use of ANSI-Standard SQL to construct and manipulate database objects. Students create database tables work with Functions and Operators, and generate SQL scripts to extract and manipulate data from the database. Lecture: 3 hours, Lab: 1 hour Fee: $20.00 Completes the following requirement(s): computer programming requirement (PROG). - Lab Fee: $20

COMI 1410 - Personal Computer Software  
(3 Credits)  
This course introduces operational procedures for several standard data management software packages that utilize computer systems. Students construct and manipulate data files to produce clear, concise reports. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

COMI 1415 - Personal Computer Operating System  
(1 Credit)  
This module familiarizes students with operating system commands for the personal computer. Students are exposed to statements to enhance their computer operation abilities. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

COMI 1420 - Introduction to Spreadsheets  
(1 Credit)  
The purpose of this module is to introduce the operational procedures for a spreadsheet software package. Students construct and manipulate data files to produce clear and concise reports. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

COMI 1422 - Intermediate Spreadsheets  
(1 Credit)  
This module presents topics and functions, advanced database techniques and additional add-in topics. It focuses on conceptual features beyond the scope of beginning spreadsheet uses. Topics include utilizing additional spreadsheet features and macro planning and development. (Recommended: COMI 1420) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

COMI 1425 - Advanced Spreadsheets  
(1 Credit)  
This module covers advanced topics using integrated spreadsheet software including macros, application design and menu building. (Recommended: COMI 1422) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10
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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Description</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
<th>Lab Fee</th>
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<tbody>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td>1</td>
<td>This module introduces students to different methods of organizing and accessing computer files. Fundamentals of database design and management are covered. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10</td>
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<tr>
<td>COMI 1432</td>
<td>Intermediate Database Software</td>
<td>1</td>
<td>This module focuses on the creation and manipulation of data files to produce meaningful output using database software. Emphasis is on the presentation of queries, forms and reports. (Recommended: COMI 1430) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10</td>
<td>2</td>
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<tr>
<td>COMI 1440</td>
<td>Presentation Software (PowerPoint)</td>
<td>1</td>
<td>This module focuses on the use of computer software that incorporates presentation as well as analytical graphics. Students create informative report documents and visual presentations using charts, graphs and/or pictures. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10</td>
<td>2</td>
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<tr>
<td>COMI 1450</td>
<td>WINDOWS Operating System</td>
<td>3</td>
<td>This course familiarizes students with the Windows operating system. Basic and advanced features of Windows are demonstrated. Students explore topics in system diagnostics and troubleshooting, networking, configuration, customization, and commonly used software tools as well as learning about new developments in Windows. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 1451</td>
<td>Introduction to WINDOWS</td>
<td>1</td>
<td>This module familiarizes students with the graphical-user operating environment. Basic functions of Windows are demonstrated. Students do laboratory assignments to utilize the basic operating functions of Windows such as file handling, fonts, graphics, icons and screen control. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $10</td>
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<tr>
<td>COMI 1460</td>
<td>Unix Operating System</td>
<td>3</td>
<td>This course covers basic command structures and syntax of the UNIX operating system and includes file and directory manipulation and shell scripts. Essential system administration topics and system administration shell scripts also are discussed as well as system startup/shutdown, account management and system backup of the UNIX operating system. This class covers advanced system administration topics including networking, security, printing systems and graphical-user interface of the UNIX operating system. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 1461</td>
<td>Introduction to UNIX</td>
<td>1</td>
<td>This module exposes students to the basic command structures and syntax of the UNIX operating system. Content includes file and directory manipulation as well as use of shell scripts. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $10</td>
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<tr>
<td>COMI 1470</td>
<td>Windows Programming Using C++</td>
<td>3</td>
<td>This course focuses on using C++ to design programs that run under the Windows operating system. It includes an overview of object-oriented concepts, creating Windows applications, capturing the mouse and keyboard, creating menus, dialog boxes and toolbars and single and multiple document interfaces. (Recommended: COMI 1150 and 1215) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 1475</td>
<td>Introduction to VISIO</td>
<td>1</td>
<td>This module introduces basic Visio tools. Students create and manipulate drawings and shapes, including flow charts, diagrams and organizational charts. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $10</td>
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<tr>
<td>COMI 1510</td>
<td>Java Programming</td>
<td>3</td>
<td>This course introduces students to topics in programming and software design using the Java programming language. Specific topics reflect current technologies and might include an introduction to object-oriented program design, data analysis, and search and sort algorithms. (Prerequisite: One of the following required: COMI 1150, COMI 1215, COMI 1225, COMI 1240, COMI 2040) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Description</td>
<td>Lecture Time</td>
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<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
<td>1</td>
<td>This module introduces introductory word processing features such as creating, printing and editing a document. This course covers formatting documents including text and paragraphs. Students use spelling, grammar and auto-correct features and are introduced to headers, footers and tables in basic word processing documents. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $10</td>
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<tr>
<td>COMI 1750</td>
<td>HTML (5)</td>
<td>3</td>
<td>This course provides an in-depth introduction to HTML 5 and CSS 3 emphasizing conformance to W3C specifications. Students begin by creating simple web pages and progress to include images, hyperlinks, tables, web forms, animations and transitions. A portfolio website will be created, including examples of attempts at cloning existing websites. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 1701</td>
<td>Introduction to HTML</td>
<td>1</td>
<td>This module introduces students to the use of the HTML language and the basic features of HTML scripting. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $10</td>
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<tr>
<td>COMI 1755</td>
<td>Fundamentals XML eXtensible Markup Language</td>
<td>3</td>
<td>This course introduces fundamentals of XML languages to define and validate data, use schemas, transformations, linking, VML, SMIL and CSS. XML files are used with different editing software. Assignments are used to demonstrate XML activity at students' websites. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 1770</td>
<td>Fundamentals of Website Development</td>
<td>3</td>
<td>This course provides an in-depth introduction to a variety of technologies used in modern web development. Building on a base of HTML 5 and CSS 3, students will explore JavaScript, JQuery and related technologies for building dynamic web sites. Students will also be introduced to server-side scripting and best practices for web hosting. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 1800</td>
<td>Computer Networking Software Linux</td>
<td>3</td>
<td>This course presents the administration of a LINUX network. Topics include installing, using, administering and maintaining a LINUX network. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td>3</td>
<td>This course presents the terminology and operating principles of Microsoft Windows server software. Students learn how to use, install and maintain Microsoft Windows networking software. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 2010</td>
<td>Client-Side Scripting Languages</td>
<td>3</td>
<td>This course will introduce scripting languages and their use in programming for the World Wide Web with a focus on client-side scripting. It will include fundamental programming topics such as memory concepts, control structures and writing functions. It also will include an introduction to both client-side and server-side scripts. (Recommended prerequisites: COMI 1150 and 1770) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td>1</td>
<td>This module introduces students to project management software, an essential tool used by most information technology environments. Upon completion of this course, students are able to create and analyze projects using Microsoft Project Manager. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $10</td>
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<tr>
<td>COMI 2020</td>
<td>Network Security Software Fundamentals</td>
<td>3</td>
<td>This course introduces students to networking security, a critical knowledge point for technology professionals. This course provides students with introductory concepts and technical skills needed to create and maintain a secure network environment. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20</td>
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COMI 2031 - Computer Support: Concepts  
(3 Credits)  
This course introduces students to basic technical concepts, functions and support systems. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

COMI 2033 - Computer Support: Tools and Techniques  
(3 Credits)  
This course focuses on software support tools and how to determine which tools are best suited for particular environments as well as methods to assess the success and effectiveness of these tools. (Prerequisite: COMI 2031) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

COMI 2035 - Introduction to Computer Forensics  
(3 Credits)  
This course starts with the basics of computer technology to build a foundation for understanding where evidence can be found. It introduces students to the technology and procedures of acquiring and analyzing digital evidence taken from computers. This course also exposes students to the software being used in the industry. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

COMI 2036 - Introduction to Computer Ethics  
(3 Credits)  
This course explores the ethical impact of computer technology on the world, as well as the rules and regulations that ensure the proper use of technology. Internet crime, privacy protection and first amendment rights that protect our freedoms in cyberspace are closely examined. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMI 2037 - Introduction to Cybersecurity  
(3 Credits)  
This course introduces students to the opportunity that exists in the cybersecurity field. Topics such as certified ethical hacking, cyber threats and vulnerabilities and cryptography are introduced. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

COMI 2040 - Beginning Game Programming  
(3 Credits)  
This course will introduce the student to game development and the beginning principles of game programming. (Required: COMI 1150) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

COMI 2055 - Introduction to Virtual Computing  
(1 Credit)  
This five-week class provides an introduction to computer virtualization concepts which include hands-on activities of installing, configuring and using virtualization products. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

COMI 2225 - Advanced Programming in C#  
(3 Credits)  
This course introduces the student to advanced topics in programming and software design using Microsoft’s C# programming language. Topics covered include classes, abstract classes, inheritance, ADO.Net data driven applications using a database, ASP.Net for Web applications, collections and file streams. (Prerequisites: COMI 1215, 1225, or permission of instructor) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMI 2510 - Advanced Java Programming  
(3 Credits)  
This course introduces students to advanced topics in programming and software design such as graphical modeling techniques and algorithms and analysis as well as current techniques in interface design and user interaction. Specific topics reflect current technologies and might include inheritance and polymorphism in object-oriented design and graphical user interfaces and the event loop. (Required: COMI 1510) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMI 2520 - Data Structures and Algorithms  
(3 Credits)  
This course introduces the student to data structures, algorithm design, and space and time complexity analysis. Topics include common data structures such as linked lists, stacks, queues, binary trees, searching and sorting algorithms, maps, and hash tables, and techniques of run-time complexity analysis such a Big O notation. (Prerequisite: COMI 2510) Lecture: 3 hours, Lab 1 hour. - Lab Fee: $20
COMM (Communication)

COMM 1000 - Foundations in Video and Audio Production
(4 Credits)
This introductory hands-on course is designed for students who have little or no experience in video/sound production. They learn the basics of image and sound creation necessary for subsequent courses. Topics include camera and microphone operation, video and audio capture, camera supports, editing, adding foley and sound tracks, tiling, effects, and color correction. Students will also learn how to compress and encode video so that it is optimized for current platforms. (Prerequisite: Eligible for ENGL 1005 or higher and ENGL 0850 or higher or permission of instructor). Lecture: 4 hours - Lab Fee: $20

COMM 1005 - Careers in Communication & Film
(1 Credit)
This course is designed to give students an overview of the Communication and Film industries and related careers. Students will explore personal values and academic goals through individual projects, class exercises and group interaction as they learn the educational requirements of specific career degrees and develop the baseline skill necessary for working in Communication or Film, including ethical reasoning, effective communication and self-directed lifelong learning. This course is required for all students in the Communication and Film degree and should be taken during the student’s first semester in the program. Lecture: 1 hour

COMM 1010 - Communication Fundamentals
(3 Credits)
This course examines fundamental concepts related to communicating across a variety of contexts and cultures while emphasizing practical application to everyday life. Through multiple methods (readings, lectures, discussions, activities, research, written and speaking assignments), this course presents predominant theories of and guided experiences with interpersonal, group, and public communication. Focus is on analyzing audiences, identifying/evaluating communication styles, researching effectively, and presenting sound arguments. The real-world skills that students develop help them maintain healthy relationships, increase understanding of others, and voice ideas and concerns in public forums. (Prerequisites: Eligible for ENGL 1005 or higher and ENGL 0850 or higher or permission of instructor). Lecture: 3 hours

COMM 1050 - Mass Media Foundations
(3 Credits)
This introductory course surveys how media influences individuals, cultures, and societies. Topics include entertainment media, digital media, the Internet, books, newspapers, magazines, recordings, advertising, and other relevant issues. In addition, media ethics and responsibility, government regulation, legal issues, politics, and corporate media will be examined. Lecture: 3 hours

COMM 1100 - Public Speaking
(3 Credits)
This one-semester basic course in speech is designed to develop each student's ability to communicate effectively in his or her academic, business and social life. The major emphasis is on the preparation and delivery of formal speeches, but many areas of the communication process are explored. (Prerequisites: Eligible for ENGL 1005 or higher and ENGL 0850 or higher or permission of instructor). Lecture: 3 hours

COMM 1110 - Voice and Articulation
(3 Credits)
Designed for those people with speech habits resulting in problems of being heard and understood, this course emphasizes voice development and improvement in articulation for clearer and more effective speech. Lecture: 3 hours

COMM 1180 - Oral Interpretation
(3 Credits)
This course is designed for students with experience in speaking who are planning careers that require them to read aloud, to be dramatic and to tell stories, possibly to children. The student will learn to interpret prose and poetry orally for the entertainment and edification of small or large audiences. Lecture: 3 hours

COMM 1400 - Social Media Communication
(3 Credits)
This course will explore the history, rise, and growth of social media as a 21st century communication practice. Students will study the advances that led to the creation of social media and just as importantly examine how the use of social media fed its growth. Students will develop social media
communication plans and practice digital communication using online tools, such as Facebook, Twitter, LinkedIn, Kickstarter, YouTube, Flickr, Digg, and Tumblr. Lecture: 3 hours

**COMM 2000 - Media Writing**  
*(3 Credits)*  
This course provides instruction in writing for print, broadcast, video, and new media. Students will practice skills including form and content required for various media. Writing objectively, considering legal and ethical issues, developing ideas and stories, gathering information, and interviewing are some concepts covered by this course. (Prerequisite: Placement in ENGL 1010 or completion of ENGL 1005 with a grade of C or better). Lecture: 3 hours

**COMM 2025 - Interpersonal Communication**  
*(3 Credits)*  
This course surveys theories and concepts related to communication between individuals. Through participation in course activities and assignments, students will analyze interpersonal interactions in the world around them and apply strategies to improve their own communication style to meet personal, social, and professional goals. Topics include self-concept, perception, effective listening, types of relationships/stages of development, nonverbal communication, and conflict resolution. Emphasis is placed on examining interpersonal communication from diverse perspectives, including age, gender, race, and culture. (Prerequisites: Eligible for ENGL 1005 or higher and ENGL 0850 or permission of instructor). Lecture: 3 hours

**COMM 2050 - Media and Broadcast History**  
*(3 Credits)*  
Media and Broadcast History is an overview of the institutional, technological, and social history of media and broadcasting. Starting with media of early civilization, students will study developments and trends throughout history that will culminate with media of the present. This course will reveal the major models of print, radio, television and the Web that have provided the foundation for communication in industry and society. The historical roles of content producers, broadcasters, and government regulators will be explored to provide students with a greater understanding of media today. Lecture: 3 hours

**COMM 2100 - Studio Production**  
*(3 Credits)*  
This introductory course familiarizes students with video production in a studio environment, including the use of studio cameras, studio lighting and sound and control room functions. Students will acquire the necessary skills to produce basic video productions for television and the Web. Students will learn to communicate effectively by making class presentations, writing production proposals and completing video productions. (Prerequisite: COMM 1000) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

**COMM 2200 - Documentary Production**  
*(3 Credits)*  
This course builds on basic video production principles learned in COMM 1000 and COMM 2100 and incorporates field production techniques. Students will use both analog and digital technology. Lectures, screenings, and hands-on labs provide an in-depth understanding of video production and related business topics. Also included are technical aspects of scripting, lighting, camera operation, continuity, post-production editing, logistics, and preparing a production budget. (Prerequisite: COMM 1000) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

**COMM 2221 - Multimedia Reporting**  
*(3 Credits)*  
In this course, students will learn the latest technologies to write, produce, and distribute media stories for a variety of formats. Building on writing skills, students will become proficient in using still cameras, video cameras, and audio-recording devices to support a news story. Students will use cameras and audio-recording devices to deliver a news story. In essence, this course exposes students to skills needed by contemporary media journalists. (Prerequisite: COMM 2000). Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

**COMM 2300 - Video & Media Editing**  
*(3 Credits)*  
This course provides the student with an in-depth study of the history, techniques and technology of video and media editing. Students will study the principles and practices of editing by analyzing examples from classic and contemporary film and video as they learn how to build and strengthen a story and engage an audience. Using the latest industry non-linear software tools, students will work on advanced editing exercises that provide opportunities to master the editing process. An overview of the editing process, techniques, in-depth procedures, and skills will be reviewed. At the end of the course, the student will have learned the skills necessary to prepare for professional certification. (Pre-requisite: COMM 1000) Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20
COMM 2310 - Sound Design and Production
(3 Credits)
This course examines the techniques and production of audio communication. Students will explore elements of audio for media, including video, radio, web, commercials, news reporting, sports commentary, monologues, narration, voice-over, podcasting, ADR, Foley, film scoring and mixing. (Prerequisite: COMM 1000). Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMM 2350 - Motion Graphics for Media Communication
(3 Credits)
This course teaches students the syntax of motion graphics so that they understand the how and why of incorporating effects in a video sequence. Students become familiar with industry standard tools to make video productions communicate more effectively, much like writers use parts of speech and punctuation to craft their messages. (Prerequisite: COMM 1000). Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMM 2400 - Production and Distribution Fundamentals
(3 Credits)
Students in this course gain a practical understanding of the planning and distribution of media productions and film projects. This course incorporates budget; recruitment of crew and talent; preparation of sets, props, and costumes; and marketing media strategies. In addition to learning through lectures, screenings, and labs to gain an in-depth understanding and working knowledge of the business side of media, students will use digital technology to optimize media for broadcast, web, commercial and social media outlets across various devices. Digital methods will include media streaming, DVD authoring, and television and podcasting. Special attention will be given to providing students with practical experience in preparing their own media portfolio for presentation to prospective employers, clients, and college or university admission. (Prerequisite: COMM 1000). Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMM 2490 - Field Experience
(2 Credits)
In this course, students will work off-site at a company and interest area that they are studying. Students will be matched with an opportunity that allows them to apply their skills learned in the classroom and that provides a real-world experience in Communication and Film/Media. (Prerequisite: Last semester and/or permission of instructor). Lecture: 2 hours, Site hours: 6 hours

COMM 2500 - Portfolio Capstone
(2 Credits)
In this course, students will create a professional portfolio of representative work that demonstrates their skills and ability in media creation. Through a series of short exercises and assignments, students will assemble a body of work from their course assignments and independent projects to create this comprehensive online portfolio. The course is taken in the last semester of the program sequence. (Prerequisite: Last semester and/or permission of instructor). Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20

COMP (Computer Science)

COMP 1170 - Computer Application Systems
(3 Credits)
This course covers processes followed in designing computer systems, characteristics of key business computer applications and inter-relationships between computer applications. Exercises and case problems are used to provide a thorough understanding of flowcharting techniques and application development. Lecture: 3 hours

COMP 1200 - Database Design & Management
(3 Credits)
This course provides a foundation in database theory. Students learn database design principles utilizing ERD and Normalization techniques. Database implementation and management utilizing SQL basics and transactions are also discussed. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMP 1210 - Database Implementation and Administration
(3 Credits)
This course focuses on the significant aspects of implementing, utilizing and maintaining a database using a relational DBMS. Students learn the basics of database implementation including installing and configuring a DBMS, creating and populating database tables, managing database tables using constraints and indexes, and extracting data using SQL. (Recommended: COMP 1200) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20
COMP 1230 - Systems Analysis and Design  
(4 Credits)  
This course serves as a capstone course and offers an introduction to concepts, methodology and techniques used in business-systems analysis and the design of computerized business systems. A project-team approach is used to solve a case study. (Recommended: Take in final semester or with permission of instructor.) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

COMP 2430 - Operating Systems  
(4 Credits)  
This course covers the structure and components of operating systems. Topics include controlling system resources, interface concepts, multiprogramming, networks and command language techniques of current operating systems. Laboratory assignments provide application of these principles. Lecture: 3 hours, Lab: 1 hour - Lab Fee: $20

COMP 2500 - Cybersecurity Practicum/Capstone Course  
(3 Credits)  
The Cybersecurity Practicum/Capstone course provides “hands on” experience to promote development of important skills. Weekly meetings with the course instructor will review key program topics. To complete the course, the student is required to spend an average of 10 hours per week of field work under the guidance of industry professionals in order to apply the accumulation of program knowledge in a real world setting. The student will be required to produce a report relating to the work experience and how it is connected to the content of this program. This class also has an on-campus meeting requirement which will be used to develop a portfolio identifying the experiences the student has been exposed to in the field. Students will keep a working journal during the semester to help assess the progress of their experience. (Prerequisite: Final semester standing and permission of instructor) Lecture: 1 hour, Clinical: 10 hours per week for 13 weeks - Lab Fee: $20

CTIC (Computed Tomography Imaging)

CTIC 1010 - Fundamentals of CT  
(1 Credit)  
This hybrid interactive, web-based course is designed to provide students with an overview of CT instrumentation, imaging applications, physics, data acquisition, and history. Students will learn to apply theory to different types of CT equipment, Module 1 describes the history and evolution of computed tomography and the most common uses of CT scanning in medical imaging. You will learn the location and function of major CT equipment components and the basic digital imaging process. Module 2 provides an in-depth description of major CT equipment components and the sequence of events from the application of electrical current to the radiographic tube to the image. You will learn how adjusting the operator console parameters can affect CT image data and the elements of a digital image. Module 3 describes the methods of acquiring computed tomography images, the process of data acquisition and the factors influence that process. You will learn the functions of the data acquisition system and the selectable scan factors used to acquire an image Prerequisite: Acceptance into CT Certificate Program. Corequisite: CTIC 1020 and CTIC 1030 (5 weeks, 4 hours/week)

CTIC 1020 - Procedures and Protocols in CT Imaging  
(2 Credits)  
This hybrid interactive, web-based course is designed to provide students with an overview of CT procedures. Students will match pathologic processes with the appropriate procedures; choose scan parameters; perform patient history assessments, preparation, filming, and archiving; and review CT images for anatomy, quality, and pathology and common diseases diagnosed via CT. Module 4 describes the steps for computed tomography image reconstruction and the post-processing techniques needed for image enhancement. Students will learn how certain tools are used to view a CT image and the methods used for recording and archiving CT data. Workstation applications for specialized CT scanning are also described in this module. Module 7 explains how to properly position a patient and select appropriate scan parameters for common CT examinations. Students will learn why different window widths and levels are selected and the imaging planes required for each procedure. Module 6 explains methods used to determine image quality in computed tomography and factors that affect image quality. You will learn how to identify CT image artifacts and the factors that influence artifacts. The tests associated with quality control programs are also discussed in this module. Prerequisite: Acceptance into CT Certificate Program. Corequisite: CTIC 1010 and CTIC 1030 (10 weeks, 4 hours/week)

CTIC 1030 - Cross-sectional Anatomy I  
(6 Credits)  
This hybrid interactive, web-based course will focus on anatomy of the human body as it is viewed in the various axial, coronal, and sagittal planes. Radiologic anatomy will be viewed in the context of illustrations and pictures of gross anatomical sections. Module 8 identifies and describes the anatomical planes and structures of the head and neck. You will also learn how to describe the stages of human embryo development as it relates to this region of the body Module 9 describes the major structures of the chest, abdomen and pelvis and how these structures function. You will learn how to identify abdominal quadrants and how to locate organs or structures on a diagram or CT image. CT Clinical Practicum I course is designed to
allow qualified technologist to complete the number of clinical procedures mandated by the American Registry of Radiologic Technologist (ARRT) to be considered eligible to apply to sit for certification in CT, while emphasizing the importance of patient care, radiation safety and the principles of radiation protection in the CT department. The course is designed to allow the students hands-on experience documenting and performing CT exams within the clinical setting under the direct supervision of a registered technologist. This course is competency based, and students will be assessed through competency exams to document the achievement of clinical objectives. Prerequisite: Acceptance into CT Certificate Program. Corequisite: CTIC 1010 and CTIC 1020 (Lecture 10 weeks, 3.5 hours/week. Clinical 10 weeks, 16 hours/week)

CTIC 2010 - Patient Care for CT
(1 Credit)
This hybrid interactive, web-based course is designed to provide the basic concepts of patient care as they relate to CT. Topics include emergency procedures, sterile and aseptic techniques, phlebotomy, body mechanics, infection control and standard precautions, patient assessment, cultural competence, contrast media, and basic pharmacology in imaging. Introduces Radiation Safety. Module 5 describes the methods used to measure patient dose and the role of the computed tomography technologist in reducing radiation exposure. You will learn shielding and positioning techniques designed to keep both you and the patient safe. Special considerations for pediatric patients are detailed in this module as well. Module 5a presents the basic principles, concepts, and procedures of radiation protection and radiobiology. Topics include radiation units; principles of radiation protection; absorbed dose calculations; health physics procedures; radiation exposure regulations; and reduction of radiation exposure to patients, personnel, and the environment. Prerequisite: CTIC 1010, CTIC 1020, CTIC 1030. Corequisite: CTIC 2020 and CTIC 2030 (5 weeks, 4 hours/week)

CTIC 2020 - Advanced Applications and Pathology for CT
(3 Credits)
This hybrid interactive, web-based course is designed to provide students with advanced applications involving other modalities such as Interventional Radiology. Students will be introduced to common pathology imaged using CT with its advantages. Module 10 describes the current trends and basic procedures in computed tomography and how modifications are used for trauma and pathology. You will learn the uses of virtual CT in medical imaging and how CT is used in radiation therapy treatment planning, nuclear medicine and mobile imaging. Module 11 explains how to identify selected pathology on CT images and how to distinguish between the CT appearance of normal organ tissues and tissues with pathological changes. You will also learn the causes for common pathologies and their processes. This is part one of a two-part series. Module 12 is a continuation of Module 11 and is part two of the two-part series. This module explains how to identify selected pathology on CT images and how to distinguish between the CT appearance of normal organ tissues and tissues with pathological changes. You will also learn the causes for common pathologies and their processes. Prerequisite: CTIC 1010, CTIC 1020, CTIC 1030. Corequisite: CTIC 2010, CTIC 2030 (Lecture 5 weeks, 3.5 hours/week. Clinical 5 weeks, 16 hours/week)

CTIC 2030 - Cross-sectional Anatomy II
(6 Credits)
This hybrid interactive, web-based on-line course will focus on anatomy of the human body as it is viewed in the various axial, coronal, and sagittal planes. Radiologic anatomy will be viewed in the context of illustrations and pictures of gross anatomical sections. Module 2 presents sectional anatomy of the cranium and facial bones. This module is designed to enhance your study of your sectional anatomy course textbook. Sections 2 through 6 provide a detailed study of the anatomy of the cranium and facial bones divided into portions. Module 4 presents sectional anatomy of the vertebral column and spinal cord. This module is designed to enhance your study of your sectional anatomy course textbook. Sections 2 through 6 provide a detailed study of the spine. Module 6 presents sectional anatomy of the thorax. This module is designed to enhance your study of your sectional anatomy course textbook. Sections 2 through 8 provide a detailed study of thoracic anatomy. Module 9 presents sectional anatomy of the upper extremity, including the shoulder joint. This module is designed to enhance your study of your sectional anatomy course textbook. Sections 2 through 6 provide a detailed study of the anatomy of the upper extremity. Module 10 presents sectional anatomy of the lower extremity, including the hip joint. This module is designed to enhance your study of your sectional anatomy course textbook. Sections 2 through 5 provide a detailed study of the anatomy of the lower extremity, divided into portions. CT Clinical Practicum I course is designed to allow qualified technologist to complete the number of clinical procedures mandated by the American Registry of Radiologic Technologist (ARRT) to be considered eligible to apply to sit for certification in CT, while emphasizing the importance of patient care, radiation safety and the principles of radiation protection in the CT department. The course is designed to allow the students hands-on experience documenting and performing CT exams within the clinical setting under the direct supervision of a registered technologist. Prerequisite: CTIC 1010, CTIC 1020, CTIC 1030. Corequisite: CTIC 2010, CTIC 2020 (Lecture 10 weeks, 3.5 hours/week. Clinical 10 weeks, 16 hours/week)

CYBR (Cybersecurity)

CYBR 1100 - Introductory Cyber Range Tools and Techniques
(3 Credits)
This course focuses on techniques, considered preventative in nature, which are used to manage and protect networking devices from external attacks. This course utilizes hands-on virtual labs which allow students to examine sophisticated devices such as ASA firewalls and to explore how
these devices may be used to control access to resources. We will also explore methods to test, audit, and analyze the outcomes of a cyber-attack. Lecture: 3 hours, Lab 1 hour. - Lab Fee: $20

**CYBR 1200 - Defending Internal Threats using the Cyber Range**
(3 Credits)
This course focuses on techniques, considered preventative in nature, which are used to manage and protect networking devices from internal attacks. This course utilizes hands-on virtual labs which allow students to examine sophisticated devices such as ASA firewalls and to explore how these devices may be used to control access to resources. We will also explore methods to test, audit, and analyze the outcomes of a cyber-attack. Lecture: 3 hours, Lab 1 hour. - Lab Fee: $20

**DAST (Dental Assisting)**

**DAST 1010 - Oral Biology I**
(2 Credits)
This is an introductory course in head and neck anatomy and physiology for the dental assistant. Particular attention is devoted to the oral cavity. Topics include the terminology and function of the teeth, occlusion, skull, nerve innervation and blood flow. (Prerequisite: Enrollment in Dental Assisting Program) Lecture: 2 hours

**DAST 1020 - Preventive Dentistry**
(2 Credits)
This course offers students an introduction to the prevention and management of oral diseases. (Prerequisite: Enrollment in Dental Assisting Program) Lecture: 2 hours

**DAST 1030 - Chairside Dental Assisting I**
(4 Credits)
This course introduces students to procedures and practices involved in assisting the dentist. Content includes the preparation, use and care of dental instruments and equipment; patient management; basic microbiology and infection control procedures. (Prerequisite: Enrollment in Dental Assisting Program) Lecture: 3 hours, Lab: 4 hours - Lab Fee: $20

**DAST 1040 - Oral Biology II**
(3 Credits)
This course covers patient evaluation with medical histories, medical emergencies and oral conditions. Students are introduced to the fundamental concepts involving the development of oral tissues. (Prerequisite: DAST 1010) Lecture: 2.5 hours

**DAST 1050 - Chairside Dental Assisting II**
(5 Credits)
This course is a continuation of DAST 1030. Students develop basic skills for assisting the dentist with dental specialties, such as endodontics and oral and maxillofacial surgery. Students are assigned to dental treatment facilities for supervised practice of clinical skills. Includes a one-week intercession. (Prerequisites: BIOL 1020 or 1070) Lecture: 2 hours, Lab: 4 hours, Clinical: 320 hours over 16 weeks - Lab Fee: $20

**DAST 1060 - Dental Office Procedures**
(2 Credits)
This course covers principles and practices of the dental office. Topics include telephone, patient and appointment management; the preparation, use and care of office and treatment records; third party payment; supply and inventory control; use of computers to perform basic dental office procedures; and the legal and ethical standards required of professional dental personnel. Lecture: 2 hours

**DAST 1225 - Dental Materials Lecture**
(1 Credit)
This course introduces students to the materials used in dental practice, including their physical properties and uses and considerations for their selection. (Prerequisite: Enrollment in Dental Assisting Program) Lecture: 1 hour
### DENT (Dental Assisting/Hygiene)

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<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>DENT 1000</td>
<td>Introduction to Dental Health Careers</td>
<td>2 Credits</td>
<td>This course provides an introduction to dental assisting and dental hygiene fields. Students gain an understanding of both professions, how to achieve success in dental assisting and dental hygiene programs and basic dental terminology. This course is a prerequisite for entering the dental hygiene program and optional for the dental assisting program. Lecture: 2 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>DENT 2010</td>
<td>Oral Radiography</td>
<td>4 Credits</td>
<td>This is a foundation course for dental radiographers. Topics include fundamentals of radiation physics, generation and control of the radiation beam, basic radiation biology and methods of population protection, films and film processing, radiographic projection and basic radiographic anatomy and pathology. Supervised laboratory practice includes exposure, evaluation and interpretation of intraoral and panoramic radiographs. (Prerequisite: Enrollment in Dental Assisting or Dental Hygiene Program) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>DENT 2220</td>
<td>Dental Materials Lab for Dental Hygienists</td>
<td>4 Credits</td>
<td>This hybrid course has an online didactic component with hands-on laboratory experience for the dental hygiene student to learn and practice techniques that are performed in dental hygiene practice. (Prerequisite: Acceptance into the Dental Hygiene Program). Lecture: 2 hours, Lab 4 hours - Lab Fee: $20 - Lab Fee: $20</td>
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<tr>
<td>DENT 2225</td>
<td>Dental Materials Lab for Dental Assistants</td>
<td>1 Credit</td>
<td>This lab provides hands-on experience for dental assisting students to develop skills in the preparation and manipulation of materials commonly used in dental practice. (Prerequisite: Enrollment in Dental Assisting Program) Lab: 4 hours - Lab Fee: $20</td>
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### DHYG (Dental Hygiene)

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<tbody>
<tr>
<td>DHYG 1010</td>
<td>Dental and Oral Anatomy</td>
<td>3 Credits</td>
<td>This course is a study of the structure and function of the mouth, teeth, head and neck. (Prerequisite: Acceptance into the Dental Hygiene Program) Lecture: 3 hours. - Lab Fee: $20</td>
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<tr>
<td>DHYG 1020</td>
<td>Dental Hygiene I</td>
<td>3 Credits</td>
<td>This course introduces students to the fundamental skills and procedures in dental hygiene practice. (Prerequisite: Acceptance into the Dental Hygiene Program) Lecture: 3 hours - Dental Hygiene Fee: $100</td>
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<tr>
<td>DHYG 1030</td>
<td>Clinical Dental Hygiene I</td>
<td>2 Credits</td>
<td>This course provides an opportunity for students to apply the principles studied in DHYG 1020 in the pre-clinical setting. Students work with mannequins and laboratory partners. (Prerequisite: Acceptance into the Dental Hygiene Program) Lab: 6 hours - Lab Fee: $20</td>
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<tr>
<td>DHYG 1040</td>
<td>Oral Embryology and Histology</td>
<td>2 Credits</td>
<td>This course involves the study of the development, microscopic structure and function of oral and facial tissues. Lecture: 2 hours</td>
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<tr>
<td>DHYG 1050</td>
<td>Dental Hygiene II</td>
<td>3 Credits</td>
<td>A continuation of the principles of DENT 1020, this course covers the philosophy of prevention, concepts of health and wellness, the dental hygiene treatment plan oral infection control, sealants and fluorides. Emphasis is on communication skills, patient management and development and implementation of educational strategies. (Prerequisites: DHYG 1020, 1030) Lecture: 3 hours</td>
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<tr>
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<tr>
<td>DHYG 1060</td>
<td>Clinical Dental Hygiene II</td>
<td>3</td>
<td>This course continues application of the principles and skills learned in DHYG 1020 and DHYG 1030 as well as new material learned in DHYG 1050 including patient education and management. (Prerequisites: DHYG 1030) Clinic: 8 hours - Lab Fee: $20</td>
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<tr>
<td>DHYG 2010</td>
<td>Pathology</td>
<td>2</td>
<td>This course is an examination of general and oral diseases. Content includes etiologic agents, tissue response to injury, immunopathology, neoplasia, cardiovascular disease, general diseases with oral manifestations and oral pathology. Consideration is given to specific conditions of importance to oral assessment and care. (Prerequisite: BIOL 1020, DHYG 1040) Lecture: 2 hours</td>
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<tr>
<td>DHYG 2020</td>
<td>Dental Hygiene III</td>
<td>3</td>
<td>This course continues to expand on the principles of dental hygiene practice. Topics include service to patients with special needs and nutrition, including nutritional counseling. (Prerequisites: DHYG 1050, 1060) Lecture: 3 hours - Dental Hygiene Fee: $10</td>
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<tr>
<td>DHYG 2030</td>
<td>Clinical Dental Hygiene III</td>
<td>4</td>
<td>This course continues application of the principles and skills practiced in DHYG 1050, 1060 and 2020. (Prerequisites: DHYG 1050 and 1060) Clinic: 12 hours - Lab Fee: $20</td>
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<tr>
<td>DHYG 2040</td>
<td>Community Dental Health I</td>
<td>2</td>
<td>This course introduces students to the principles of dental hygiene practice in the community setting. Content includes financing and delivery of care, cultural diversity, education of groups, program planning and evaluation and management of the evidence base for dental hygiene practice. (Prerequisite: PSYC 2010, DHYG 1060) Lecture: 2 hours</td>
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<tr>
<td>DHYG 2045</td>
<td>Community Dental Health II</td>
<td>1</td>
<td>This course allows students to apply principles of dental hygiene practice through a supervised externship in a community dental health facility. (Prerequisite: DHYG 1010, 2020 and 2030) Clinic: 3 hours - Lab Fee: $10</td>
</tr>
<tr>
<td>DHYG 2050</td>
<td>Periodontics</td>
<td>3</td>
<td>This course involves an intensive study of the periodontium as it relates to dental hygiene practice. Content includes epidemiology and pathogens of periodontal disease, assessment of periodontal status, current therapeutic intervention and strategies for maintenance of the periodontal patient. (Prerequisites: BIOL 1020 and 2210) Lecture: 3 hours</td>
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<tr>
<td>DHYG 2060</td>
<td>Dental Hygiene IV</td>
<td>2</td>
<td>This course continues to expand on principles of dental hygiene practice. Content includes legal and ethical issues, dental specialties and entering the professional work force. (Prerequisite: DHYG 2020, 2030) Lecture: 2 hours</td>
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<tr>
<td>DHYG 2070</td>
<td>Clinical Dental Hygiene IV</td>
<td>5</td>
<td>This course allows students to continue to apply the principles and skills practiced in DHYG 2020, 2030 and 2060. Integration of dental hygiene procedures into a complete dental hygiene service is covered. (Prerequisite: DHYG 2030) Clinic: 15 hours - Lab Fee: $20</td>
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<tr>
<td>DHYG 2090</td>
<td>Pharmacology for the Dental Hygienist</td>
<td>3</td>
<td>This course is a study of the principles of pharmacology as they relate to oral health care. Content includes indications and contraindications for use, pharmacological effects, adverse reactions and interaction of drugs. Special consideration is given to drugs commonly used in dentistry, as well as oral implications of drugs. (Prerequisites: BIOL 1020, DHYG 1020) Lecture: 3 hours</td>
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Community College of Rhode Island
DHYG 2200 - Local Anesthesia for the Registered Dental Hygienist
(2 Credits)
This course is designed to enable practicing dental hygienists to gain the knowledge and skill needed to earn a permit to administer local anesthesia in Rhode Island. Topics include oral anatomy, neurophysiology, the pharmacology and pharmacokinetics of local anesthetic agents, legal issues related to local anesthesia and basic injection techniques. Students will serve as patients for each other. (Prerequisites: Active licensure as a dental hygienist in Rhode Island or another state with substantially similar licensure requirements, current CPR certification at the American Heart Association, Health Care Provider level; Completed hepatitis B vaccination series) Lecture: 2 hours, Lab: 2 hours - Local Anesthesia Course Fee-DH: $750

DHYG 2201 - Administration of Nitrous Oxide for the Registered Dental Hygienist
(1 Credit)
This course is designed to enable licensed dental hygienists to gain the knowledge and the skill indicated to earn a permit to administer nitrous oxide in Rhode Island. Topics will include: History of Nitrous Oxide, review of oral anatomy, the circulatory and respiratory system in pediatrics and adults, review of physiology and psychology of pain and anxiety, pain control modalities, pharmacology of Nitrous oxide and drug interactions, patient assessment and monitoring, preventing and managing complications, description and use of inhalation equipment, sedation and general anesthesia techniques and ethical and legal considerations. Students participating in the class will serve as patients for each other. Pre-requisite Information: Active licensure as a dental hygienist in Rhode Island or another state with substantially similar licensure requirements, current CPR certification at the American Heart Association, Health Care Provider level; Completed Hepatitis B vaccination series. - Lab Fee: $20

DHYG 2202 - Management of Medical Emergencies for the Public Health Dental Hygienist
(1 Credit)
This course prepares Registered Dental Hygienists to meet the educational requirements to manage medical emergencies as a licensed Public Health Dental hygienist. Topics will include: Risk assessment through evaluation of clinical implications for potential emergencies related to specific items on a health history form. Recognition and management based on clinical signs and symptoms for emergency related medical conditions. Implementation of an emergency plan through simulation exercises. (Prerequisites: Registered Dental Hygienist who holds a valid license to practice in the State of Rhode Island or another state with substantially similar licensure requirements, current CPR certification at the American Heart Association, Health Care Provider level; Completed a minimum of three (3) years of full-time or an equivalent of 4500 hours of clinical dental hygiene experience.)

DHYG 2203 - Infection Control for the Public Health Dental Hygienist
(1 Credit)
This course is designed to prepare the Registered Dental Hygienist to meet the educational requirements for infection control in the dental setting alternative public health dental environments such as schools, mobile dental vans and long term care facilities. (Prerequisites: Registered Dental Hygienist who holds a valid license to practice in the State of Rhode Island who has fulfilled a minimum of three (3) years of full-time or an equivalent of 4500 hours of clinical experiences.)

DHYG 2204 - Risk and Practice Management for the Public Health Dental Hygienist
(1 Credit)
This course will prepare Registered Dental Hygienists to meet the educational requirements on risk management as a licensed public health dental hygienist. Topics will include Risk management as a public health dental hygienist, practice management, dental billing and coding, dental equipment vendors, grant writing and resources. A dental externship at a community health center will be required. Guidelines for treating geriatric and pediatric patients will be discussed. Tool kit links through the Rhode Island Department of Health for public health dental hygiene practice will be addressed. (Prerequisites: Registered Dental Hygienist who holds a valid license to practice in the State of Rhode Island or another state with substantially similar licensure requirements, current CPR certification at the American Heart Association, Health Care Provider level; Completed three (3) years of full-time or an equivalent of 4500 hours of clinical dental hygiene experience.)

DMSD (Diagnostic Medical Sonography)

DMSD 2100 - Patient Care in Sonography
(3 Credits)
This course is designed to develop the knowledge and skills necessary to address the needs of the patient in the diagnostic imaging department. The success of the students in the clinical setting requires the ability to conduct themselves in a professional and ethical manner. The safety of the patient requires the student to have knowledge of the patient assessment, basic nursing skills and the ability to react to medical emergencies. Lecture: 3 hours
DMSD 2210 - Sonographic Physics  
(4 Credits)  
This course provides students with theoretical and practical aspects of ultrasound physics and instrumentation. Wave form, propagation, velocity, wave length, acoustic impedance, reflection and rarefaction are discussed. Components of the ultrasound imager are examined as well as recording devices and basic Doppler principles. (Prerequisite: MATH 1200 or MATH 1900 or MATH 1910 or equivalent) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

DMSD 2220 - Sonographic Imaging  
(3 Credits)  
This course provides students with general information that has application in all the ultrasonic imaging concentrations. It addresses standard protocols for patient care, as well as the management of data from other imaging modalities, laboratory findings and patient history. Pertinent legal principles are also covered. An overview of the categories in which disease occurs is included. The biological effects of ultrasound is discussed along with quality control procedures and their importance. Lecture: 3 hours

DMSD 2230 - Abdominal Ultrasound  
(4 Credits)  
This course provides a foundation of physiology, pathology and pathophysiology as it related to the human abdomen specific to the performance of abdominal Sonography. Students begin to recognize normal and abnormal imaging as it relates to anatomy, pathology and pathophysiology of the abdomen. Bioeffects, ALARA principle, pertinent in-vitro and in-vivo studies, exposure display indices, and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include development of entry level scanning techniques and protocols on the human abdomen. Students will demonstrate the ability to perform entry level abdominal sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. (Prerequisites: DMSD 2100) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

DMSD 2235 - Ultrasound for Small Parts, Gynecology and Male Pelvis  
(4 Credits)  
This course provides a foundation of physiology, pathology and pathophysiology as they relate to the male and female pelvis, thyroid, breast and scrotum. The student will begin to recognize normal and abnormal imaging as they relate to anatomy, pathology and pathophysiology of these structures. Scanning techniques and protocols are discussed in normal and abnormal conditions. Bio-effects, ALARA principle, pertinent in-vitro and in-vivo studies, exposure display indices, and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include further development of entry to mid-level scanning techniques and protocol on the human male and female pelvis, thyroid, breast, and scrotum. Students will demonstrate the ability to perform entry to mid-level sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. (Prerequisites: DMSD 2230) Lecture 3 hours, Lab 2 hours - Lab Fee: $20

DMSD 2236 - Musculoskeletal Sonographic Imaging  
(3 Credits)  
This course provides a foundation of anatomy and pathology as they relate to the human musculoskeletal system specific to the performance of sonography. Students will recognize normal and abnormal sonographic imaging related to the shoulder, elbow, hand and wrist, hip, knee, and foot and ankle. Bioeffects, LARA, principles of sonography will be incorporated in the didactic and laboratory classes. Laboratory experience will include development of entry-level sonographic scanning techniques of the musculoskeletal system. Student will demonstrate the ability to perform entry-level musculoskeletal sonographic examinations using real-time sonographic equipment, Doppler, and color Doppler with appropriate transducers. (Prerequisite DMSD 2210 or any Registered Sonographer with ARDMS or CCI. Lecture: 2 hours, Lab: 2 hours).

DMSD 2240 - Obstetrical Ultrasound  
(4 Credits)  
This course will focus on the embryology and fetal development in the first, second and third trimester. Recognition of normal and abnormal anatomy will be addressed in the obstetrical, embryonic and fetal patient. Abnormal patterns of pathology and pathophysiology including genetic malformations are discussed. Scanning techniques, protocols and sonographic findings are discussed in the normal and abnormal conditions. Bio-effects, ALARA principle, pertinent in-vitro and in-vivo studies, exposure display indices, and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include further development of entry to mid-level scanning techniques and protocol on the human female obstetrical, embryonic, and fetal patient. Students will demonstrate the ability to perform entry to midlevel level sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. (Prerequisites: DMSD 2235) Lecture: 3 hours, Lab: 2 hours) - Lab Fee: $20
### DMSD 2241 - General Ultrasound Practicum I 
**(3 Credits)**

Initial clinical scanning experience of the abdomen is covered. This course focuses on clinical application of standard protocols of the abdomen. Normal and abnormal anatomy are emphasized. Students begin to develop the critical thinking skills needed to correlate the examination with clinical history. Students must be competent in aortic and renal examinations at the completion of this class. Clinical education and competency occurs under the supervision of a Registered Sonographer. (Prerequisite: DMSD 2230) Clinical: 32 hours per week

### DMSD 2242 - General Ultrasound Practicum II 
**(3 Credits)**

This practicum involves ongoing assessment of advanced clinical skills of the abdomen incorporating advanced identification of pathology and pathophysiology. Age specific scanning protocol are covered (infant to adult). Basic scanning protocol on male and female pelvis, thyroid, breast and scrotum is covered. Students must be competent on the complete scan of the abdomen at the completion of this class. Clinical education and student competency is under the supervision of a Registered Sonographer. (Prerequisite: DMSD 2241) Clinical: 32 hours per week

### DMSD 2243 - General Ultrasound Practicum III 
**(3 Credits)**

This practicum involves ongoing assessment of advanced clinical skills of the male and female pelvis, thyroid, breast and scrotum incorporating advanced identification of pathology and pathophysiology. Basic obstetrical scanning protocol begins with a focus on normal anatomy of the maternal, embryo and fetus. Students must demonstrate critical thinking and competency in all areas of abdominal ultrasound, male and female pelvis and small parts and basic obstetrical examinations. Students must be competent on the complete scan of the female and male pelvis, small parts and basic obstetrical scanning at the completion of this class. Clinical education and student competency and verification is under the supervision of a Registered Sonographer. (Prerequisite: DMSD 2242) Clinical: 32 hours per week

### DMSD 2245 - Sonographic Anatomy 
**(3 Credits)**

This course provides comprehensive coverage of the abdomen and superficial structures (small parts) and their sonographic appearance. Pertinent gross anatomy, sectional anatomy, physiology, pathology and pathophysiology are examined. Students relate specific anatomy to scanning plane and preferred scanning protocols. Lecture: 3 hours

### DMSD 2250 - Vascular Ultrasound I 
**(4 Credits)**

This course provides students with the basic information specific to the performance of vascular Sonography. Anatomy, pathology and pathophysiology of the vascular system including arterial, cerebrovascular and venous systems are included. Scanning protocols for the upper and lower extremity are addressed. Bioeffects, ALARA principle, pertinent in-vitro and in-vivo studies, exposure display indices, and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include the use of plethysmography and real-time Sonography to evaluate and record the hemodynamics of arterial flow. The recognition of normal anatomy, basic pathology and pathophysiology are addressed. Students will demonstrate the use of plethysmography and real-time Sonography equipment with vascular transducers, Doppler and color Doppler to perform entry level vascular Sonography examinations. (Prerequisites: DMSD 2100) Lecture: 3 hours, Laboratory 2: hours - Lab Fee: $20

### DMSD 2251 - Vascular Ultrasound II 
**(4 Credits)**

This course provides an in-depth of vascular ultrasound including pathophysiology, etiology of disease clinical findings and related symptoms. Age-specific testing is discussed. Related testing for cerebrovascular, upper and lower extremity venous circulation is covered. Scanning techniques and protocols are discussed in normal and abnormal conditions. Bio-effects, ALARA principle, pertinent in-vitro studies, exposure display indices, and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will included further development of entry to mid-level scanning techniques and protocol on the cerebrovascular, upper and lower extremity venous circulation. Students will demonstrate the ability to perform entry to mid-level sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. (Prerequisites: DMSD 2250) Lecture 3 hours, Lab 2 hours - Lab Fee: $20

### DMSD 2252 - Advanced Vascular Ultrasound 
**(4 Credits)**

This course will focus on the application of vascular ultrasound relating to abdominal vasculature and other specialty examinations such as aorta, renal transplant, TIPS procedure, transcranial Doppler, pseudoaneurysm, mapping and the use of ultrasound contrast agents. Interpretation skills on all testing in all disease states will be further developed. Scanning techniques, protocols and sonographic findings are discussed in the normal and abnormal conditions. Bioeffects, ALARA principle, pertinent in-vitro studies, exposure display indices, and maximum safe exposure levels will
be incorporated into the didactic and laboratory classes. Laboratory experience will include advanced scanning techniques and protocol on aorta, renal transplant, TIPS procedure, transcranial Doppler, pseudoaneurysm and fistula. Students will demonstrate the ability to perform advanced level sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. (Prerequisite: DMSD 2251) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

DMSD 2253 - Vascular Practicum I
(3 Credits)
This course provides students with initial clinical scanning experience for upper and lower extremity arterial examinations. Clinical application of standard protocols focuses on recognition of normal plethysmographic tracings, normal ultrasound vascular imaging and Doppler patterns. Students begin to develop the critical thinking skills required to correlate clinical history with exam requirements. Clinical education and clinical competency occurs under the supervision of a registered Vascular Sonographer. (Prerequisite: DMSD 2250) Clinical: 32 hours per week

DMSD 2254 - Vascular Practicum II
(3 Credits)
This course provides students with initial clinical scanning experience for cerebrovascular and venous examinations. Clinical application of standard protocols focuses on normal vascular ultrasound imaging for cerebrovascular and venous examinations. Recognition of normal and abnormal images and Doppler patterns are included. Students use critical thinking skills to integrate clinical history with abnormal findings. Clinical education and clinical competency occurs under the supervision of a registered Vascular Sonographer. (Prerequisite: DMSD 2251) Clinical: 32 hours per week

DMSD 2255 - Vascular Practicum III
(3 Credits)
This course provides students with advanced clinical scanning experience for upper and lower extremity arterial, venous, and cerebrovascular examinations. Final competency evaluation will occur along the opportunity to perform abdominal vasculature and rare specialty examinations. Students use critical thinking skills to integrate clinical history to abnormal findings. Clinical education and clinical competency occurs under the supervision of a registered Vascular Sonographer. (Prerequisite: DMSD 2252) Clinical: 32 hours per week

DMSD 2260 - Echocardiography I
(4 Credits)
This course provides students with a basic information specific to the performance of echocardiography. An overview of basic normal and abnormal anatomy, cardiac measurements, pathology and pathophysiology will be covered. Bioeffects, ALARA principle, pertinent in-vitro and in-vivo studies, exposure display indices, and maximum safe exposure levels will be incorporated into didactic and laboratory classes. Laboratory will utilize sonographic equipment using two dimensional, M-Mode, Doppler and color Doppler for recognition of normal and abnormal anatomy, pathology and pathophysiology with basic scanning techniques, and specific protocols in echocardiography with related findings. Cardiac windows will include parasternal and apical views, recognizing cardiac chambers, valves, walls and other structures. (Prerequisites: DMSD 2100) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

DMSD 2261 - Echocardiography II
(4 Credits)
This course expands on the material presented in Echocardiography I and continues to provide students with the knowledge necessary to capably perform a complete and diagnostic echocardiographic examinations using M-mode, 2-dimensional Doppler and color Doppler modalities. More complex anatomy and abnormal pathology will be addressed. Scanning techniques, specific protocols and echocardiographic findings will be discussed in relation to these more complex abnormalities including PLAX, RVIT, RVOT, PSAX views. The development of the ability to perform examinations in these areas will occur with classroom experience. using real-time equipment with transthoracic transducers and Doppler and color Doppler display modes. Bioeffects, ALARA principle, pertinent in-vitro studies, exposure display indices and maximum safe levels will be incorporated into the didactic and laboratory classes. (Prerequisite: DMSD 2260) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

DMSD 2262 - Advanced Echocardiography
(4 Credits)
This course expands on the material presented in Echocardiography I and II, and continues to provide students with the knowledge necessary to capably perform a complete and diagnostic echocardiographic examination using M-mode, 2-dimensional Doppler and color Doppler modalities. More complex anatomy and abnormal pathology will be addressed including equation for aortic stenosis, mitral stenosis, pericardial effusion, hypertrophic cardiomyopathy, ischemic heart disease. Bioeffects, ALARA principle, pertinent in-vitro studies, exposure display indices and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Scanning techniques, specific protocols and echocardiographic findings will be discussed in relation to these more complex abnormalities. The development of the ability to perform examinations in these areas will occur with classroom experience using real-time equipment with transthoracic transducers and Doppler and color Doppler display modes. (Prerequisite: DMSD 2261) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20
DMSD 2263 - Echocardiography Practicum I  
(3 Credits)  
This practicum involves the observation and initial scanning experience of transthoracic adult cardiac sonographic examinations with emphasis on normal Two-dimensional, M-Mode and Doppler pattern recognition. Students are under the supervision of a Registered Echocardiographer. (Prerequisite: DMSD 2260) Clinical: 32 hours per week

DMSD 2264 - Echocardiography Practicum II  
(3 Credits)  
This practicum involves the clinical performance of transthoracic adult cardiac sonographic examinations with emphasis on normal Two-dimensional, M-Mode and Doppler pattern recognition. Students are under the supervision of a Registered Echocardiographer. (Prerequisite: DMSD 2263) Clinical: 32 hours per week

DMSD 2265 - Echocardiography Practicum III  
(3 Credits)  
This practicum involves the clinical performance of transthoracic adult cardiac sonographic examinations with emphasis on normal Two-dimensional, M-Mode and Doppler pattern recognition. Focus is on performing complete exams on patients with complex disease states. Students are under the supervision of a Registered Echocardiographer. (Prerequisite: DMSD 2264) Clinical: 32 hours per week

DMSD 2500 - Diagnostic Medical Sonography Seminar  
(3 Credits)  
This is an interactive course combining General Abdominal Students, Echocardiography students and Vascular Students. This provides students with an opportunity to discuss their scanning experience and review skills necessary for professional practice. Students prepare a research project on a topic in their area of specialty. This includes patient history, clinical findings, anatomy, pathology, scanning protocols, image interpretation, differential diagnosis and patient care. Students prepare and deliver an oral presentation to the class based on their research using power point or other appropriate methods. (Prerequisite: DMSD 2240 or DMSD 2262 or DMSD 2252) Lecture: 3 hours

ECON (Economics)  

ECON 2030 - Principles of Microeconomics  
(3 Credits)  
(formerly ECON 2020) This course studies economic principles with emphasis on the price system, resource allocation, industrial organization, international trade and comparative economic systems. (Prerequisite: MATH at the 0101 level required, MATH 1200 recommended.) Lecture: 3 hours

ECON 2040 - Principles of Macroeconomics  
(3 Credits)  
(formerly ECON 2010) This course studies the fundamental principles, problems and policies of the American economic system. Major emphasis is placed on the institutions of the economy, supply-demand analysis, national income theory, monetary and fiscal policy and growth analysis. (Prerequisite: MATH at the 0101 level required, MATH 1200 recommended.) Lecture: 3 hours

EMER (Emergency Management)  

EMER 1000 - Fundamentals of Emergency Management  
(3 Credits)  
This course provides information that enables persons entering the profession or expanding their roles to function effectively with a broad array of emergency management issues. The primary purpose is to provide an overview of the characteristics, functions, resources and capabilities of an integrated system and various emergency management services (EMA, fire, police / security, EMS, health care providers, etc.) work together effectively. Emphasis is placed on how this system is applied to all government levels, across the four phases and all functions of emergency management. It includes the role of national, regional and local services in a variety of disasters. This course is intended for a broad audience including personnel in public safety, emergency management, health care facilities, and others having an interest in gaining a working knowledge of preparedness. Lecture: 3 hours
EMER 1010 - Understanding and Responding to Terrorism  
(3 Credits)  
This course provides the students with an understanding of defining terrorism. Students will learn about its origins and the development of using terror to influence public policy decisions. The history and changing nature of terrorist organizations will also be presented. Terrorist groups and structure will be discussed. Individual and community awareness of, preparing and responding to terrorist acts are presented. This course is intended for anyone interested in learning more about terrorism. Lecture: 3 hours

EMER 1020 - Bioterrorism and Public Health Emergencies  
(3 Credits)  
This course will focus on both naturally occurring disease outbreak and bioterrorist events of the past and the implications of these events for the future. Key elements of emergency disaster planning will include surveillance, mass immunization and public information campaigns. This course could be beneficial to any student in the health science programs. Lecture: 3 hours

EMER 1030 - Disaster Response Operations and Management  
(3 Credits)  
This course focuses on the principles that promote effective disaster response operations and management. The nature of disasters, the context of U.S. response operations and the roles and responsibilities of various emergency management related organizations are examined. Myths and realities of human behavior in catastrophic events as well as divergent approaches to disaster response operations (e.g. command and control vs. networking / problem solving) are reviewed. The importance of providing an effective response for the affected population is discussed. This course also examines specific functions relating to flood, hazardous materials and terrorist incidents. Various problems associated with response operations are identified. Incident Command Systems and their interaction with emergency operations center are emphasized. The role of technology and mutual aid agreements are discussed (Prerequisite: EMER 1000) Lecture: 3 hours

EMER 1040 - Managing the Psychological Impact of Terrorism and Disasters  
(3 Credits)  
This course provides a broad overview of the causes, interventions and treatments of psychological trauma in the civilian and emergency response population. The causes looked at include, natural disasters, terrorist attacks and mass casualty or mass fatality incidents. The interventions and treatments are illustrated for the student, for both the short and long-term recovery of the victims of this trauma, using real life incidents. Lecture: 3 hours

EMER 1050 - Disaster Training and Exercise Management  
(3 Credits)  
This course is designed to provide the student with the understanding of the training and exercise requirements of Emergency Management. It will include how training and exercising plays a critical role in preparing a community or company for a disaster. Students will develop an Exercise Program and test part of that program with an actual exercise. The students will then develop an improvement plan from the lessons learned from that exercises. This course is intended for a person who would have an active role in emergency preparedness for an organization. Lecture: 3 hours

EMER 2010 - Disaster Resource Management  
(3 Credits)  
This course is designed to provide the student with an understanding of resource management in the context of emergency management. Coordinating of resources before, during and after a disaster is critical to alleviate pain and suffering of the victims of disaster. This course will provide the student with the skills needed to identify and manage those resources effectively. Students will examine the elements comprising incident logistics and how those elements integrate into the overall incident response and recovery process. Lecture: 3 hours

EMER 2020 - Emergency Planning  
(3 Credits)  
This course is designed to provide the student with an understanding of emergency planning in the world of emergency management. The Emergency Manager is tasked with the responsibility of developing Emergency Plans for the community or organization they represent. These plans may make the difference in saving lives and alleviate pain and suffering from a disaster. This course will provide the student with the skills needed to develop those plans effectively. This course is intended for a student who may become actively involved in emergency planning or work within a plan in the emergency management setting. Lecture: 3 hours
EMER 2030 - Professional Development in Emergency Management  
(3 Credits)  
This course is designed to allow the student in the emergency management program to take the skills that they have acquired in the program and mesh them with the skills they learn in this course; Emergency Communication, Problem Solving, Decision Making and Leadership. This course will prepare the student to enter into the emergency management field or pursue a higher degree. Lecture: 3 hours.

EMER 2500 - Practicum in Emergency Management  
(3 Credits)  
The practicum in Emergency Management provides the student with an opportunity to use the knowledge they have learned in the program and put it into practical use in the field of emergency management. By placing the student at an internship site that works in the various types of disaster preparedness and response, the student will be provided with real life experience. (Prerequisite: EMER 1000, EMER 1030, EMER 2010, EMER 2020 or permission of the instructor) Lecture: 1 hour, Lab: 6 hours

ENGL (English)  

ENGL  
(english)  
Courses by subject area:  
ESL COURSES: ENGL 0305, 0312, 1070, 1080, 1090, 1120, 1130, 1300  
READING: ENGL 0700, 0850, 0890, 0950  
WRITING: ENGL 0250, 0500, 0950, 1005, 1010, 1400, 1410, 1430, 2010, 2015, 2100, 2310  
LITERATURE: ENGL 1020, 1030, 1040, 1050, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1360, 1370, 2020, 2030, 2040, 2050, 2200, 2210, 2230, 2250, 2270, 2310

ENGL 0250 - Compensatory Writing Skills  
(3 Credits)  
This writing course is for students who need to learn and/or review paragraph form and basic sentence skills: parts of speech, punctuation, capitalization and sentence formation. By writing paragraphs, students will demonstrate their ability to plan organize and express ideas effectively and in grammatically correct sentences. (Prerequisite: English Placement Exam) Lecture: 3 hours

ENGL 0305 - Basic ESL Reading  
(3 Credits)  
This course is for students who need to strengthen foundational reading skills in English. Interacting with various text styles, students develop fluency, vocabulary and comprehension strategies. (Prerequisite: Appropriate ESL reading score placement.) Lecture: 3 hours - Lab Fee: $20

ENGL 0312 - English as a Second Language: Reading I  
(3 Credits)  
ENGL 0312 - English as a Second Language: Reading I. This course is designed to improve the vocabulary knowledge and reading comprehension of students speaking English as a second language. The content includes such college reading skills as developing word knowledge, identifying main ideas, locating important details and applying basic study strategies. Prerequisite: Appropriate ESL reading score placement or successful completion of ENGL 0305 AND successful completion of ENGL 1070 or placement into ENGL 1080.

ENGL 0500 - Basics of Composition  
(3 Credits)  
This course provides a comprehensive review of skills required in college-level writing courses including grammar usage, sentence variety, paragraph development, critical reading and thinking, brief essays, and research-paper elements. Prerequisite: ENGL 0250 with grade of C or better, appropriate placement score, or permission of instructor. Lecture: 3 hours

ENGL 0700 - Essential Reading Skills  
(3 Credits)  
This course is for students who need to build a foundation for college reading by mastering the skills that underlie successful reading. Instruction focuses on vocabulary development, word analysis, reading rate and accuracy, as well as literal reading comprehension. (Prerequisite: Appropriate test score or permission of instructor) Lecture: 2 hours; Lab: 1 hour - Lab Fee: $20
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<th>Course Code</th>
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<tr>
<td>ENGL 0850</td>
<td>Basic College Reading</td>
<td>3</td>
<td>This course teaches the reading skills essential for success in college and everyday life. It focuses on the strategies needed for developing vocabulary, as well as strategies for improving comprehension and retention of college textbook material. In addition, a novel is required reading. (Prerequisite: Successful completion of ENGL 0700, appropriate test score or permission of instructor) Lecture: 2 hours; Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>ENGL 0890</td>
<td>Critical Reading for College Success</td>
<td>3</td>
<td>In this course the student develops critical reading and thinking skills that are essential for college and workplace success. Focus is on building an enhanced vocabulary, as well as examining author's purpose and point of view, drawing inferences and applying advanced comprehension strategies. In addition, a work of nonfiction is required reading. (Prerequisite: Successful completion of ENGL 0850, appropriate test score or permission of instructor.) Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20</td>
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<tr>
<td>ENGL 0950</td>
<td>Integrated Critical Reading and Writing</td>
<td>6</td>
<td>This course teaches the reading and writing skills essential for success in college, career, and everyday life and develops proficiency in integrated and contextualized reading and writing skills and strategies. It focuses on critical thinking, improving reading and writing comprehension by developing vocabulary and written communication skills. Topics include critical reading and writing, grammar usage, vocabulary development, paragraph and essay development, and research paper elements. In addition, a novel is required reading. (Prerequisite: Accuplacer Next Generation test score placement into 0890 or Accuplacer Next Generation test score of 227-233 for those testing into English 0850 AND Accuplacer Next Generation test score placement into English 0500.) Lecture: 4 hours; Lab: 2 hours</td>
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<tr>
<td>ENGL 1005</td>
<td>College Writing</td>
<td>3</td>
<td>This course focuses on the writing process: planning, organizing, developing, drafting, and revising. Course activities begin with paragraphs and progress to essays and include research documentation assignments. (Prerequisite: English placement exam, or completion of ENGL 0500 with a C or higher, or permission of instructor) Lecture: 3 hours. Completes the following requirement(s): humanities requirement (HUMN)</td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
<td>Note: Composition I is recommended for all first-year students and required for many, depending on curriculum. The purpose of this course is to enable students to write fluent, accurate and effective essays, including research and documentation assignments. (Prerequisite: English placement exam or at least a C in ENGL 1005.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 1020</td>
<td>19th Century American Literature</td>
<td>3</td>
<td>This survey course examines American literature of the 19th century, including consideration of its cultural and historical contexts. (Meets Literature elective and English concentration requirements.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 1030</td>
<td>British Literature I</td>
<td>3</td>
<td>This survey course in British literature from the early Anglo-Saxon period to the eighteenth century examines selected works in various genres in light of their historical and cultural contexts. (Meets Literature elective and English concentration requirements.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 1040</td>
<td>World Literature to 16th Century</td>
<td>3</td>
<td>This course examines literature in translation of the Ancient World, Middle Ages, and Renaissance as a basis for understanding literature as an art and a reflection of its times, the humanities, and the modern world. (Meets Literature elective and English concentration requirements.) Lecture: 3 hours</td>
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</table>
| ENGL 1070  | English as a Second Language I                 | 6       | This course is the first in the sequence of academic English-as-a-Second Language offerings at the college. It is designed for students who are pursuing academic studies at the college level. Prior knowledge of the English language is necessary. Grammar and sentence building in English are studied with sequential emphasis placed on listening, speaking, reading and writing. Outcomes of this course include ability to form several complete
sentences regarding one topic. Students who have successfully completed this course will then take ENGL 1080. (Prerequisite: Recommendation following ESL placement testing) Lecture: 6 hours

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<th>Prerequisites</th>
<th>Lecture: 6 hours</th>
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<tr>
<td>ENGL 1080</td>
<td>English as a Second Language II</td>
<td>6</td>
<td>This course is a continuation of ENGL 1070 and is also designed for students pursuing academic studies at the college level. Listening and speaking continue to be areas of second language practice, with more emphasis on reading and writing skills. As an outcome, students will be able to form a coherent paragraph of eight to ten sentences. Students who have successfully completed this course will then take ENGL 1090. (Prerequisite: Successful completion of ENGL 1070 or recommendation following ESL placement testing)</td>
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<tr>
<td>ENGL 1090</td>
<td>Paragraph Writing in English as a Second Language</td>
<td>6</td>
<td>This course is designed to increase the writing performance of students of English as a Second Language. It will emphasize the writing process and advanced grammar as students progress from generating acceptable sentences to combining sentences to form paragraphs. In addition, students will be able to form a multiple-paragraph essay as an outcome of the course. Students who have successfully completed this course will then take ENGL 1300. (Prerequisite: Successful completion of ENGL 1080 or recommendation following ESL placement testing)</td>
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<tr>
<td>ENGL 1100</td>
<td>Speech and Articulation for Speakers of English as a Second Language</td>
<td>3</td>
<td>This course emphasizes correct pronunciation of the English language, particularly through practice of the International Phonetic Alphabet. In addition, course content includes syllable stress and intonation. Perhaps equally important, ESL students will refine their listening skills in rapid American English speech. (Prerequisite: Successful completion of ENGL 1070 or placement into ENGL 1080).</td>
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<td>Lecture: 3 hours</td>
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<tr>
<td>ENGL 1101</td>
<td>English as a Second Language: College Speaking &amp; Listening</td>
<td>3</td>
<td>This English for Academic Purposes class is designed to begin to prepare students who are not native speakers of English for academic success in U.S. college programs. It focuses specifically on speaking and listening skills for college study. Topics reflect those in typical introductory college courses. Prerequisite: Successful completion of ENGL 1080 or placement into ENGL 1090.</td>
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<td>ENGL 1120</td>
<td>Introduction to Literature</td>
<td>3</td>
<td>This course examines a variety of literary genres (fiction, nonfiction, poetry and drama) as expressions of the human desire to communicate philosophy, experience, and attitudes. Examples found in diverse literary cultures from ancient times to the present are the basis for reading, analyzing, and evaluating these forms of verbal expression. (Meets Literature elective and English concentration requirements)</td>
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<td>ENGL 1121</td>
<td>Introduction to Film</td>
<td>3</td>
<td>This course provides an introduction to the tools of film analysis by examining how narrative, mise-en-scène, cinematography, editing, and sound create meaning in film. Film is also examined for its social, cultural, and ideological significance. Introduction to Film provides students with the background for further film studies. (Meets literature and English concentration requirements; Prerequisite: None is required, though a general introductory literature course, such as Introduction to Literature [ENGL 1200] or World Literature [ENGL 1040 and ENGL 2040] is recommended.)</td>
<td>Lab Fee: $20</td>
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<tr>
<td>ENGL 1122</td>
<td>Introduction to Poetry</td>
<td>3</td>
<td>The purpose of this course is to deepen the students' engagement with the metaphorical nature of language through understanding and enjoyment of poetry. The selection of poems focuses on what poetry means and does, what needs and desires poetry fulfills in its writers and readers, and the cultural contexts and conditioning that define poetry and place value on its existence. (Meets Literature and English Concentration requirement.)</td>
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<tr>
<td>ENGL 1123</td>
<td>Modern Literature</td>
<td>3</td>
<td>This one-semester survey course considers significant literature of the world from the turn of the twentieth century to the present. It examines many literary movements, including Modernism and Postmodernism, with emphasis on broadness of understanding and ability to interpret and evaluate texts. (Meets Literature elective and English Concentration requirements)</td>
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<td>ENGL 1240</td>
<td>Readings in the Novel</td>
<td>3</td>
<td>Several novels, significant in the time of their appearance as well as in retrospect, are read to develop a student’s understanding of their place in the genre, not only as the diverse expressions of their authors and mirrors of their particular historical contexts but as social, cultural, and political forces. (Meets Literature and English Concentration requirements.) Lecture: 3 hours</td>
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<td>ENGL 1250</td>
<td>Readings in the Short Story</td>
<td>3</td>
<td>This course considers the development and themes of the short story. Significant examples from diverse cultures and historical eras are analyzed and discussed. (Meets Literature elective and English Concentration requirements.) Lecture: 3 hours</td>
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<td>ENGL 1260</td>
<td>Readings in Shakespeare</td>
<td>3</td>
<td>A number of major plays and sonnets by Shakespeare are analyzed in order to develop students' understanding of the works' dramatic, cultural and historical content, as well as various critical viewpoints. The plays are selected from the comedies, tragedies, and histories. (Meets Literature and English concentration requirement.) Lecture: 3 hours</td>
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<td>ENGL 1270</td>
<td>Contemporary Drama</td>
<td>3</td>
<td>This course includes plays from Ibsen to the present. Emphasis is on changing approaches to theater as well as the social, cultural and philosophical implications in the representative plays. (Meets Literature and English concentration requirements.) Lecture: 3 hours</td>
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<td>ENGL 1280</td>
<td>Dramatic Literature</td>
<td>3</td>
<td>This is a course in which historic and dramatic trends are viewed, including literary forms, the most important playwrights and socio-political effects on the dramatic literature of differing periods. (Meets Literature and English concentration requirements.) Lecture: 3 hours</td>
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<td>ENGL 1290</td>
<td>African American Literature</td>
<td>3</td>
<td>This course traces the development and impact of African American writers from the era of slavery to the present by examining the unique experiences and challenges presented in their works. Representative poetry, fiction, nonfiction and drama of major writers are studied for their literary, sociological and historical significance. (Meets Literature and English Concentration requirements) Lecture: 3 hours</td>
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<td>ENGL 1300</td>
<td>Composition I for Speakers of English as a Second Language</td>
<td>6</td>
<td>Students perfect their academic writing skills through a sequence of essay assignments, including a research project, with emphasis on rhetorical and grammatical issues particular to ESL. Students completing this course may take ENGL 1005 or 1010 as a follow-up course for elective credit as recommended by the instructor. (Prerequisite: ENGL 1090 or recommendation following ESL placement testing.) Lecture: 6 hours</td>
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<tr>
<td>ENGL 1360</td>
<td>Science Fiction</td>
<td>3</td>
<td>This course involves reading and analyzing various science fiction novels, short stories and occasionally films produced since the late 19th century. Emphasis is placed on understanding the influence science and technology have had on modern life and how that influence has been shown in literature. (Meets Literature and English concentration requirements.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 1370</td>
<td>Literature of Imagination and Fantasy</td>
<td>3</td>
<td>This course examines fantasy as an enduring and ongoing part of humanity's literary heritage as seen through such examples as myth, fairy tale, gothic horror, and magical realism. As a literary form, fantasy not only broadens the reader's understanding of what literature is and what it does, but it explores the fundamentals of literature to suggest unusual and innovative ways of looking at the world. (Meets Literature and English concentration requirements.) Lecture: 3 hours</td>
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ENGL 1400 - Business Writing for Office Professionals  
(3 Credits)  
Note: This course is for Administrative Office Technology program students ONLY. This one-semester course includes a concentrated review of grammar and punctuation; correspondence (letters and memos); philosophy, psychology and standards in business communication; and brief exposure to informal and formal reports. Lecture: 3 hours

ENGL 1410 - Business Writing  
(3 Credits)  
This one-semester course includes philosophy, psychology, and standards in business communication; written and digital correspondence (letters, memos, and e-mails); and informal and formal report writing. Basic knowledge of Microsoft Word is strongly recommended. Meets general education requirements. Prerequisite: None, although ENGL 1005 and ENGL 1010 is strongly recommended.)

ENGL 1430 - Creative Writing  
(3 Credits)  
This course is an introduction to the craft of writing in its various forms including the personal essay, fiction, poetry and drama. Students produce work in these genres and develop critical objectivity through analysis of their creations as well as those of their classmates and published writers. (Meets English concentration requirement.) (Prerequisite: ENGL 1010. However, ENGL 2010 or ENGL 2015 is also recommended) Lecture: 3 hours

ENGL 2010 - Composition II  
(3 Credits)  
This course is an extension of Composition I (ENGL 1010). While in Composition I the emphasis is upon short expository pieces, students of Composition II concentrate on development of the central idea in writing essays and, wherever appropriate, in descriptive and narrative prose. Course work includes writing at least one paper based on reading and research. Literature of an appropriate type is read and analyzed in terms of rhetorical statement, structure and device. (Meets English concentration requirements.) (Prerequisite: ENGL 1010 with a grade of C or better or a comparable basic level college course in rhetoric.) Lecture: 3 hours

ENGL 2015 - Advanced Writing for the Liberal Arts  
(3 Credits)  
Continuing Composition I (ENGL 1010) for students of liberal arts, this course is concerned with writing about ideas generated by books and articles. The aim of Composition II for Liberal Arts is to produce fully developed essays based on reading and research such as would be assigned in liberal arts courses in any college. A research paper or a series of short source papers, some on the same subject, is the major requirement of the course. (Prerequisite: ENGL 1010 with a grade of C or better or a comparable basic level college course in rhetoric.) Lecture: 3 hours

ENGL 2020 - 20th-Century American Literature  
(3 Credits)  
This survey course examines American literature of the twentieth century, including consideration of its cultural and historical contexts. (Meets Literature elective and English Concentration requirements.) Lecture: 3 hours

ENGL 2030 - British Literature II  
(3 Credits)  
This survey course in British literature from William Blake to the present examines selected works in various genres as representative of their historical and cultural contexts. (Meets Literature elective and English Concentration requirements.) Lecture: 3 hours

ENGL 2040 - World Literature from 16th Century  
(3 Credits)  
This course examines literature of the world in translation from the Enlightenment to the present in order to understand literature as a reflection and expression of its times, the humanities, and the modern world. (Meets Literature elective and English Concentration requirements.) Lecture: 3 hours

ENGL 2050 - Introduction to Literary Theory and Criticism  
(3 Credits)  
Although open to all, this course is particularly designed for English concentration students to deepen skills in critical thinking and writing about all genres of literature. Focus is placed on close textual reading, using appropriate literary terminology and applying various methodologies to analyze literature. In addition to class discussion and collaborative activities, students will engage in literary research and MLA style documentation. (Meets Literature and English concentration requirements.) (Prerequisites: ENGL 1010 and any 1000-level literature course.) Lecture: 3 hours
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<tr>
<th>Course Code</th>
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<th>Prerequisites/Notes</th>
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<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td>3</td>
<td>This course focuses on producing concise, clear, credible and objective reports, letters, memoranda and related workplace writing, including appropriately documented research. The course promotes writing that demonstrates an awareness of the reader. Basic knowledge of Microsoft Word is strongly recommended. (Prerequisite: Placement in ENGL 1010 or completion of ENGL 1005 with a grade of C or better.) Lecture: 3 hours</td>
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<td>ENGL 2200</td>
<td>Children's Literature</td>
<td>3</td>
<td>This one-semester course introduces the student to the range of children's literature from early folklore to current selections. Students read widely to develop discrimination in the selection of books for children of pre-kindergarten through eighth grade school levels, as well as develop the ability to interpret criteria and evaluate the different genres of literature suited for children. (Meets Literature and English concentration requirements.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 2210</td>
<td>Special Topics in Film</td>
<td>3</td>
<td>This course is meant to enable students who have achieved the basic understandings of film study and interpretation in Film as Literature I to continue their examination of the medium. They will pay special attention to various film genres, to the work of particular directors and to aspects of film theory. (Prerequisite: ENGL 1210 or permission of instructor, Lecture: 3 hours)</td>
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<tr>
<td>ENGL 2230</td>
<td>Contemporary Literature</td>
<td>3</td>
<td>This course examines significant works of the last decade chosen from a rich variety of authors, topics, and cultures. Selected genres may include, but are not limited to, poetry, fiction, nonfiction, film, and literature of the performing arts. (Meets Literature and English Concentration requirements.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 2250</td>
<td>Adolescent Literature</td>
<td>3</td>
<td>Students read widely from a variety of literary genres and texts that are aimed at an adolescent audience. Focus is on methods for interpreting and evaluating adolescent literature. (Meets literature and English Concentration Requirements.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 2270</td>
<td>Multicultural American Literature</td>
<td>3</td>
<td>This course examines issues of race, ethnicity, and cultural identity in literature by writers of diverse backgrounds, including—but not limited to—African American, Asian American, Hispanic American, and Native American. Representative pieces of multicultural poetry, fiction, nonfiction, and drama are studied for their literary, sociological, and historical significance. (Meets literature and English concentration requirements.) Lecture: 3 hours</td>
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<tr>
<td>ENGL 2310</td>
<td>Introduction to Screenwriting</td>
<td>3</td>
<td>This course introduces students to techniques that the screenwriter uses to develop characters, construct scenes, structure plot, and follow screenplay format. Students will analyze films and screenplays, write original scenes, and work on an original screenplay. Lecture: 3 hours</td>
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<tr>
<td>ENGR (Engineering (ENGR))</td>
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<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering &amp; Technology</td>
<td>3</td>
<td>This course introduces students to various tools and problem solving skills common to most fields of engineering and technology. The course will emphasize developing both individual critical thinking, and collaborative problem solving skills, essential in today's world of technology. Students will learn the basics of the engineering design process of product design, testing and evaluation. As teams, students will apply this process to complete a semester-long project that will involve practical problem solving, computer simulation and physical product fabrication. To assist in the project analysis, documentation and presentation, students will develop skills with spreadsheets, word processing and presentation software. (Prerequisite: MATH 0100 or higher or permission of instructor) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20</td>
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</tr>
</tbody>
</table>
ENGR 1030 - Engineering Graphics  
(3 Credits)  
This course studies the theory of orthographic projection and the principles of descriptive geometry. Students construct exact drawings of three-dimensional objects including auxiliary views, cross-sections, dimensioning, pictorial drawings and free-hand sketching. Lecture: 2 hours, Lab: 3 hours

ENGR 2050 - Engineering Mechanics Statics  
(3 Credits)  
This is a basic course built around solutions and applications of Newton's laws of forces in equilibrium. Systems of particles and rigid bodies are studied using standard scalar and vector methods. (Prerequisite: MATH 2141 or equivalent) Lecture: 4 hours

ENGR 2060 - Engineering Mechanics Dynamics  
(3 Credits)  
This course covers the application of Newton's law of motion, to include kinematic and kinetic studies of the motion of systems of particles and rigid bodies, acted upon by unbalanced forces. (Prerequisites: ENGR 2050 and MATH 2142) Lecture: 4 hours

ENGR 2150 - Introduction to Electrical Engineering  
(3 Credits)  
This basic course in electrical engineering includes a study of static, electric and magnetic fields, Coulomb's laws, capacitance and inductance, Gauss' Law, Ampere's Law, electrical current and voltage. (Prerequisites: MATH 2141 and PHYS 1100 or equivalent) Lecture: 3 hours

ENGR 2151 - Introduction to Electrical Engineering Lab  
(1 Credit)  
Laboratory exercises reinforce the theory learned in the Introduction to Electrical Engineering course. Use of various electronic instruments to make measurements is an important part of the lab. (Prerequisite or Corequisite: ENGR 2150) Lab: 3 hours

ENGR 2160 - Introduction to Engineering Analysis  
(2 Credits)  
This course introduces students to analytical methods employed in engineering problem solving using computer software. (Prerequisite: MATH 2141) Lecture: 1 hour, Lab: 2 hours

ENGR 2320 - Digital Electronics  
(4 Credits)  
This course studies logical building blocks and functional building blocks such as OR gates, AND gates, inventors, XOR gates, registers, counters, adders, D/A converters, A/D converters, decoders, encoders and binary multiplexers. Number systems and codes, arithmetic processes and memory devices are also covered. Input, output, memory, control and arithmetic functional units are developed using functional building-blocks. Note: Engineering students should consult department chair or academic advisor before enrolling. (Prerequisite or corequisite: MATH 2141) Lecture: 3 hours, Lab: 3 hours

ENGR 2520 - Microprocessor & Microcomputers  
(4 Credits)  
This hands-on course familiarizes students with computer and microprocessor software and hardware. Computer architecture and interfacing with input and output devices is studied. Students develop an understanding of how the computer is used to control electronic and mechanical devices. (Prerequisite or corequisite: MATH 2141) Lecture: 3 hours, Lab: 3 hours

ENGR 2540 - Mechanics of Materials for Engineering  
(3 Credits)  
This is a basic study of the theory of stresses and strains in beams, columns and thin-walled cylinders including combined bending and direct stresses. (Prerequisite: ENGR 2050) Lecture: 3 hours

ENGR 2620 - Linear Electrical Systems and Circuit Theory for Engineers  
(3 Credits)  
This course offers a study of electrical linear circuit theorems, Kirchhoff's Laws, DC resistive networks, dependent sources, natural and forced response of first and second order circuits, sinusoidal steady-state response and AC power. (Recommended: Calculus background; Prerequisite: ENGR 2150; Prerequisite or Corequisite: MATH 2362) Lecture: 4 hours
ENGR 2621 - Linear Circuits Lab  
(2 Credits)  
Topics covered in this lab include: DC measurements, natural and step response of first and second order circuits, AC measurements, impulse and frequency response and operational amplifiers. (Prerequisite or Corequisite: ENGR 2620) Lecture: 1 hour, Lab: 3 hours - Lab Fee: $20

ENGT (Engineering Technology (ENGT))

ENGT 1060 - AutoCAD (Basic)  
(2 Credits)  
This course develops the fundamental skills in drawing, presenting and interpreting ideas, shapes, and concepts using the graphic language of AutoCAD. This course provides practice in the use of Computer Aided Drafting, a technology that has impacted the way many products are designed and produced. Students will explore all the necessary commands needed to produce orthographic drawings and construction type drawings using micro-computers. Lecture: 1 hour, Lab: 2 hours - Lab Fee: $10

ENGT 1090 - Solid Modeling (Solid Works)  
(2 Credits)  
This course teaches students the fundamentals of "solid works" and the technique of three-dimensional design. Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20

ENGT 2090 - Advanced Solid Modeling  
(3 Credits)  
Advanced Solid Modeling will enable the student to work with advanced designs and assemblies. This will include mold design, sheet metal design, weldments, and industry specific design tools. The students will learn to use COSMOSWorks to study deflections and load stress on their designs. Other applications would include rendering in PhotoWorks and animation techniques. (Prerequisite: ENGR 1030) Lecture: 2 hours, Lab: 2 hours

ETCN (Engineering Tech.-CNC)

ETCN 1000 - Mechanical Industrial Design  
(3 Credits)  
This course is designed to familiarize the student with components used in mechanical systems. The student will learn how to select components based on system requirements and how to implement the component into the system. Attention is given to currently manufactured components and the use of the manufacturers sizing and mounting procedures. More specifically the sizing and fitting of these elements based on function, power requirements, life and cost. (Prerequisite: ENGR-1030 AND Prerequisite or corequisite: ETCN-1100) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

ETCN 1100 - Blueprint Reading and the Machinery's Handbook  
(3 Credits)  
Detailed manufacturing part prints are the graphical representation of what the finished product should look like and the specifications required to make it. The Machinery’s Handbook is the encyclopedia used in the manufacturing environment; a storehouse of practical information used to assist not only CNC machinists, but also quality control personnel, tool or mold makers, machine designers and mechanical engineers to solve a list of manufacturing problems. This course uses these two resources to teach students how to interpret the language of blueprints and find the required information regarding machining processes such as speeds, feeds, cutting tool specifications and limits. The focus is on problem-solving skills and strategies. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

ETCN 1200 - Precision Measurement and Geometric Dimensioning and Tolerance  
(3 Credits)  
This course is designed to develop the student's ability to interpret Geometric Dimensioning and Tolerancing (GD&T) language and accurately and precisely measure manufactured parts and assemblies using micrometers, digital calipers and dial indicators. Language and systems of measurement and GD&T are studied and discussed. Basic handheld comparison tools, precision gages, scaled and precision measuring tools are used to accurately measure parts for both size and geometric form. Students also learn about sine bar use and setup, gage blocks care, surface plate preparation and part fixturing. The feature control frame the geometric symbols in the application of the tolerances are also studied. (Prerequisite or corequisite: ETCN 1100.) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20
ETCN 1300 - CNC Machining I  
(3 Credits)
This course introduces students to CNC programming using flow charts and process operations planning. Fundamental word address (G and M code) industrial standards, practices and terms used in industry are covered. Machine tool axis motion, methods of work piece setup cutting tool, selection cutting tool compensation and canned cycles are reviewed. Students produce manually written part programs for three axis-milling machines and router, and two axis lathes. Review of blueprints, Geometric Dimensioning and Tolerancing (GD&T) terminology, and right angle trigonometry are covered. Students will set-up and operate CNC milling machines and lathes to make assigned parts. (Prerequisite: ENGR 1030; ETCN 1100; ETME 1020) Lecture: 1 hour, Lab: 4 hours - Lab Fee: $20

ETCN 2000 - Advanced Machining Skills  
(3 Credits)
This course is designed to expose the manufacturing technology certificate and degree students to many different computer-controlled machining processes: machine tool set up, methods, and machining operations. This course will introduce additional machining processes and enhance the technical skills and theories learned in all the other manufacturing certificate courses. The students will acquire the fundamental knowledge and the technical skills needed to become technically proficient. Machining processes include electrical discharge machining, plasma cutting and computer-controlled welding. (Prerequisites: ENGR 1030; ETME 1020; ETCN 1100, 1200, 1300, 2100 and 2200) Lecture: 2 hours, Lab: 3 hours - Lab Fee: $20

ETCN 2100 - Computer Aided Manufacturing  
(3 Credits)
In this seven-and-a-half week course, students study the essentials of a computer-aided manufacturing system (CAM). This course uses MasterCam, which is an industrial software application, used to draw and create a tool path for CNC machining applications such as milling and turning. Students use CAM software in conjunction with computer-aided drawing files (CAD) to create machined features from a piece of stock material. Topics include using MasterCam to select the correct CNC machine tool, draw solid models, organize and optimize machining operations and time. Lecture: 1 hour, Lab: 4 hours - Lab Fee: $20

ETCN 2200 - CNC Machining II  
(3 Credits)
This course is a continuation of the CNC Machining I and Computer-Aided Manufacturing courses. In this course, students will use MasterCam to create toolpaths and code for 3 and 4 axis CNC milling machines and 2 axis CNC lathes. ISO codes will also be written for the 5 axis wire EDM using MasterCam as well as imported files from SolidWorks and AutoCAD. Additionally, students will set up and machine assigned parts on 3 and 4 axis CNC mills, 2 axis CNC lathes and the 5 axis wire EDM. (Prerequisites: ETCN 1300 and 2100) Lecture: 1 hour, Lab: 4 hours - Lab Fee: $20

ETCN 2250 - Lean Manufacturing  
(2 Credits)
This course is designed to examine Lean Manufacturing and its strategies, using case studies and specified designed Lean labs. Lean tools such as Kaizen events and Value Stream Mapping (VSM) are the ideal tools to achieve breakthrough results. This course will focus on preparatory steps that must be taken to ensure achievable, measurable goals and team success. Students will learn how to identify and eliminate non-value-added steps, and will learn how performing small incremental steps will improve the company’s quality, productivity, and most importantly the bottom line. The class will focus on how to sustain the results attained during Kaizen events over the long-term. The value of the 5s Systems, Set-Reduction and Total Productive Maintenance will be studied. (Prerequisite: ETME 1020) Lecture: 1 hour, Lab: 2 hours

ETCN 2300 - 3D-Modeling and Prototyping  
(3 Credits)
This course will study the types of Additive Fabrication (AS) or Additive Freeform Fabrication, as it is called in the industry. Topics include the history of Additive Manufacturing, the types of new generation machines used for A.M., and the types of materials, binders, and substrates used with this technology. Other topics include the size constraints, design constraints, and advantages and applications of this technology. The student will use SolidWorks and MasterCam as the manufacturing software to design and produce parts in the manufacturing lab using the Dimension SST 1200es CNC machine tool. (Prerequisites: ENGR 1030; ENGT 2090; ETCN 1300) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

ETCN 2350 - Automated Machining Technology  
(3 Credits)
Key skills are needed for the growing 21st century advanced manufacturing workplace: wire EDM machining, 4 Axis milling, metal selection and heat treatment, plasma-torch technology, and robot integration. This course emphasizes set-up and safety in the work environment. This course will expand upon skills learned in CNC Machining I (ETCN 1300), Computer-Aided Manufacturing (MasterCam) (ETCN 2100), and Engineering Graphics (ENGR 1030). Students will use blueprint reading skills, machine processes skills and information from Machinery’s Handbook to properly
set up and operate advanced-level machines with confidence. (Prerequisite: ENGR 1030; ETME 1020; ETCN 1300.) Lecture: 1 hours, Lab: 3 hours - Lab Fee: $20

ETCN 2360 - Manufacturing Quality Control
(3 Credits)
This course will give an elementary approach to the statistical techniques used in the quality control of manufactured parts. Topics covered include an introduction to quality concepts and statistical process control (SPC); variation and statistics; the organization of data; variables control charts; metrology; probability and the normal distribution; attribute (go/no go) charts; control chart interpretation, and gage capability. This course will also include a lab component using software along with actual machined parts to develop the proper control charts and perform other quality control functions. Lecture: 2 hours, Lab: 2 hours

ETCN 2400 - Industry and OSHA-10 Seminars
(1 Credit)
Working safely and a safe working environment are the highest priorities. Students will gain an understanding of OSHA and important details concerning a safe workplace, and will earn the OSHA 10-hour card. The OSHA 10-hour card shows employers the student has had a good introduction to the safety concerns foremost in today’s general industry workplace. This course will also provide networking opportunities with advanced manufacturing companies using the skills learned and developed in the certificate and A.S. degree programs. Industry leaders visit students in the classroom, describing the growing advanced manufacturing market, and how their skills can be integrated. Lab: 2 hours - Lab Fee: $10

ETCN 2500 - Computer Numerical Control (CNC) Practicum/Capstone
(4 Credits)
This course gives students an opportunity to apply knowledge and skills learned in the CNC certificate program in an industrial setting. Students spend 140 hours in a manufacturing environment setting up and operating CNC machine tools under the guidance of full-time employees. This class also has a two-hour meeting requirement which is used to develop a portfolio outlining the types of working experiences acquired in the practicum. Students keep a working journal during the semester which will be used to assist in building their portfolio to chronicle their experience in order to address any problems or concerns that may arise. The Engineering Department provides assistance in matching students in practicum settings. (Prerequisite: Completion of ETCI - Introduction to CNC Manufacturing Certificate; ETEE 1800 or ETCN 2100 and ETCN 2200; ETCN 2300) Lecture: 2 hours, Practicum: 140 hours - Lab Fee: $20

ETEE (Engin. Tech.-Electrical (ETEE))

ETEE 1050 - Introduction to Electromechanical Systems
(3 Credits)
The course will introduce the student to the nature of electricity and magnetism, and applications of practical electrical and electromechanical devices and systems. Students will study electrical laws in basic DC and AC circuits, and the behavior of passive and active circuits and components. Students will also be introduced to basic electromechanical components such as relays, switches, motors and generators. The course will emphasize a systems approach to utilizing and testing electromagnetic technology. Both hands-on labs and software simulation will be used to develop an understanding of combining components to form complex systems and the techniques to evaluate the performance of electromechanical systems. (Prerequisite: MATH 0100) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

ETEE 1100 - Engineering Applications of Computers (Formerly ENGT 1100)
(3 Credits)
Students will be introduced to microprocessor and microcontroller architectures. Machine, assembly, and high-level languages will be examined. A combination of assembly and a high-level language will be applied to solving problems using a popular microcontroller development environment and target hardware system. Data and graphic information types and formats will be described and used in programs. Acquiring data from internal and external sources, communicating across networks, and directing output to displays and other external interfaces will also be explored. Student lab activities include developing and debugging programs used to control electromechanical devices, measuring operating parameters, collecting data, and displaying information. (Prerequisites: MATH 1179; ETEE 1800) Lecture: 2 hours, Lab: 2 hours.

ETEE 1120 - Electronic Devices & Circuits (Formerly ETEK 1120)
(3 Credits)
This course is a study of the basic laws of electronic circuit theory applied to electronic devices with emphasis on solid state devices, including the theory and operation of semi-conductor diodes and transistors. Operational amplifiers, oscillators, active filters and switching circuits are emphasized and analyzed in laboratory experiments. Analysis techniques include the use of Bode plots and computerized experiments using circuit simulation software in addition to bench work wiring up circuits that are analyzed and then tested. (Prerequisite: ETEE 1500) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20
ETEE 1500 - Electrical Systems I (Formerly ETEK 1060)
(3 Credits)
This course covers AC and DC circuits. Analysis techniques are taught and implemented in laboratory experiments using physical components, instruments, and computer analysis. Power transformers and single phase/three phase power distribution is introduced. (Prerequisite: ETEE 1050)
Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

ETEE 1800 - Introduction to Digital Systems
(3 Credits)
The student will learn about digital logic as implemented with hardware, ROM logic/look up tables, and programmable devices. The basic format and architecture will be introduced with an analysis of several representative products including specifications. Basic programming techniques using Hardware Description Languages will be introduced to allow a student to create simple circuits for evaluation. Instruction sets, programming languages and basic programming techniques will be reviewed. Parallel buses, common parallel buses, serial interfaces and Ethernet interfaces will be covered. The data conversion process covering sampling theory and analog-to-digital methods will be examined. Instrumentation will include the use of oscilloscopes, logic analyzers, and pulse generators. The course will also include a brief introduction to programming languages such as assembly, Visual BASIC and C. (Prerequisite: MATH 0100 with a grade of "C" or better)
Lecture: 2 hours, Lab: 2 hours

ETEE 2390 - Electrical Power Systems (Formerly ETEK 2390)
(3 Credits)
Three phase delta/wye and single phase power circuits are analyzed. Measurement with instrument transformers and two/three wattmeters are emphasized and used in laboratory experiments. AC and DC motors and generators, stepper motors and universal motors are studied, with related laboratory experiments. Emphasis is on operation, measurement of characteristics and control. Transformers, circuit breakers, relays and programmable control devices are covered, and also the basics of power transmission lines. Technology associated with smart-grid systems will be introduced. (Prerequisite: ETEE 1500)
Spring only. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

ETEE 2500 - Electrical Systems II (Formerly ETEK 2370-Technical Capstone Project)
(3 Credits)
Switching devices including SCRs, TRIACS, DIACS, UJT, and their application in power and motor control circuits are covered in this course. The application of transducers as sensors in industrial control systems is also covered. Use of programmable controllers in industrial control of processes and power circuits is emphasized. The laboratory experiments include SCR and switching devices in the control of power circuits; application of sensors for measurement of heat, position, stress, light and pressure; operation and programming of programmable controllers; measurements in single phase and three phase -Y power circuits, and the operation of motors. Students will apply material learned in this course and in previous courses to a capstone project. (Prerequisite: ETEE 1500)
Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

ETME (Engin. Tech.-Mechanical (ETME))

ETME 1010 - Robotics and Control
(3 Credits)
This course provides an introduction to the field of robotics and automation. Topics include the different robot classification systems and robot arm configurations; robot end effectors, robot operating systems and kinematics. This course also introduces basic concepts of automation and artificial intelligence. Various concepts of control are introduced such as programmable logic controllers. Equipment justification is also introduced. Students will program and operate two types of robots using the robots' programming languages.
Lecture: 2 hours, Lab: 2 hours

ETME 1020 - Introduction to Manufacturing Processes
(3 Credits)
This course provides students with insight and practical experiences in the set-up and operation of basic machines and measuring tools used in manufacturing processes. Significant emphasis is placed on dealing safely with high power machinery, materials, laboratory clothing and machine maintenance. Turning, milling, grinding, drilling and precision measurement are covered, developing students' ability to fabricate mechanical components using traditional machining. Students learn the limitations of traditional machining and prepare for understanding advanced manufacturing technology.
Lecture: 1 hour, Lab: 4 hours - Lab Fee: $20

ETME 1500 - Mechanical Systems I (Formerly MEET 2830)
(3 Credits)
This course is designed to familiarize the student with components used in mechanical systems. The student will learn how to select components based on system requirements and how to implement the component into the system. Attention is given to currently manufactured components and the use of the manufacturer's sizing and mounting procedures. More specifically, the sizing and fitting of these elements based on function, power requirements, life and cost. (Prerequisites: MATH 1179; ENGR 1020 and 1030; ETEE 1050)
Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20
### ETME 1510 - Engineering Mechanics Technology (Formerly MEET 1510)

(3 Credits)

This course is for students in the Engineering Technology Systems programs. Students are introduced to basic concepts in engineering mechanics: statics, dynamics, and the strength of materials, with a focus on technical application of the fundamentals to mechanical design. Newton’s Laws are studied with emphasis on equilibrium and motion. Realistic problems are analyzed through the use of vector mechanics. Kinematic and kinetics are investigated to a level sufficient enough for students to follow and develop basic analysis of mechanisms and machines. Stress levels and strain are covered allowing for determination of acceptable analysis and design of mechanical systems. (Prerequisites: MATH 1179 and 1181; ENGR 1020 and 1030) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

### ETME 2310 - Automation Systems

(3 Credits)

This course addresses fundamental issues of automation. Topics covered include the types of automation, designing for automation, automatic assembly transfer systems, automatic feeding and orienting, and automated material handling systems. Quality and cost analysis as they relate to automation, the design and analysis of lean systems, as well as advanced topics in robotics such as vision systems technology are also discussed. (Prerequisites: ETEE 1800; ETME 1010) Lecture 2 hours, Lab 2 hours

### ETME 2500 - Mechanical Systems II (Capstone)

(3 Credits)

The purpose of this course is to teach the student how mechanical components (studied in the prerequisites INST 1010 – Introduction to Instrumentation, ETME 1010 – Robotics and Control, ETEE 1050 – Introduction to Electromechanical Systems, and ETME 1500 – Mechanical Systems I) are combined and intergraded into complex working systems. The course will stress building assemblies and harnessing electrical controls to the assemblies. This course is designed to cement together the knowledge learned in previous courses within the program. Students will learn to create operational sequences, build systems from standard components, write programs to control them, apply necessary sensors and actuators, and operate and debug their assemblies. (Prerequisites: MATH 1179 and 1181; ENGR 1020 and 1030; ETEE 1050; ETME 1010 and 1510). Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

### ETME 2930 - Industrial Materials (Formerly ENGT 2930)

(3 Credits)

This course is an introduction to the different material systems in material science. This course includes an introduction to the structure and properties (such as mechanical, chemical, and physical properties) of materials, specifically metals. Equilibrium phase diagrams and isothermal diagrams are also introduced. This course also introduces various techniques of materials testing such as tensile, creep, bend, hardness, impact, and fatigue testing. Also covered are various techniques of heat treatment such as annealing. This course examines the factors that influence the production and modification of materials into useful forms. Students learn about the various manufacturing processes and machinery used to convert raw materials into finished products. The course gives the student “hands on” experience with materials and processes used in industry. A lab is also utilized to demonstrate various techniques. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

### ETUT (Energy Utility Technology)

### ETUT 1060 - Energy Industry Safety

(3 Credits)

This course provides an introduction to the principles of safety and guidelines for the design and maintenance of energy equipment. Students will learn the skills necessary for safe power generation, transmission and distribution. The course will cover industry safety practices and human reactions in normal and abnormal conditions. Safe working conditions will be compared to industry standards and OSHA regulations. From a safety prospective, the course will provide an overview of the electric generation process, power plant systems and functions, typical power industry philosophy, departmental responsibilities and practices, industrial health issues, and environmental safety. (Prerequisite: MATH 0099 with a grade of “C” or better) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

### ETUT 1160 - Introduction to Energy Utility Industry

(3 Credits)

This course provides the student with an overview of the energy utility industry and its occupational opportunities. This includes the history of providing reliable energy service, regulatory influences, and electric/gas energy flow. The course will also cover basic terminology, typical conditions for employment, and career opportunities. Current technology for energy generation, transmission and distribution will be discussed and demonstrated. This course will integrate an overall understanding of the energy utility industry, its functions, business issues, procedures and practices. (Prerequisite: MATH 0099 with a grade of “C” or better) Lecture: 2 hours, Lab: 2 hours. - Lab Fee: $20
**ETUT 2500 - Energy Industry Practicum and Capstone**  
(3 Credits)  
As part of a practicum this course will introduce the student to the practical skills and procedures of a major power generation company (National Grid). The practicum will allow students to learning how to splice wires, connect fuses and transformers. Students will become familiar with the tools and equipment used in the power industry. The course will also function as a program capstone, providing the student an opportunity to integrate all energy utility industry knowledge obtained to date and to complete their program portfolio. The practicum is one eight-hour day per week for eight consecutive weeks at the National Grid Millbury Massachusetts Training Center. (Prerequisite: ETEE 1500) Spring Only. Lecture: 2 hours, Practicum: 8 hours per week - Lab Fee: $20

**FILM (Film/Media)**

### FILM 2204 - History of Film I  
(3 Credits)  
This course studies the history of motion pictures, beginning with the invention of the moving image in the 1880s through the middle of the twentieth century. The industrial and social history of cinema in the United States, including the studio system, the star system, and content regulation, are explored. The international cinema of Germany, France, Soviet Union, and other countries are also studied. Historical events and their influences are investigated, including world wars, cultural transformations, racial diversity and global influences. Technical invention of key visual and audio recording devices is reviewed, as well as key narrative developments in structure, genre, pacing and editing. Significant films will be screened for analysis and discussion. Lecture: 3 hours, Screening: 1 hour

### FILM 2205 - History of Film II  
(3 Credits)  
This course is designed as an overview of the significant national and international trends in the history of film, from approximately 1950 until the present day. The emphasis will be on significant cinematic movements, the key players and films within those environments, and the larger social and historical context in which these movements occurred. Through screenings, readings, and class discussions, students will develop an appreciation for the critical insight into the history, politics, aesthetics, and philosophical debates that shaped these cinematic traditions. Lecture: 3 hours, Screening: 1 hour

**FIRE (Fire Science)**

### FIRE 1010 - Principles of Fire and Emergency Services Safety & Survival  
(3 Credits)  
This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services. Lecture: 3 hours

### FIRE 1020 - Fundamentals of Fire Prevention  
(3 Credits)  
This course provides personnel in the fire service with a basic knowledge of the field of fire prevention. (Prerequisite: FIRE 1030) Lecture: 3 hours

### FIRE 1030 - Introduction to Fire Science and Officership  
(3 Credits)  
This course provides an introduction to fire science and covers, in detail, the fire officer and his/her relationship with the fire organization. The fire officer's responsibilities and duties, related to fire fighting and non-firefighting activities, are also covered in detail. Lecture: 3 hours

### FIRE 1040 - Fire Fighting Tactics and Strategy  
(3 Credits)  
The essential elements in analyzing the nature of fires and methods of control are discussed in detail in this course. A segment of this course includes field projects with practical experience, building inspection and problems relative to major conflagrations. (Prerequisite: FIRE 1030) Lecture: 3 hours

### FIRE 1050 - Building Construction and Fire Codes  
(3 Credits)  
The elements of fundamental building construction, design and fire protection features are covered in this course. Attention is also given to special considerations related to national, state and local laws and ordinances directly related to the field of fire prevention. (Prerequisite: FIRE 1020) Lecture: 3 hours
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRE 1070</td>
<td>Fire Protection Systems and Equipment</td>
<td>3</td>
<td>This course provides students with technical knowledge in the use of fire protection systems and equipment. Portable fire extinguishing equipment, sprinkler systems, protection systems for special hazards, and fire alarm and detection systems are covered. (Prerequisite: FIRE 1020) Lecture: 3 hours</td>
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<tr>
<td>FIRE 1090</td>
<td>Fire Hydraulics and Equipment</td>
<td>3</td>
<td>This course provides a review of basic mathematics and hydraulic laws and formulas as applied to the fire service. Time is allotted for practical application of formulas and mental calculation to hydraulic problems as well as for consideration of the water supply problem and underwriters' requirements for pumps. A segment of this course includes practical field experience. (Prerequisite: MATH 1025) Lecture: 3 hours</td>
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<tr>
<td>FIRE 1100</td>
<td>Municipal Fire Administration</td>
<td>3</td>
<td>This course provides an overview of the technical and administrative tasks associated with maintenance, custody and operation of a fire department. (Prerequisite: FIRE 1030) Lecture: 3 hours</td>
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<tr>
<td>FIRE 1120</td>
<td>Investigations, Fire and Explosions</td>
<td>3</td>
<td>This course covers the history, development and philosophy of fire investigation and detection. Topics include inspection techniques, gathering evidence for the development of technical reports, fundamentals of arson investigations, processing of criminal evidence and criminal procedures related to the various states and local statutes. Considerable time is spent on examination of explosive and incendiary devices, methods of search and bomb-threat procedures. Lecture: 3 hours</td>
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<tr>
<td>FIRE 1130</td>
<td>Emergency Medical Technician Basic</td>
<td>8</td>
<td>This course trains emergency medical technicians and other allied health and safety personnel for emergency care of the sick and injured at the scene and during transport. Classroom experience and practical demonstration are used to familiarize students with the use of rescue equipment. Students are assigned 10 hours of clinical experience in the emergency room of an affiliated hospital. Lecture: 8 hours, Lab: 2 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>FREN (French)</td>
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<td></td>
</tr>
<tr>
<td>FREN 1000</td>
<td>Basic Spoken French I</td>
<td>3</td>
<td>This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours</td>
</tr>
<tr>
<td>FREN 1010</td>
<td>Elementary French I</td>
<td>3</td>
<td>This course is for students with little or no preparation and covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of French-speaking cultures are also included. Lecture: 5 hours</td>
</tr>
<tr>
<td>FREN 1020</td>
<td>Elementary French II</td>
<td>3</td>
<td>This is a continuation of Elementary French I (FREN 1010). (Prerequisite: FREN 1010, FREN 1030 or its equivalent) Lecture: 5 hours</td>
</tr>
<tr>
<td>FREN 1030</td>
<td>Elementary French I</td>
<td>3</td>
<td>French 1030 is a faster paced version of French 1010. This course is suitable for students with previous experience i.e. Basic spoken French and /or other prior formal study of the language, prior formal study of another foreign language, or informal experience with a foreign language. The course covers elements of the language including: conversation, pronunciation, reading, writing, and grammar. Aspects of French-speaking cultures are also included. Note: Course content is the same as French 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor). Lecture: 3 hours</td>
</tr>
</tbody>
</table>
**Community College of Rhode Island**

**FREN 1040 - Elementary French II**  
(3 Credits)  
This course is a continuation of FREN 1030. Note: Course content is the same as FREN 1020 with 2 less classroom hours per week. (Prerequisite: FREN 1030, FREN 1010 or its equivalent) Lecture: 3 hours

**FREN 2010 - Intermediate French I**  
(3 Credits)  
This course helps students develop skill in reading and discussing French texts related to culture and literature. Course work is supplemented by further work in grammar, conversation and composition. (Prerequisite: FREN 1020 or 1040 or its equivalent. Prior preparation as noted above or permission of instructor). Lecture: 3 hours

**FREN 2020 - Intermediate French II**  
(3 Credits)  
This course is a continuation of Intermediate French I (FREN 2010). (Prerequisite: FREN 2010 or its equivalent. Prior preparation as noted above or permission of instructor) Lecture: 3 hours

**GEOG (Geography)**

**GEOG 1010 - Introduction to Geography**  
(3 Credits)  
Physical and cultural elements of geography are considered as they relate to each other in the economic, political, cultural and historical aspects of human civilization. Map study is a major focus of this course as we examine all major regions of the world. Lecture: 3 hours

**GEOL (Geology)**

**GEOL 1010 - Gen Geology I-Physical Geology**  
(4 Credits)  
This course investigates the planet Earth, explaining the geologic events and features through plate tectonics. Major topics included are the study of minerals and rocks; volcanoes; earthquakes; weathering and erosion; streams and floods; and groundwater. In addition, a field trip to localities in Rhode Island and the vicinity is taken. Course fulfills one lab science requirement for A.A. degree. Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

**GEOL 1020 - The Earth Through Time**  
(4 Credits)  
This course investigates the geological history of the Earth. Topics include plate tectonics; climate change, such as the Ice Age; and the evolution of life (e.g. dinosaurs). A key goal is to lean how these topics have interacted through time resulting in the present location of our continents, oceans, and present day life. Off-campus field trips to Rhode Island locations are usually scheduled. - Lab Fee: $20

**GEOL 1030 - Natural Disasters**  
(3 Credits)  
This course studies the earth by focusing on natural disasters. The causes and consequences of such events are examined within the framework of earth sciences. Major topics covered include earthquakes, volcanoes, tsunami, landslides, climate change, hurricanes, floods and meteorite impacts. Lecture: 3 hours

**GEOL 1040 - Introduction to Geographic Information Systems (GIS)**  
(3 Credits)  
This course is an introduction to using ArcGIS 9.3 to create and analyze digital maps. Students learn how to use the software to create maps, graphs, and reports. Basic cartography, coordinate systems, geodesy, map projections, and map design are also covered. Students complete and present a final mapping project on a topic of their choosing. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

**GEOL 1050 - Urban Geology**  
(4 Credits)  
This course explores the relationship of cities to their natural settings. The Earth’s surface features, geological processes, and internal structure are explored, including plate tectonics, earthquakes, volcanoes, the rock cycle, rivers, and mass wasting. These and more are investigated in terms of...
their effect on urban areas. Topics include building stone, water supply, sanitation, population growth, and megacities in the developing world. There will be a field trip to look at stone buildings in Providence or Newport. Lecture: 3 hours, Lab: 2 hours

**GERM (German)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERM 1000</td>
<td>Basic Spoken German I</td>
<td>3</td>
<td>This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours</td>
</tr>
<tr>
<td>GERM 1010</td>
<td>Elementary German I</td>
<td>3</td>
<td>This course is for students with little or no preparation and covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of German culture are also included. Lecture: 5 hours</td>
</tr>
<tr>
<td>GERM 1020</td>
<td>Elementary German II</td>
<td>3</td>
<td>This is a continuation of Elementary German I (GERM 1010). (Prerequisite: GERM 1010, 1030 or equivalent) Lecture: 5 hours</td>
</tr>
<tr>
<td>GERM 1030</td>
<td>Elementary German I</td>
<td>3</td>
<td>German 1030 is a faster paced version of German 1010. This course is suitable for students with previous experience i.e. Basic spoken German and / or other prior formal study of the language, prior formal study of another foreign language, or informal experience with a foreign language. The course covers elements of the language including: conversation, pronunciation, reading, writing, and grammar. Aspects of German-speaking cultures are also included. Note: Course content is the same as German 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor). Lecture: 3 hours</td>
</tr>
<tr>
<td>GERM 1040</td>
<td>Elementary German II</td>
<td>3</td>
<td>This course is a continuation of GERM 1030. Note: Course content is the same as GERM 1020 with 2 less classroom hours per week. (Prerequisite: GERM 1030, GERM 1010 or its equivalent) Lecture: 3 hours</td>
</tr>
<tr>
<td>GERM 2010</td>
<td>Intermediate German I</td>
<td>3</td>
<td>This course helps students develop skill in reading and discussing German texts related to culture and literature. Course work is supplemented by further work in grammar, conversation and composition. (Prerequisite: GERM 1020, 1040 or its equivalent. Prior preparation as noted above or permission of instructor.) Lecture: 3 hours</td>
</tr>
<tr>
<td>GERM 2020</td>
<td>Intermediate German II</td>
<td>3</td>
<td>This is a continuation of Intermediate German I (GERM 2010) (Prerequisite: GERM 2010 or its equivalent. Prior preparation as noted above or permission of instructor.) Lecture: 3 hours</td>
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</table>

**HEAL (Health)**

<table>
<thead>
<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAL 0200</td>
<td>CPR-Healthcare Providers</td>
<td>0</td>
<td>This course provides training in CPR skills and use of the automated external defibrillator (AED). It is a five-hour, noncredit course in which an American Heart Association course completion card is issued after satisfactory demonstration of CPR skills and a satisfactory score on a multiple-choice test. Course content includes risk factors, signs and symptoms of heart disease and stroke, and actions to take with an individual experiencing symptoms. CPR skills taught and practiced include relief of foreign body airway obstruction, rescue breathing, and cardiopulmonary resuscitation for infants, children and adults. Note: Health care provider card is a requirement for all Health and Rehabilitative Sciences programs. - CPR Fee: $45</td>
</tr>
</tbody>
</table>
HEAL 1000 - Introduction to Health Careers
(3 Credits)
This course provides an overview of the health field including the characteristics of health care workers, ethical and legal considerations in health care and selected content common to all health programs. (Prerequisite: Accuplacer reading score of 75 or higher.) Lecture: 3 hours

HEAL 1015 - Health Issues in Aging
(3 Credits)
This three-credit course is designed for individuals who work in health care and other professions that deal with an aged population. It examines the unique issues related to the elderly with a particular emphasis on healthy aging in our society. An overview of the aging process will include specific aspects such as physiological and psychological changes, socialization, and chronic illness. The management of chronic health problems, disease prevention, and health promotion will be discussed. Attention to social, political, and cultural issues will be discussed including family, community, and health services resources. Discussions will focus on the interdisciplinary approach to elder care, emphasizing healthy aging and optimal wellness. Lecture: 3 hours

HEAL 1055 - Focus on Nursing Pharmacology
(3 Credits)
The student nurse is in a unique position regarding drug therapy. Nursing responsibilities include administration of drugs, assessing drug side effects and adverse reactions, interventions to make the drug regimen more tolerable, providing patient teaching and monitoring the patient’s care plan to prevent medication errors. This presents pharmacology as an understandable and learnable subject through the utilization of the nursing process. The course involves the study of drug classes, pharmacokinetics, pharmacodynamics, pathophysiological changes related to drug classes, and application of nursing fundamentals. Lecture: 3 hours

HEAL 1060 - Dosage Calculations for Medication Administration
(3 Credits)
This course is designed to meet the needs of any current or potential practitioners of nursing whose responsibilities include the safe administration of medications to clients within diverse clinical settings. A working knowledge of dosage calculations is necessary within any given medication administration system today. Information related to systems of measurements and conversions within these systems is presented. This course helps health care professionals calculate dosages accurately, with increased confidence and decreased math anxiety to ensure the safe administration of medications, which is the primary responsibility of nurses. (Prerequisite: MATH 0500 or appropriate placement test score) Lecture: 3 hours

HEAL 1070 - Physical Assessment for Nurses
(4 Credits)
This course introduces students to examination techniques for adult physical assessment. Anatomy and physiology are reviewed to reinforce understanding of bodily processes necessary to understand the physical exam. Focus is on normal and abnormal findings. Consideration is also given to cultural, ethnic, and special populations. (Prerequisite: BIOL 1010, 1020 or BIOL 2201 and 2202) Lecture: 3 hours

HEAL 1080 - Nursing Documentation
(3 Credits)
This BlackBoard course is designed to help nursing students or practicing nurses develop documentation skills within a variety of systems and methods. Legal and ethical implications of documentation are described. Strong emphasis is placed on documentation systems utilizing the nursing process framework. Students are encouraged to analyze and apply what they have learned through the use of case studies. (Prerequisite: Nursing student/practicing nurse) Lecture: 3 hours

HEAL 1085 - Nursing Informatics
(3 Credits)
This course is designed for individuals who work in health care and other professions that deal with informatics. It will examine the theory and applications of nursing, computer and information science to enhance decision making in health care settings. An overview of nursing informatics will include computer, networking, databases, research, legal and ethical issues. This course will involve theory and application to practice. Lecture: 3 hours, Lab: 1 hour
## HIST (History)

### HIST 1010 - Survey of Western Civilization I
(3 Credits)
This course is a survey of Western cultural development from its inception in the Near East, through Greece and Rome, the Middle Ages, the Renaissance and the Reformation of the 16th century. Lecture: 3 hours

### HIST 1020 - Survey of Western Civilization II
(3 Credits)
This survey course examines the dominant influences in Western culture from the 16th to the 20th century. Lecture: 3 hours

### HIST 1210 - History of the United States to 1877
(3 Credits)
This is a survey course of American history beginning with European backgrounds and discovery and continuing through the period of reconstruction. Lecture: 3 hours

### HIST 1220 - History of the United States from 1877
(3 Credits)
This survey course covers American history from the rise of industrialism to the present. Lecture: 3 hours

### HIST 2010 - Women in North American History, 1600-1900
(3 Credits)
This is a survey course in the history of American women in North America that begins with pre-contact societies of native Americans and concludes with the Progressive Era at the turn of the twentieth century. Students will examine the experiences of native American women, European colonial women, African slave women and their mistresses, middle-class women of the Northeast, pioneering women, working girls, female reformers and radicals, women in the Civil War, and in Progressivism. Prerequisite: Reading level 0700. Lecture: 3 hours

### HIST 2015 - Women in North American History, 1900 - Present
(3 Credits)
This is a survey course in the history of American women in North America from the turn of the twentieth century to the present. Students will examine women's culture and society in a maturing urban industrial order in the late nineteenth century Gilded Age; analyze women's political activism in the Progressive Era, and explore the changing notions of sexuality that influenced gender roles for both women and men in the early twentieth century. Also included are topics concerning women's roles in the Great Depression and World War II, the re-emergence of the Cult of Domesticity in the postwar era, the civil rights movement, and feminism's second wave in the 1960s and 1970s. Prerequisite: Reading level 0700. Lecture: 3 hours

### HIST 2020 - Civil War and Reconstruction
(3 Credits)
This course is a blend of both traditional Civil War history and the latest developments in the field, especially in social history. Political and military matters are analyzed, as well as the lives of slaves, soldiers and women. The topic of slavery will be thoroughly explored, as well as the effort to rehabilitate the lives of former slaves during Reconstruction. Lecture: 3 hours

### HIST 2035 - American Society and Culture in the Cold War, 1945-1991
(3 Credits)
This course examines U.S. foreign policy in the Cold War era and its impact domestically and globally. Lecture: 3 hours

### HIST 2241 - America's Experience in Vietnam
(3 Credits)
This course examines, in-depth, America’s involvement in Vietnam from World War II to 1975. Military, political, social and cultural reasons for, as well as consequences of, the American commitment are studied. (Recommended: HIST 1220 prior to this course) Lecture: 3 hours
HIST 2245 - History of Asian-Americans
(3 Credits)
This course surveys Asian-American history from the 1840s to the present. The first half of the course focuses on the experiences of Chinese, Japanese and Filipino immigrants in the U.S. from the Gold Rush (late 1840s) to World War II. The main emphases are on immigration, communities, race relations, exclusion and incarceration. The second half of the course moves on to the great changes within the Asian-American community since the 1960s: new immigration from Korea, South Asia and the refugee communities of Vietnamese-Cambodian-, and Laotian/Hmong-Americans. Lecture: 3 hours

HIST 2250 - History of Black America
(3 Credits)
This course focuses on the history of black Americans from African origins to the present. Consideration is given to slavery, Reconstruction and ethnic relations from Colonial times to the present. (Recommended: HIST 1210 and/or 1220 prior to this course) Lecture: 3 hours

HIST 2260 - A Survey of East Asian Civilization
(3 Credits)
This is a survey of East Asian civilization from ancient times to the modern period. The course also will treat the region as part of world history with discussions and comparisons of East Asia and other world economies and cultures. Lecture: 3 hours

HIST 2330 - War and Society
(3 Credits)
In this course, we will explore the ways that war and violence were central to the formation, consolidation and expansion of European nation-states from the French Revolution to the collapse of empires in Europe. We will begin by reading works on the nature and origins of violence in modern society. We will then examine the rise of mass politics and the ideologies that produced widespread destruction in the wake of the French and Industrial Revolutions. When we move to the 20th century, we will focus significant attention on the history of the two World Wars, but we will be equally concerned with identifying the changing notions of legitimate state and interpersonal violence. Course readings will include primary and secondary sources, but films and music also will be important. Lecture: 3 hours

HMLS (Homeland Security)

HMLS 1000 - Introduction to Homeland Security
(3 Credits)
This course is designed to provide the student with an understanding of the definition, origins, and development of Homeland Security in the United States. The terminology of the Department of Homeland Security will be discussed as well as the presidential directives that created this new department. This course will explore state, national, and international laws impacting homeland security. The course will examine the most critical threats and challenges confronting homeland security. This course will also discuss how DHS has changed over the past several years in reaction to different terrorist events and the future of protecting the homeland. Lecture: 3 hours

HMLS 1010 - Intelligence Analysis and Risk Management
(3 Credits)
This course examines intelligence analysis and its indispensable relationship to the security management of terrorist attacks, man-made disasters and natural disasters. It also explores vulnerabilities of our national defense and private sectors, as well as the threats posed to these institutions by terrorists, man-made disasters, and natural disasters. Students will discuss substantive issues regarding intelligence support of homeland security measures implemented by the United States and explore how the intelligence community operates. Lecture: 3 hours

HMLS 1020 - Border and Transportation Security
(3 Credits)
Provides an in-depth view of modern border and transportation security. Specific topics include security for seaports, ships, aircraft, trains, trucks, pipelines, buses, etc. Focuses on the technology needed to detect terrorists and their weapons as well as includes discussion on legal, economic, political, and cultural aspects of the problem. Lecture: 3 hours

HMNS (Human Services)

LEVEL I FIELD and PRACTICUM EXPERIENCES
HMNS 1200, 1201, 1210 and 1220
All field and practicum courses are competency-based internships designed to train students in basic human service skills through a combination of field placement and seminar activities. Field placements range from 50 to 90 hours per semester and require a one- to three-hour campus-based seminar. (Prerequisite: Grades of C or better in HMNS 1010 and the required Human Services courses for each concentration) Note: Eligibility for field placement at all levels is subject to academic standing and instructor recommendations regarding readiness. Seminar 1–3 hours, Fieldwork: 4–8 hours

LEVEL II FIELD EXPERIENCES
HMNS 2310, 2320, 2340 and 2360

Level II internships are designed to develop intermediate skills in various disciplines. Students are assigned to cooperating agencies and schools for 75 to 90 hours per semester and also are required to attend a one- to two-hour seminar each week. (Prerequisites: Grade of C or better in Field I and required Human Services courses) Seminar: 1–2 hours, Fieldwork: 6–8 hours

LEVEL III FIELD EXPERIENCES
HMNS 2410, 2420, 2440 and 2460

Level III internships combine field experience and seminar to further develop advanced intervention and implementation skills in all Human Services concentrations. Students are assigned to a cooperating agency or school for 75 to 90 hours per semester and are required to attend a one- to two-hour seminar each week. (Prerequisites: Grades of “C” or better in Field Experiences I and II and required Human Services courses) Seminar: 1–2 hours, Fieldwork: 6–8 hours

HMNS 1010 - Introduction to Helping and Human Services
(3 Credits)
This is the first in a sequence of required courses for internship placement in all Human Services Concentrations. This course provides a working familiarity with theories of human development and will explore values and helping skills that are generic to the fields of teaching and human services. Students examine personal and professional attitudes, values and beliefs that correlate with high effectiveness and will review current research for an understanding of social and behavioral issues critical to effective teaching and helping. Tools to assist students in self-assessment, use of a sequential model for helping and the development of critical reading and reflective writing skills are provided. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 1040 - Drugs and Human Behavior
(4 Credits)
This course provides general and specialized knowledge concerning the bio-psycho-social antecedents and consequences of drug taking behaviors. Additionally, it carefully examines the nature of compulsion as it relates to the activity addictions. The use of medical, behavioral and psychodynamic models promote an understanding of addiction as a process, not an event, and students are exposed to current research documenting the connections between addictive behavior activities and brain chemistry. Students will gain knowledge and skills in the areas of assessment, intervention, treatment, relapse prevention and health promotion for working with individuals, groups and families affected by addictive and compulsive disorders. This course is required for placement in a substance abuse internship. Note: Grade of C or better required for Human Services program students. Lecture: 4 hours

HMNS 1080 - Health, Nutrition and the Young Child
(3 Credits)
This course provides students with basic concepts of health, nutrition and food science as they apply to the care and education of young children. Students acquire those skills necessary for incorporating critical concepts into programming and curriculum in a wide variety of early childhood settings. Students will be required to spend 4-6 hours over the course of the semester participating in experiences and researching application of course content in a public school, licensed educational setting or licensed child care. Note: This course is approved by the Department of Education for RI Early Childhood Teacher Certification. Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 1090 - Foundations of Gerontology and Elder Care
(3 Credits)
Using a competency-based approach, this course provides students with specialized skills needed to plan and implement the professional delivery of direct services to senior adults, nursing home residents, the frail and elderly and the chronic or disabled senior patient. Students become familiar with the construction and interpretation of diagnostic assessments as part of senior activity planning that addresses the physical, social and emotional needs of the nursing home client. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours
HMNS 1130 - Introduction to Interpersonal Violence  
(3 Credits)  
This course is designed to introduce students to current research and theories of interpersonal violence. Students acquire knowledge about developmental approaches as well as psychological and sociological theories as they relate to the effects of interpersonal violence on individuals and society. A systems perspective is used to examine both victim and perpetrator profiles in the areas of child abuse and neglect, attachment abuse, elder abuse, partner abuse, hate crimes and youth violence. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 1140 - Interventions in Interpersonal Violence  
(3 Credits)  
This course is designed as an extension of HMNS 1130 and will explore the continuum of prevention, intervention and treatment in interpersonal violence. Students will learn about treatment and intervention models as well as current research describing advocacy, psychological, sociological and systems approaches. The specific strategies suggested by each are reviewed toward providing students with skills for appropriate interventions. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 1200 - Practicum I: Service Learning  
(3 Credits)  
All field and practicum courses are competency-based internships designed to train students in basic human service skills through a combination of field placement and seminar activities. Field placements range from 50 to 90 hours per semester and require a one- to three- hour campus-based seminar. (Prerequisite: Grades of C or better in HMNS 1010 and the required Human Services courses for each concentration) Note: Eligibility for field placement at all levels is subject to academic standing and instructor recommendations regarding readiness. Seminar 1–3 hours, Fieldwork: 4–8 hours

HMNS 1210 - Field Experience and Seminar I - Child Development  
(3 Credits)  
All field and practicum courses are competency-based internships designed to train students in basic human service skills through a combination of field placement and seminar activities. Field placements range from 50 to 90 hours per semester and require a one- to three- hour campus-based seminar. (Prerequisite: Grades of C or better in HMNS 1010 and the required Human Services courses for each concentration) Note: Eligibility for field placement at all levels is subject to academic standing and instructor recommendations regarding readiness. Seminar 1–3 hours, Fieldwork: 4–8 hours

HMNS 1220 - Field Experience and Seminar I - Education/Special Needs  
(3 Credits)  
All field and practicum courses are competency-based internships designed to train students in basic human service skills through a combination of field placement and seminar activities. Field placements range from 50 to 90 hours per semester and require a one- to three- hour campus-based seminar. (Prerequisite: Grades of C or better in HMNS 1010 and the required Human Services courses for each concentration) Note: Eligibility for field placement at all levels is subject to academic standing and instructor recommendations regarding readiness. Seminar 1–3 hours, Fieldwork: 4–8 hours

HMNS 2030 - Emergent Literacy: Reading Readiness in ECE  
(3 Credits)  
This course introduces students to the theoretical and practical foundations of emergent literacy. Students will develop teacher competencies in areas of developmental assessment, teaching methodology, curriculum planning and implementation. This course is required for RI Certification in Early Childhood Education. Note: Grade of C or better required for Human Services program students. (Prerequisite: HMNS 2100, 2120, 1210, 2310) Lecture: 3 hours

HMNS 2060 - Foundations of Teaching and Learning  
(3 Credits)  
This course provides a theoretical and practical foundation for understanding the evolution and current state of American schooling. Students will examine critical issues related to classroom environment, learning styles and appropriate instruction, curriculum development, standards and diversity. Students will gain a practical understanding of those ethics and indices of professional development that correlate with effective teaching. This is a required course for teacher associates, education and special education majors. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours
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<tr>
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<tr>
<td>HMNS 2070</td>
<td>Characteristics and Needs of Special Populations</td>
<td>3</td>
<td>This course examines origins, indicators and issues related to children and adults who have significant differences mentally, physically, socially, behaviorally or in the area of communicative skills. Students gain a working knowledge for recognizing and responding appropriately to the needs of children and adults in a variety of educational and caregiving environments. Educational modifications and placement alternatives are discussed. This is a required course for Special Education, Education and Child Development majors. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours</td>
</tr>
<tr>
<td>HMNS 2080</td>
<td>Case Study Development for Special Needs Educators</td>
<td>3</td>
<td>This course is an applied learning experience that links and illuminates theoretical and academic information discussed in class with a student currently enrolled in an actual school-based program, in order to promote an understanding of differences in learning and development. Students will complete a minimum of 30 contact hours in an educational setting that includes children with disabilities. Students will select a child to study, review the student's assessment and IEP for the purpose of presenting it as a formal case study. Note: Grade of C or better required for Human Services program students. Lecture: 2 hours, Lab: 2 hours</td>
</tr>
<tr>
<td>HMNS 2100</td>
<td>Child Growth and Development Skills</td>
<td>3</td>
<td>This course is the first in a sequence for Child Development majors and provides the foundation for understanding major theories in the physical, social, intellectual and emotional needs of children. Students will explore various teaching styles for observing, assessing and guiding the growth and development of young children. Students are required to observe children from birth to age eight in a public school, licensed educational setting for a total of 4-6 hours over the course of the semester. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours</td>
</tr>
<tr>
<td>HMNS 2110</td>
<td>Introduction to Social Work and Social Welfare</td>
<td>4</td>
<td>This course provides an overview of social work as a profession, including its history, values, practices, methods and settings. Students will gain a working knowledge of the structure and organization of public, private and voluntary social services, welfare programs and their interconnection in the human service delivery network. Students will understand the code of ethics, skills and competencies that guide effective practitioners in the social work profession. Note: Grade of C or better required for Human Services program students. Lecture: 4 hours</td>
</tr>
<tr>
<td>HMNS 2120</td>
<td>Curriculum for Young Children</td>
<td>3</td>
<td>This course is designed so students can develop the skills necessary to plan developmentally appropriate curriculum and environments for children from birth to age eight in a variety of early childhood settings. Students will gain an understanding of how children learn and how to assess developmental readiness for creating and implementing developmentally appropriate. Students will be required to spend 3-4 hours over the course of the semester observing environments and implementing learning opportunities in a public school, licensed educational or child care setting. (Prerequisite: HMNS 2100 or equivalent experience approved by instructor) Note: Grade of C or better required for Human Services program students. Lecture: 3 hours</td>
</tr>
<tr>
<td>HMNS 2130</td>
<td>Therapeutic Interventions I: Working with Individuals</td>
<td>3</td>
<td>This course provides a comprehensive overview of major therapeutic models including psychoanalytic, Adlerian person-centered reality, Gestalt, transactional, rational-emotive and behavioral. Students will acquire related intervention skills and techniques for meeting the needs of individual clients of all ages served in social work, mental health and substance abuse settings. Emphasis is also placed on ethical standards and the development of skills needed for formulation of bio-psycho-social case/treatment plans. (Prerequisite: HMNS 2200) Note: Grade of C or better required for Human Services program students. Lecture: 3 hours</td>
</tr>
<tr>
<td>HMNS 2135</td>
<td>Therapeutic Interventions II: Group Process and Practice</td>
<td>3</td>
<td>This course provides a comprehensive overview of major therapeutic models and related intervention methods for use with families and small groups. Students will learn skills appropriate for constructing and facilitating groups in social service and mental health settings. (Prerequisites: HMNS 1010, 2200; HMNS 2130 also recommended with grades of C or better required for Human Services program students) Lecture: 3 hours</td>
</tr>
</tbody>
</table>
HMNS 2140 - Guiding Children's Behavior
(3 Credits)
This course examines positive strategies in supporting and guiding the emotional self-regulation and social competence in early childhood development. Emphasis is placed on intervention strategies to critical issues common to young children. Student will learn skills related to shaping the ways young children think, learn, react to challenges and develop relationships. Students will practice positive guidance strategies and learn about classroom design as a focus of prevention of behavior problems. Students may be required to spend 4-6 hours over the course of the semester conducting observations in an educational or licensed childcare setting. Note: Grade of C or better is required for Human Services program students. Lecture: 3 hours

HMNS 2150 - Parent and Child Relations
(3 Credits)
This course explores the parent-child relationship as it develops and evolves within diverse family systems and reviews strategies for working with parents. Special attention is placed upon the various developmental stages that both children and parents pass through and, in turn, how children and parents influence and challenge each other's development. Selected topics may include the impact that various parenting and behavioral control styles can have on children, how such issues as culture, social class, children's temperament, divorce, abuse, special needs and parental mental health can impact parenting and child well-being. Students develop an understanding of how to assess parent-child relations and review behavioral strategies for working with parents in educational and social settings. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 2170 - Learning Disabilities
(3 Credits)
This course provides students with an understanding of learning disabilities as they manifest in children and as they impact learning and development. Students are able to recognize the characteristics: impact on self-concept; various auditory, visual, perceptual and motor challenges; language delay and hyperactivity and become familiar with diagnostic tests and the appropriate remediation techniques most often prescribed. The Individuals with Disabilities Education Act, along with current changes in research and social policy, frame discussions around eligibility for special services, the referral process and parental rights. (Completion of HMNS 2070 strongly recommended.) Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 2180 - Significant Developmental Disabilities
(3 Credits)
The course provides a specialized understanding of individuals with significant developmental disabilities that includes a focus on multi-sensory impairment, severe intellectual disabilities and profound multiple disability. Students will learn strategies through hands-on activities for developing appropriate intervention and remedial skills. Use of technology, supportive equipment and environmental modifications are included. (Completion of HMNS 2070 recommended.) Lecture: Note: Grade of C or better required for Human Services program students. 3 hours

HMNS 2190 - Infant/Toddler Care: Methods and Materials
(3 Credits)
This course is designed to assist in the planning of curriculum and caregiving for infants and toddlers in home family child care and center-based settings. Students develop skills for planning, selecting developmentally appropriate materials and designing the physical and social environments related to the promotion of infant and toddler development. Students will be required to spend 4-6 hours over the course of the semester conducting observations in a licensed infant-toddler educational setting or a licensed family child care setting. (Completion of HMNS 2100 recommended.) Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 2200 - Assessment Interviewing for Treatment Planning
(3 Credits)
This course provides an in-depth study of the interviewing process, including methods for creating client safety and rapport and most importantly how to obtain and assess client information. Data collection and client assessment are the initial steps in the social service process; therefore, this is the first course in the social work, mental health, gerontology and substance abuse concentrations for teaching appropriate intervention skills. Students are taught how to use the interviewing process to initiate helping strategies for use in a variety of mental health and social service settings. This course is a prerequisite for HMNS-1200. Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 2220 - Social Work Program and Policy Analysis
(3 Credits)
This course critically analyzes the values, theories, history, economics and politics associated with the development, implementation and evaluation of social policies and programs. Special attention is given to policies in the areas of poverty, education, health, race and sex. In addition to understanding the forces and processes that establish or change social policies, emphasis is placed on the systematic analysis of both existing and proposed social policy. Students will review current trends in national social policies and their effect on state/federal programs with particular
attention to oppressed populations. This course places heavy emphasis on critical analysis. Students will learn to build on their skills in analyzing and critiquing various social policies. (Prerequisite: SOCS 1010, HMNS 1010, 1200, 2110, 2200) Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 2230 - Individuals, Families and Small Groups
(3 Credits)
This course examines how biological, psychological, social and cultural influences affect the behavior of individuals and families. Emphasis is placed on how human behavior is affected by social context and the forces of oppression as well as the impact of oppression on women, lesbians and gay men, persons with physical disabilities and the aged. Skills required to work with these populations, using an ecological/generalist person in environment approach, are discussed. (Recommended prerequisites: HMNS 1010, HMNS 1200, HMNS 2110, PSYC 2020, PSYC 2030, BIOL 1010 recommended). Note: Grade of C or better required for Human Services program students. Lecture: 3 hours

HMNS 2290 - Driver and Traffic Safety Education
(3 Credits)
This course will prepare Certified Teachers to deliver the RI Driver and Traffic Safety Education Curriculum in compliance with those requirements set forth by the RI Department of Motor Vehicles and the Office of Higher Education. Completion will carry Lifetime Certification. In order to be eligible for certification in this new area, students must already be BA/BS Certified Teachers.

HMNS 2310 - Field Experience Seminar II-Child Development
(3 Credits)
This course provides a school or community based placement (as arranged by the instructor) to assist students in refining caregiving and teaching skills developing competencies related to assessing the needs of children from birth to age eight. Students advance their skills for developing appropriate curriculum and activities for young children and continue the development of their professional portfolio. Students are expected to complete 78-90 hours of supervised placement on the designated days and times as noted upon course registration. Students are required to complete a BCI (Bureau of Criminal Identification) background check and should be up to date with immunizations. (Prerequisites: HMNS 1010, 2100, 1210. Corequisite: HMNS 2120) Grades of C or better required for Human Services program students.

HMNS 2320 - Field Experience Seminar II-Education/Special Needs
(3 Credits)
This course places students in a school or community-based placement (as arranged by the instructor). Students refine skills of behavior management, assessment, instructional methodology and lesson development in settings for typical and special needs children and adults. Students learn how to work with individuals and small groups while initiating larger group control. Students will complete 78-90 hours of supervised placement on the designated days and times as noted upon course registration. (Prerequisites: HMNS 1010, 2060 or 2070, 1220) Grades of C or better required for Human Services program students.

HMNS 2340 - Field Experience Seminar II-Social Work and Gerontology
(3 Credits)
This course involves students in a setting and seminar to refine their intake and communication skills (both written and verbal) and to develop basic tools for client advocacy, assessment and intervention. Students learn intermediate level strategies for meeting physical, social-emotional and cognitive needs of clients in agency and community settings. Students demonstrate an increasing awareness of ethical issues including confidentiality, dual relationships and countertransference. Students will complete 78-90 hours of supervised placement on the designated days and times as noted upon course registration. (Prerequisites: HMNS 1010, 2200, 1200) Grades of C or better required for Human Services program students.)

HMNS 2360 - Field Experience Seminar II-Mental Health/Substance Abuse
(3 Credits)
This course places student in a mental health or substance abuse setting. Through a combination of field experience and seminar, students refine their intake assessment, prevention and intervention skills in ways that allow them to begin taking a more active role in meeting the needs of clients in mental health and substance abuse settings. Students will complete 78-90 hours of supervised placement on the designated days and times as noted upon course registration. (Prerequisites: HMNS 1010, 2200, 1200) Grades of C or better required for Human Services program students.

HMNS 2410 - Field Experience Seminar III-Child Development
(3 Credits)
This course provides a school or community based-placement (as arranged by the instructor) and seminar to assist students in advanced refinement of caregiving and teaching skills and for the delivery of developmentally appropriate curriculum and assessment that meets the individual and group needs of children from birth to age eight. This competency-based progression culminates in students' taking an active role within their placement site.
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as they prepare to enter the workforce. Students complete their professional portfolio. (Prerequisites: HMNS 1010, 1210, 2100, 2120, 2310) Grades of C or better required for Human Services program students.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 2420</td>
<td>Field Experience Seminar III-Education/Special Needs</td>
<td>3</td>
<td>This course places students in a school or community-based placement (as arranged by the instructor) and a field setting and seminar to assist students in further developing and refining instructional techniques, behavioral strategies and lesson development and implementation for individual, small and large groups of typical and special needs students of all ages. The construction and presentation of lesson plans that include instructional objectives and learning outcomes are achieved in accordance with the RI Teacher Preparation Standards. Students should be able to demonstrate a teaching style that promotes the physical, intellectual, language, social and emotional development of students. Students will complete 78-90 hours of supervised placement on the designated days and times as noted upon course registration. (Prerequisites: HMNS 1010, 2060 or 2070, 1220, 2320) Grades of C or better required for Human Services program students.</td>
</tr>
<tr>
<td>HMNS 2440</td>
<td>Field Experience Seminar III-Social Work and Gerontology</td>
<td>3</td>
<td>This course provides a field location and seminar where students are expected to utilize advanced skills and clinical supervision acquired thus far to demonstrate increased ability to assess, plan and perform independently in response to clients serviced in social work and gerontology settings. Students will complete 78-90 hours of supervised placement on the designated days and times as noted upon course registration. (Prerequisites: HMNS 1010, 1200, 2200, 2340) Grades of C or better required for Human Services program students.</td>
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<tr>
<td>HMNS 2460</td>
<td>Field Experience Seminar III-Mental Health and Substance Abuse</td>
<td>3</td>
<td>This course provides a field location where students are expected to demonstrate refined skills and an increased ability to operationalize knowledge gained thus far in their program to meet the physical, emotional, cognitive and clinical needs of clients served by mental health and substance abuse service providers. Students demonstrate an increased ability to assess, plan and perform independently in mental health and substance abuse settings. (Prerequisites: HMNS 1010, 1200, 2200, 2360) Grades of C or better required for Human Services program students.</td>
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<tr>
<td>HMNS 2515</td>
<td>Major Health Issues for the Elderly: Implications for Human Services</td>
<td>3</td>
<td>Major Health Issues for the Elderly: Implications for Human Services is a course that provides general information regarding health issues surrounding the aging and elderly to include Alzheimer’s and Dementia related diseases, Parkinson’s disease, incontinence, cancer, heart disease, arthritis, vision and eye diseases, diabetes, sleep disorders, depression, hearing loss, osteoporosis and lung disease. Students will explore, discuss and reflect on the most common health concerns affecting the aging and elderly as it relates and affects the human service worker as the helping professional. Implications will be examined and discussed for supporting health, safety, wellbeing, independent living, caregiver support and the role of the human service worker as part of a multidisciplinary collaborative approach in preparation for working with this population. Note Grade of “C” or better is required for Human Service program students (Prerequisites: HMNS 1010 and HMNS 1090. Lecture: 3 Hours)</td>
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<tr>
<td>HMNS 2520</td>
<td>Social and Psychosocial Characteristics of Aging</td>
<td>3</td>
<td>Social and Psychosocial Characteristics of Aging provides competency-based approach to understanding the social and psychological characteristics and effects of aging. Students will examine theorist perspectives on aging and gain insight into the implications of living longer as myths of aging are dispelled, and realities are discussed. Special emphasis is placed on social and political issues, global trends, cross-cultural view of Elder’s roles, and quality of life experiences. Additional focus will be paid to special populations to include grandparents as second time parents, women, and veterans. Students will demonstrate competencies in understanding ethical human services approaches regarding critical and relevant issues such as how aging and older adults are studied, social and psychological challenges with aging, independent living and social interactions, death and dying, and social supports. Note Grade of “C” or better is required for Human Service program students (Prerequisites: HMNS 1010 and HMNS 1090. Lecture: 3 Hours)</td>
</tr>
<tr>
<td>HMNS 2530</td>
<td>Legal &amp; Financial Literacy Human Service Resource</td>
<td>3</td>
<td>Legal and Financial Literacy: Human Service Resource is designed to introduce students to legal and financial literacy supports that are in place to strengthen advocacy practices. Students will explore common concerns, discuss and dispel myths, while examining best practices for identifying and accessing legal and financial services in support of the elderly client. Relevant discussions surrounding healthcare expenditures for older adults, Medicare, Medicaid, Certified Elder Law Attorney (CELA), durable power of attorney, assets, trusts, guardianship, timing and satisfaction of retirement, the older employed economic status and asset awareness. Note Grade of “C” or better is required for Human Service program students (Prerequisite: HMNS 1010) Lecture: 3 Hours</td>
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</tbody>
</table>
### HMNS 2540 - Human Services Advocacy for Aging and Elderly
(3 Credits)
Human Services Advocacy for Aging and Elderly focuses on the role of the human service worker in coordinating and collaborating multidisciplinary and interdisciplinary approaches to advocating best ethical practices for the aging and elderly client. Students will examine case studies to identify and discuss challenges and barriers often experienced by the older adult. Note Grade of “C” or better is required for Human Services program students.

### HMNS 2560 - Healthy and Successful Aging
(3 Credits)
Healthy and Successful Aging provides a competency-based learning approach to healthy practices for successful aging. Students will identify and explore current best practices in successful aging to include latest research in nutrition, exercise, safety, and high levels of social connection. Other key factors examined include proactive legal and good economic practices, the coordination of good health, and examples in effective medication-monitoring practices. Note Grade of “C” or better is required for Human Service program students (Prerequisites: HMNS 1010, HMNS 2200). Lecture: 3 Hours

### HMNS 2590 - Service Practicum in Gerontology
(3 Credits)
Students will develop and refine observation, communication, working relations, presentation, writing, and service skills appropriate for entry-level placement in a gerontology service agency. Students will complete a minimum of 50 hours of volunteer service 25 hours in direct care, 25 in non-direct care within the gerontology community of agencies. Students are required to have a BCI (Bureau of Criminal Investigation) background check and should be up to date with immunizations. Note: Grade of “C” or better is required for Human Service program students (Prerequisite: HMNS 1010, HMNS 2200) Lecture: 3 Hours

### HMNS 2710 - Diversity and Cultural Competency Skills
(3 Credits)
This course provides students with an awareness of the historical, cultural, socio-economic, biological and psychosocial influences that define diversity. Students learn skills critical to becoming culturally competent and sensitive to diversity. Students develop core competencies to communicate more effectively with diverse populations, to foster inclusive attitudes in the classroom and to work more effectively toward the elimination of racism and other forms of discrimination in public education and social service delivery systems. A 20-hour practicum is required to meet the artifact requirement for education majors planning to transfer. (Corequisite: HMNS 2060 or 2070 or permission of instructor) Grade of C or better is required for Human Services program students. Lecture: 3 hours

### HMNS 2900 - Human Services Capstone
(3 Credits)
The Human Services Capstone course allows students to review, integrate and apply the knowledge and skills acquired over the course of their pursuit of the associate’s degree to situations and challenges common to the Human Services field. Students will engage in critical thinking and analytical activities that will challenge them to review and expand upon their current knowledge base. This course will review the similarities and differences in the methods and theories generic to the various Human Service Fields (e.g., Education, Special Education, Social Work, Mental Health, Gerontology, Substance Abuse, etc.). Students will take Human Services Capstone in their final semester of study and/or close to graduation. The Hybrid version of this course will require 2-3 on campus meetings. Grade of C or better is required for Human Services program students. (Prerequisite: Early Childhood majors: 1210, 2310 and enrollment in or completion of 2410. Education/Special Education: 1220, 2320 and enrollment in or completion of 2420. Social Work/Gerontology: 1200, 2340 and enrollment in or completion of 2440. Mental Health/Substance Abuse: 1200, 2360 and enrollment in or completion of 2460.)

### HOSP (Hospitality)

#### HOSP 1010 - Lodging Management I
(3 Credits)
This course introduces the student to an overview of the lodging management industry, including the organization of guest services and hospitality careers, as well as front office cycle and housekeeping operations. Lecture: 3 hours

#### HOSP 1020 - Lodging Management II
(3 Credits)
This course builds on the concepts and principles presented in the Level 1 course and includes the areas of leadership/management, hospitality marketing and sales and the food and beverage service industry. (Prerequisite: HOSP 1010) Lecture: 3 hours
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HSTO (Histotechnician)

HSTO 1310 - Introduction to Histology
(3 Credits)
Students are introduced to the procedures involved in the initial accessioning, evaluation, processing and slide preparation of various surgical and autopsy specimens. Additional topics such as safety/infection control and instrumentation are included. (Prerequisite: Enrollment in Histotechnology Program)

HSTO 1320 - Histotechnology II
(6 Credits)
This course explores the principles and techniques associated with routine histological procedures as well as laboratory mathematics. The histology laboratory prepares tissues from surgical procedures and autopsies for microscopic examination by a pathologist. This course provides students with an opportunity to develop entry-level skills under the supervision of a licensed histotechnician, in a clinical setting. Skills are obtained through observation and performance of basic histological procedures. Students will also attend lecture to provide the opportunity to integrate theory and practice to various clinical scenarios. Lecture: 3 hours, Clinical: 120 hours (Prerequisite: HSTO 1310)

HSTO 2310 - Histotechnology III
(9 Credits)
This course provides practical application of principles and techniques of histological practice. The clinical setting provides realistic conditions under which a histotechnician functions and allows students to refine those skills acquired in Histology II. Students are introduced to the procedures involved in the embedding, cutting H&E staining and evaluation of various surgical and autopsy specimens. Students will also experience special stains for various tissue components including connective tissues, Amyloid and Carbohydrates. (Prerequisite: HSTO 1320)

HSTO 2320 - Histotechnology IV
(12 Credits)
This course provides practical application of principles and techniques of advanced histological procedures. The clinical setting provides realistic conditions under which a histotechnician functions and allows students to refine skills acquired in Histology III. Students will refine skills in embedding, cutting tissue sections, H&E staining and evaluation of various surgical and autopsy specimens. Students experience special stains for pigments, minerals, microorganisms and Neuropathology. Students are introduced to the special procedures such as Immunohistochemistry, Enzyme Histochemistry and Electron Microscopy. (Prerequisite: HSTO 2310)

HSTO 2330 - Histology Seminar
(2 Credits)
This course provides students with an extensive review, as well as assistance in the preparation of a portfolio. Guest lecturers discuss advanced topics in histology and professional issues. (Corequisite: HSTO 2320)

INST (INST - Process Control Tech.)

INST 1010 - Introduction to Instrumentation Technology
(3 Credits)
This course stresses the theory and practical application of mechanical and electrical sensing devices and control systems. Topics covered include sensing and control devices for temperature, humidity, pressure, level and flow. In addition, calibration procedures are covered. Lecture: 2 hours, Lab: 2 hours

INTC (INTC - Health Care Interpreter)

INTC 1300 - Health Care Interpreter I
(7 Credits)
This course prepares students who are bilingual to develop awareness, knowledge, and skills necessary for effective language interpretation in health care settings. Emphasis includes the roles and responsibilities of a health care interpreter, basic knowledge of common medical conditions, treatments and procedures, insight in language and cultural nuances for specific communities necessary in the art of interpretation. Field work experiences will provide opportunities for students to observe a competent health care interpreter. Lecture: 6 hours, Clinical: 3 hours
### INTC 1310 - Interpreting in Health Care II
(8 Credits)
This course prepares individuals who are bilingual to become integral members of the health care team by bridging the language and cultural gap between clients and providers; this is a critical aspect of health care. Interpreting skills learned in INTC 1300 are further enhanced, covering specialized health care service areas such as genetics, mental health, and death and dying. Emphasis is also placed on the development of cultural competency in the community and workplace, and careers in interpretation. Field work experience is included to enable students the opportunity to demonstrate application of knowledge and technical interpreting skills to facilitate linguistic and cultural communication between client and health care providers. (Prerequisite: INTC 1300). Lecture: 6 hours, Clinical: 6 hours

### ITAL (Italian)

#### ITAL 1000 - Basic Spoken Italian I
(3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

#### ITAL 1010 - Elementary Italian I
(3 Credits)
This course covers elements of the Italian language for beginning students who have had little or no preparation. Conversation, pronunciation, reading, writing and grammar are covered. Aspects of Italian culture are included in the course. Lecture: 5 hours

#### ITAL 1020 - Elementary Italian II
(3 Credits)
This is a continuation of Elementary Italian I (ITAL 1010). (Prerequisite: ITAL 1010, ITAL 1030 or its equivalent) Lecture: 5 hours

#### ITAL 1030 - Elementary Italian I
(3 Credits)
Italian 1030 is a faster paced version of Italian 1010. This course is suitable for students with previous experience i.e. Basic spoken Italian and /or other prior formal study of the language, prior formal study of another foreign language, or informal experience with a foreign language. The course covers elements of the language including: conversation, pronunciation, reading, writing, and grammar. Aspects of Italian-speaking cultures are also included. Note: Course content is the same as Italian 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor). Lecture: 3 hours

#### ITAL 1040 - Elementary Italian II
(3 Credits)
This is a continuation of Elementary Italian I (ITAL 1030). (Prerequisite: ITAL 1030, ITAL 1010 or its equivalent) Lecture: 3 hours

#### ITAL 1510 - Conversational Italian I
(3 Credits)
This is a course to further develop students' fluency in speaking Italian. Oral practice includes active use of the language in short dialogues stressing basic communication and correct pronunciation. Reading of easy cultural texts also provides material for conversation and discussion. (Prerequisite: Two years of high school Italian or one year of college Italian or the equivalent). Lecture: 3 hours

#### ITAL 1900 - The Italian Heritage
(3 Credits)
This course introduces students to the cultural development of the Italian people through the centuries. Guest lecturers and class discussion center on significant aspects of Italian literary, social and artistic life as they have contributed to Western Civilization. Audio-visual aids present the lives and works of great figures and are used for appreciation of Italian art, music, food and wine. Italian films viewed in class are a backdrop for discussing the Italian cinema. The history and cultural contributions of Italian-Americans are also included from the discovery of America to mass immigration to present times. Note: The course is conducted in English. Lecture: 3 hours
### ITAL 1910 - Italian Culture-Cuisine
*(1 Credit)*

The Italian Culture-Cuisine course offers students the opportunity to participate in the CCRI Summer Travel/Study Program in Italy; to enhance their educational, professional, and personal growth through a multidisciplinary approach to learning and a complete immersion in the Italian language and culture. The course combines linguistic, artistic, historical, and literary traditions and hands-on workshops of the rich culinary traditions of Central Italy and other regions of Italy. Lecture: 6 hours, Lab: 9 hours (2 weeks)

### ITAL 1950 - Italian for Business and Travel
*(1 Credit)*

This course is designed particularly for employees of travel agencies, those in wholesale/retail or import/export businesses and those individuals who are planning a cultural trip to Italy. The course is tailored to the needs of the individual who wants to gain knowledge and appreciation of the Italian language and culture expediently. Emphasis is placed on common verbal expressions for basic communication, such as greetings, lodging, shopping, food, transportation and cultural information about Italian customs and traditions. (Lecture: 1 hour)

### ITAL 2010 - Intermediate Italian I
*(3 Credits)*

This course helps students develop skill in reading and discussing Italian texts related to culture and literature. It is supplemented by further work in grammar, conversation and composition. (Prerequisite: ITAL 1020 or 1040 or its equivalent. Prior preparation as noted above or permission of instructor.) Lecture: 3 hours

### ITAL 2020 - Intermediate Italian II
*(3 Credits)*

This is a continuation of Intermediate Italian I (ITAL 2010). (Prerequisite: ITAL 2010 or its equivalent. Prior preparation as noted above or permission of instructor.) Lecture: 3 hours

### ITAL 2210 - Italian Conversation and Composition I
*(3 Credits)*

This is an intensive course in conversation and composition. Selected cultural videos, CDs, readings and classroom discussions provide an atmosphere to develop and improve speaking and understanding of Italian. Oral presentations and written compositions are required. (Prerequisite: ITAL 2010 or permission of instructor) Lecture: 3 hours

### ITAL 2220 - Italian Conversation and Composition II
*(3 Credits)*

This course is a continuation of Italian Conversation and Composition I (ITAL 2210). (Prerequisite: ITAL 2210 or permission of instructor) Lecture: 3 hours

### JAPN (Japanese)

### JAPN 1000 - Basic Spoken Japanese I
*(3 Credits)*

This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

### JAPN 1100 - Basic Spoken Japanese II
*(3 Credits)*

This is a continuation of Basic Spoken Japanese I (JAPN 1000). (Prerequisite: JAPN 1000 or equivalent) Lecture: 3 hours
### LAWS (Law)

#### LAWS 1000 - Introduction to Law Enforcement
(3 Credits)
This course examines the history and philosophy of the role of police in society. It surveys organizational structures and basic procedures of police work, police ethics and major problems confronting the law enforcement profession. Students examine international, federal, state and local law enforcement agencies, identifying the origin, jurisdiction, mission and functions of each. Lecture: 3 hours

#### LAWS 1010 - Criminal Law
(3 Credits)
This course is a study of crimes from early English common law to modern American criminal law including common law and statutory offenses. Criminal intent, criminal act and causation are thoroughly analyzed. General definitions of crimes, classifications of crimes, parties to crimes and common defenses such as insanity and self-defense are considered. Lecture: 3 hours

#### LAWS 1020 - Criminal Procedure
(3 Credits)
This course presents an overview of the criminal justice system, including an examination of the organization and jurisdiction of federal, state and local courts and law enforcement agencies. The arrest, arraignment, plea, preliminary hearing, bail, grand and petit jury proceedings, verdict, sentence and petitions for new trial are studied together with the jurisdiction of the courts on all levels. Lecture: 3 hours

#### LAWS 1030 - Criminalistics I
(3 Credits)
This course surveys basic crime scene investigation methods. Topics include first responder duties, evidence collection and processing, photography, impression evidence, blood analysis, trace evidence, arson investigation and casting methods for impression evidence. Students complete projects involving plaster casting and crime scene sketching. A mock crime scene investigation is conducted. Lab fee required. Lecture: 3 hours - Lab Fee: $20

#### LAWS 1040 - Criminalistics II
(3 Credits)
This course is an advanced study of criminalistics. Topics include the investigation of specific crimes (sexual assault, homicide, burglary and auto theft); alcohol and drug detection; firearms investigations; advanced latent fingerprint techniques; and forensic entomology. Lab fee required. (Prerequisite: LAWS 1030) Lecture: 3 hours - Lab Fee: $20

#### LAWS 1080 - Introduction to Paralegal Studies
(3 Credits)
This course is designed to provide an overview of the functions of paralegals/legal assistants within the legal environment. It will also include material on the organization and structure of law firms, legal ethics, various types of legal practice and use of computers in the legal environment. Background material on federal and state constitutional law, statutory law and court decisions is provided as a foundation for other law courses required in the Paralegal Studies Program. Lecture: 3 hours

#### LAWS 2000 - Constitutional Law
(3 Credits)
This class presents a view of the role of the Supreme Court in its interpretation of the United States Constitution. Areas to be scrutinized include judicial review, federalism, civil liberties and the Bill of Rights (through the 14th Amendment) as it applies to the states. Case and text method. Lecture: 3 hours

#### LAWS 2010 - Law of Evidence
(3 Credits)
This course is a study of the body of rules governing the admissibility of evidence at trial. The nature of evidence; circumstantial and direct evidence; testimonial, documentary and real evidence; hearsay and the exceptions thereto; the presentation of evidence and the rules on relevancy; and lastly, competency, credibility and impeachment of witnesses are examined. Lecture: 3 hours
LAWS 2020 - Basic Civil Procedures for Paralegals
(3 Credits)
This course introduces the legal concepts and practical applications of civil litigation using the rules of civil procedure as applied in the federal and state court systems. The course will cover the court system; jurisdiction and venue; pleadings (complaints, answers, counterclaims and cross-claims); and discovery documents (interrogatories, depositions and requests for production). (Prerequisite: LAWS 1020 and LAWS 1080 or permission of instructor) Lecture: 3 hours

LAWS 2030 - Criminal Law and the Constitution
(3 Credits)
This course presents a consideration and analysis of the most significant and recent Supreme Court decisions as they pertain to the rights of the accused in the areas of arrest, search and seizure, interrogation and right to assistance of counsel. Case and text method. Lecture: 3 hours

LAWS 2040 - Law and Society
(3 Credits)
This course studies adjudicated cases involving the leading social issues affecting society today and the impact such adjudications have had upon society. Stress is placed upon the relationship of law to social values and morals. The delicate balance between the interests of society and individual rights is scrutinized and the students' views as to the maintenance of the balance is evaluated in the light of the cases studied. Lecture: 3 hours

LAWS 2050 - Law of Contracts
(3 Credits)
This course studies the legal rules, concepts and terminology relating to voluntary agreements entered into for the provision of services or the sale of property. The areas included are agreement, consideration, contractual capacity, legality, genuineness of assent and legal form. Lecture: 3 hours

LAWS 2060 - The Law of Property, Estates and Trusts
(3 Credits)
This course studies the laws of real property, personal property and decedent's estates. Topics to be covered include definitions of real and personal property; the ownership and transfer of real estate (concurrent ownership, deeds, mortgages and leases); and the areas of gifts, wills, inheritance laws, probate and trusts. Lecture: 3 hours

LAWS 2070 - Law of Business Organization
(3 Credits)
This course covers the law of agency (principal-agent relationships and independent contractors), federal and state employment law and the law regarding legal forms of business (sole proprietorships, partnerships of various kinds, corporations and limited liability companies). Lecture: 3 hours

LAWS 2090 - Legal Research and Writing
(4 Credits)
This course for Paralegal Studies majors covers legal research using primary sources (statutes, court decisions, and regulations); case digests and finding aids; secondary legal sources (encyclopedias, treatises and annotations); and citators (Shepard's Citations and WestLaw's KeyCite). Emphasis is on legal research using computer-assisted legal research (CALR) tools. Students are expected to complete a full legal research project and write a legal memorandum. (Prerequisites: Laws 1080 and 24 credit hours earned or permission of instructor) Lecture: 4 hours - Lab Fee: $20

LAWS 2100 - Law of Torts
(3 Credits)
Law of Torts involves the study of civil wrongs that result in personal injury, property damage or economic injuries. This course deals with areas of negligence, intentional torts and strict liability torts. It will also cover topics of professional malpractice, products liability and premises liability. (Prerequisite: LAWS 1020 or LAWS 1080 or permission of instructor) Lecture 3 hours

LAWS 2500 - Case Studies in Criminal Law
(3 Credits)
This capstone course in the Law Enforcement program will integrate the material covered in prior classes in the areas of substantive criminal law, criminal procedural law, crime scene investigation, evidentiary law and constitutional law related to law enforcement. Students will work on and write reports on two case studies based upon comprehensive case files. These case files will include documents that would be involved in an actual criminal case such as bills of indictment, police reports, witness statements, forensic reports, search warrant affidavits and inventories, transcripts of court hearings involving the case and the substantive criminal laws that may apply to the facts of the case. (Prerequisites: LAWS 1010, 1020, 1030, 2010 and 2030 or permission of instructor) Lecture: 3 hours
## LEGL (Legal Office Administration)

### LEGL 2310 - Legal Forms and Terminology
(2 Credits)
This course studies forms used by attorneys in legal and business transactions. An explanation of the origin and use of the forms introduces terminology in which the legal assistant should be versed. Discussions and simulations revolve around legal terms in the context of a variety of legal documents such as complaints, motions, stipulations and contracts. Lecture: 2 hours - Lab Fee: $20

### LEGL 2420 - Legal Office Administration
(2 Credits)
This course prepares students to work as legal administrative assistants in a variety of law office environments. Procedures followed by attorneys in various specialties of the law are covered including litigation, real estate law, criminal law, wills and estates and many other areas of the law. Students also become familiar with the court system. Lecture: 2 hours - Lab Fee: $20

## LIBA (Liberal Arts)

### LIBA 1000 - The Learner's Journey: Critical Thinking and Learning Strategies for College
(3 Credits)
This fully transferable, seminar-style course has been designed to help students maximize their effectiveness in the classroom, and, in turn, enhance their entire college experience. In The Learner's Journey, students develop their critical thinking, reading and writing skills; acquire valuable strategies for analyzing course content and for expressing themselves more confidently and effectively; improve their writing, presentation, collaboration and research skills; and learn to make connections between courses in different disciplines. Through readings, discussions and active participation, students take ownership of their education and find their voices as learners in a higher education environment.

### LIBA 1010 - Cooperative Work Experience I
(4 Credits)
Cooperative work experience provides students with an opportunity to observe and participate in a work environment related to their academic interests or explore advancement in their current career. Students work approximately 15-20 hours a week at an approved site and participate in an on-line seminar or a one-hour and 40-minute weekly seminar on campus. (Note: Students must contact the Career and Internship Office at 401-825-2327 or 401-333-7326 before they register. LIBA 1010 for Allied Health, Chemical Technology, Computer Science, Engineering, Fine Arts, Fire Science, General Studies, Human Service, Liberal Arts, Paralegal Studies and Law Enforcement) Work placement: 195 hours; Seminar: 25 hours.

### LIBA 1020 - Cooperative Work Experience II
(4 Credits)
This is an extension of LIBA 1010 in which students develop an in-depth knowledge of specific content areas and demonstrate increased levels of expertise. Students work approximately 15 to 20 hours a week at an approved site and participate in a one-hour and 40-minute weekly seminar on campus or online. For information regarding prerequisites, please contact the Career and Internship Office at 401-825-2327 or 401-333-7326. Note: LIBA 1020 is for students in Allied Health, Chemical Technology, Computer Science, Engineering, Fine Arts, Fire Science, General Studies, Human Service, Industrial Technology, Liberal Arts, Nursing, Paralegal Studies and Law Enforcement. Work placement: 195 hours; Seminar: 25 hours.

### LIBA 2030 - Honors Colloquium
(3 Credits)
This Honors Colloquium is a discussion-based, research-oriented, multidisciplinary course in which students pursue individual topics of relevance to today’s society under the guidance of faculty. The curriculum, which follows the Phi Theta Kappa Honors Program, includes guest speakers and multimedia presentation in addition to lecture and discussion. The study topic will change every two years. Prerequisite: ENGL 1010 with a grade of C or better. Lecture: 3 hours

## LRCT (Library)

### LRCT 1010 - Introduction to College Research
(1 Credit)
This course will introduce students to online strategies for locating and evaluating articles, books, and Web resources. Students will learn to cite their sources according to standard scholarly formats.
Community College of Rhode Island

LRCT 1015 - College Research
(3 Credits)
College Research will expand the student’s knowledge of various types and formats of information resources. Students will learn information literacy skills including advanced search techniques and evaluation of resources. Students will also gain a greater understanding of issues associated with the ethical use of information. Students will demonstrate the application of learned skills in research for class assignments, as well as for personal and professional research needs. Lecture: 3 hours

LRCT 1020 - College Success
(3 Credits)
This course will give new students practical tips and strategies that will help them succeed in college. Emphasis is on attitude, study habits, time and stress management. In a setting of active and collaborative learning, students are engaged in a variety of instructional experiences, including discussions with reading, speaking, writing and listening assignments. The course will require the creation of a personal success plan that will include educational and career goals and will introduce and make use of the college's resources and personnel.

MATH (Mathematics)

MATH (MATHEMATICS)

Math Placement Test
Math placement tests are required of all students who wish to enroll in their first math course at CCRI. Students are required to take the placement test either before or at the beginning of the semester in which they wish to take their first math course. Students who are not enrolled in a math course but want to plan for the future are encouraged to take the placement test during the semester prior to enrolling in a math course.

Placement test preparation assistance is available here.

Note: Developmental math courses are designed to build/refresh basic mathematical skills which provide the necessary background for college-level mathematics courses. All students must demonstrate mental calculation skills and mastery of course content to complete the courses successfully.

College-level math courses require the use of mental calculation skills since each course builds upon the material learned in the prerequisite courses.

Students with a documented disability should meet with a representative from the Office of Disability Services for Students. CCRI will make modifications to academic requirements where appropriate and provide the necessary accommodations to ensure accessibility. The institution cannot, however, make modifications that would substantially change the essential elements of the curriculum. While striving to meet the individual needs of all students, CCRI reserves the right to set and maintain academic standards for performance and personal conduct.

SEQUENCES OF CCRI MATH COURSES

Math Pathways
Here are links to grids of our math courses for Fall 2018:

Math Course Flow Chart

Math Course Flow Chart for STEM

Picking the right math courses to start your academic career at CCRI can help you move more quickly towards graduating, transferring, or moving into a career.

If you’re interested in a career or transfer program use this page to help choose your path.

In-house Credit
In-house credits are counted for full- and part-time status and for reasons of financial aid and academic progress. They are not counted in overall GPA, do not count toward any degree or certificate and will appear on student transcripts as “exclude credit.”

IMPORTANT INFORMATION

Preparation
Prerequisites for each course are fulfilled only by a grade of C or better or by a sufficient placement test score. The Math Department strongly recommends courses and their prerequisites be taken sequentially in consecutive sessions.
MATH 0200C - Support for College Algebra
(2 Credits)
This course provides active support for students taking Math 1200C through the use of a just in time remediation approach. Students in this class will also be taking Math 1200C with the same instructor concurrently. The additional two hours per week allows for time to practice what has been learned in Math 1200C and it allows for more question and answer sessions. Instructors may use the class time for supplementary instruction, group work or one on one support. (Note: Grades in MATH 0200C will be assigned on a Pass/Fail basis. Corequisite: MATH 1200C). Lecture: 2 hours.

MATH 0239C - Support for Liberal Arts Math
(2 Credits)
This course provides active support for students taking Math 1139C through the use of a just in time remediation approach. Students in this class will also be taking Math 1139C with the same instructor concurrently. The additional two hours per week is used to review and develop key mathematical skills necessary to fully succeed in Math 1139C. (Note: Grades in MATH 0239C will be assigned on a Pass/Fail basis. Corequisite: MATH 1139C). Lecture: 2 hours.

MATH 0275C - Support for Statistics for the Health and Social Sciences
(2 Credits)
This course provides active support for students taking Math 1175C through the use of a just in time remediation approach. Students in this class will also be taking Math 1175C with the same instructor concurrently. The additional two hours per week is used to review and develop key mathematical skills necessary to fully succeed in Math 1175C. (Note: Grades in MATH 0275C will be assigned on a Pass/Fail basis. Corequisite: MATH 1175C). Lecture: 2 hours.

MATH 1139C - Mathematics for Liberal Arts Students
(3 Credits)
This course deals with the fundamentals of logic, set theory, probability and statistics. Note: This course is only intended for students that have completed MATH 0099 and need co-requisite support. (Prerequisite: Math 0099 with a grade of C or better or placement into ACCUPLACER Grid 2. Corequisite: MATH 0239C.) Lecture: 3 hours.

MATH 1175C - Statistics for the Health and Social Sciences
(3 Credits)
Statistical procedures required for the analysis of data are explored using data acquired from such fields as medicine, social work, biology, education and business and employing statistical packages as a tool. Note: This course is only intended for students that have completed MATH 0099 and need co-requisite support. (Prerequisite: Placement in ACCUPLACER Grid 2 or MATH 0099 with a grade of C or better. Corequisite: MATH 0275C.) Lecture: 3 hours.

MATH 1200C - College Algebra
(3 Credits)
Designed for students who eventually plan to study quantitative business analysis or calculus, this course covers functions and graphs, systems of equations and inequalities, quadratic equations, polynomial and rational expressions, radical, exponential and logarithmic forms. (Prerequisite: Placement in ACCUPLACER Grid 3 or MATH 0100, with a grade of C or better. Corequisite: MATH 0200C). Lecture: 4 hours.

MATH 0095 - Developmental Mathematics Emporium
(4 Credits)
MATH 0095 is the course students enroll in if they wish to complete their developmental mathematics requirements in the emporium. Students will progress through course modules under the supervision of a faculty member. Students will be awarded credit for MATH 0099, MATH 0100 or MATH 0101 depending on how much progress the student makes in the emporium. (Prerequisites: Completion of, or concurrent enrollment in, ENGL 0850 earning a C or better; or, placement into ENGL 0890 or higher.) Emporium: 4 hours. - Bookstore Course Materials: $95

MATH 0099 - Early Foundations of College Mathematics
(4 Credits)
This course provides a thorough foundation in the topics of whole numbers, fractions, decimals, ratios and proportions, percentages, and measurement. This course also introduces the real number system, and the properties for solving linear equations and inequalities. Emporium students who complete the modules for Math 0099 may complete additional modules to earn credit for MATH 0100 or MATH 0101. Students who complete MATH 0099 are eligible to take Math 0100, Math 1005, 1025, 1139C/0239C and 1175C/0275C. (Prerequisite: Placement in ACCUPLACER Grid 0 and Completion of, or concurrent enrollment in, ENGL 0850 earning a C or better; or, placement into ENGL 0890 or higher). Lecture or Emporium: 4 hours - Bookstore Course Materials: $95
MATH 0100 - Foundations of College Mathematics  
(4 Credits)  
This course provides a thorough foundation in the topics of whole numbers, fractions, decimals, ratios and proportions, percentages, and measurement. This course also introduces the real number system, the properties for solving linear equations and inequalities, the rearrangement of formulas, the rectangular coordinate system, and the graphs of linear equations in two variables as well as an introduction to basic probability and statistics. Non-STEM students who master this course are encouraged to enroll in MATH 1139 or MATH 1175. STEM students who master this course are encouraged to enroll in MATH 1200C with the corequisite, 0200C. (Prerequisite: Placement in ACCUPLACER Grid 1 or MATH 0099 with a grade of C or better and Completion of, or concurrent enrollment in, ENGL 0850 earning a C or better; or, placement into ENGL 0890 or higher). Lecture or Emporium: 4 hours. - Bookstore Course Materials: $95

MATH 0101 - Foundations of College Algebra  
(4 Credits)  
This modular emporium course contains additional modules beyond those required for MATH 0099 and MATH 0100. This course serves as a remedial prerequisite to MATH 1200 and MATH 1179. Topics include the properties of exponents, and an introduction to polynomials, factoring, quadratic equations, rational expressions, rational equations, and application problems. (Prerequisite: Placement in ACCUPLACER Grid 2 or MATH 0100 with a grade of C or better and Completion of, or concurrent enrollment in, ENGL 0850 earning a C or better; or, placement into ENGL 0890 or higher). Emporium: 4 hours. - Bookstore Course Materials: $95

MATH 1005 - Business Mathematics  
(3 Credits)  
The application of elementary mathematics to business and retail situations is discussed. Topics include bank services, taxes, simple interest, compound interest, commercial discounts, markup and markdown. (Prerequisite: Placement in ACCUPLACER Grid 2 or MATH 0099 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1600.

MATH 1015 - Mathematics of Finance  
(3 Credits)  
This course studies in depth the topics of simple interest, bank discount, compound interest and annuities, including amortization and sinking funds. (Prerequisite: Placement in ACCUPLACER Grid 3 or MATH 0100 with a grade of C or better or MATH 1005 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1620.

MATH 1025 - Introduction to College Mathematics  
(3 Credits)  
Covering the development of the real number system and the fundamental concepts of algebra and geometry, this course is suitable for prospective elementary school teachers or anyone desiring an introduction to college mathematics. (Prerequisite: Placement in ACCUPLACER Grid 2 or MATH 0099 with a grade of C or better.) Lecture: 3 hours. Formerly MATH 1420.

MATH 1138 - Topics in Mathematics  
(3 Credits)  
This course is designed primarily for the Liberal Arts student who does not plan to pursue any continuing mathematics program. Each semester, different sections focus on different topics and are announced in the online course listing published each semester. The depth of the material is similar to that of MATH 1139. Note: This course may be repeated for credit with a change of topic. (Prerequisite: MATH 1139 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1470.

MATH 1139 - Mathematics for Liberal Arts Students  
(3 Credits)  
This course deals with the fundamentals of logic, set theory, probability and statistics. (Prerequisite: Placement in ACCUPLACER Grid 3 or MATH 0100 with a grade of C or better or MATH 1025 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1430.

MATH 1143 - Mathematics for Elementary School Teachers I  
(4 Credits)  
MATH 1143 is designed for students who plan to major in elementary education and ultimately become teachers in the PK-8 system. Topics will include sets, numbers and numeration, whole number computation, basic number theory, integers, fractions and rational numbers, decimals, and proportions. The focus in this class is on developing a deeper understanding as to why the operations in arithmetic work as they do, and using these operations to develop algorithms and models for use in problem solving. This class should not be seen as a simple review of foundational mathematics. Students will be expected to make reasoned and rigorous mathematical arguments with a strong emphasis on communicating mathematical ideas in written and verbal form. (Pre-requisite: Math 0100 with a grade of C or better.) Lecture: 4 hours
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Lecture Hours</th>
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<tr>
<td>MATH 1145</td>
<td>Development of the Number System</td>
<td>3</td>
<td>Topics covered in this course include ancient numeration systems; bases; modulo arithmetic; set theoretical and historical development of our number system including natural numbers; integers; rational, irrational, imaginary and complex numbers (with operations and computation within each system); groups and fields; and elementary number theory (basic proofs, divisibility rules, Pythagorean studies, Fermat and Mersenne numbers). Note: Recommended for future teachers. (Prerequisite: MATH 1139 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1450.</td>
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<tr>
<td>MATH 1155</td>
<td>History of Mathematics</td>
<td>3</td>
<td>This course traces the development of mathematical thought through history. Topics include mathematicians, primitive number systems and algorithms, early formulas for area and volume, proofs of theorems, pi, the golden ratio, the development of advanced mathematics, the computer, calculus, network theory and non-Euclidean geometries. Note: Recommended for future teachers. (Prerequisite: MATH 1139 with a grade of C or better or placement in ACCUPLACER Grid 4). Lecture: 3 hours. Formerly MATH 1472.</td>
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<tr>
<td>MATH 1175</td>
<td>Statistics for the Health and Social Sciences</td>
<td>3</td>
<td>Statistical procedures required for the analysis of data are explored using data acquired from such fields as medicine, social work, biology, education and business and employing statistical packages as a tool. (Prerequisite: Placement in ACCUPLACER Grid 3 or MATH 0100 with a grade of C or better or MATH 1025 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1475.</td>
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<tr>
<td>MATH 1179</td>
<td>Applied Technical Mathematics I</td>
<td>3</td>
<td>This course is the first semester of a two-semester sequence covering the essentials of applied technical mathematics. Topics include the basics of working with numerical data, plane and solid geometric shapes, an introduction to functions and their graphs, factoring, operations with algebraic fractions, quadratic equations with real roots, an introduction to the trigonometric functions of acute angles, solving problems involving right triangles, expressions involving rational exponents and base ten logarithms. (Prerequisite: Placement in ACCUPLACER Grid 3 or MATH 0101 with a grade of C or better). Lecture: 4 hours. Formerly MATH 1750.</td>
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<tr>
<td>MATH 1181</td>
<td>Applied Technical Mathematics II</td>
<td>3</td>
<td>This course is the second semester of a two-semester sequence covering the essentials of applied technical mathematics. Topics include graphing linear equations, solving systems of linear equations, using trigonometry to solve problems involving vectors, graphical analysis of waveforms, working with radical expressions, the complex numbers and their application to AC circuits, an introduction to statistics and some miscellaneous topics involving nonlinear equations. (Prerequisite: Placement in ACCUPLACER Grid 4 or MATH 1179 with a grade of C or better). Lecture: 4 hours. Formerly MATH 1760.</td>
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<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
<td>Designed for students who eventually plan to study quantitative business analysis or calculus, this course covers functions and graphs, systems of equations and inequalities, quadratic equations, polynomial and rational expressions, radical, exponential and logarithmic forms. (Prerequisite: Placement in ACCUPLACER Grid 4 or MATH 0101 with a grade of C or better). Lecture: 4 hours.</td>
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<td>MATH 1220</td>
<td>Scientific Programming</td>
<td>3</td>
<td>This course offers instruction in scientific programming using a current programming language. Problems, both numerical and non-numerical, are programmed and solved by use of a mainframe and/or personal computers. (Prerequisite: MATH 1200 or 1179 with a grade of C or better or placement in ACCUPLACER Grid 5). Lecture: 3 hours, Lab: 1 hour. Formerly MATH 1510.</td>
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<td>MATH 1240</td>
<td>Statistical Analysis I</td>
<td>3</td>
<td>An introduction to elementary statistics, this course covers methods used in the collection, presentation, analysis and interpretation of data. Topics include frequency distributions, measures of central tendency and dispersion and sampling, with emphasis on estimation and hypothesis testing. (Prerequisite: Placement in ACCUPLACER Grid 5 or MATH 1200 with a grade of C or better or MATH 1179 with a grade of C or better). Lecture: 4 hours. Formerly MATH 1550.</td>
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<tr>
<td>MATH 1241</td>
<td>Statistical Analysis II (3 Credits)</td>
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<td>This course includes a study of simple and multiple linear regression, curvilinear regression, correlation analysis, basic designs of experiments, analysis of variance and an introduction to the concepts of time series and index numbers. A statistical package is used in the development and application of topics. (Prerequisite: MATH 1240 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1560.</td>
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<td>MATH 2077</td>
<td>Quantitative Business Analysis I (3 Credits)</td>
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<td>The purpose of this course is to develop the quantitative methods needed to solve various problems in business and economics. Topics include functions and graphs, systems of linear equations, linear programming, matrices and determinants, logarithmic and exponential functions and the mathematics of finance. (Prerequisite: Placement in ACCUPLACER Grid 5 or MATH 1200 with a grade of C or better). Lecture: 3 hours. Formerly MATH 1670.</td>
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<td>MATH 2103</td>
<td>Applied Precalculus (3 Credits)</td>
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<td>MATH 2103 is intended for students in the life and social sciences, and any other areas where the application of mathematics is important. Students in this course will develop an understanding of functions and how they are used to model real world phenomena, including but not limited to change, motion and growth. The linear, quadratic, power, polynomial, rational, exponential, logarithmic, and periodic functions are studied in this course. Students will become familiar with algebraic, numerical and graphical properties of these functions. This course is not intended for students planning to study mathematics, statistics, computer science, physical sciences, engineering or any other discipline requiring the complete calculus sequence. MATH 2103 is not an alternative to MATH 2111 (Precalculus) and does not satisfy the requirement for MATH 2141 (Calculus I). (Prerequisite: Placement in ACCUPLACER Grid 6 or MATH 1200 with a grade of C or better). Lecture: 4 hours.</td>
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<td>MATH 2110</td>
<td>College Trigonometry (3 Credits)</td>
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<td>Designed for students who plan to study calculus eventually, this course deals with trigonometry from an analytical approach. Topics include relations and functions in general, the trigonometric functions and their inverses, graphs, solutions of triangles, vectors, trigonometric identities and equations, and applied problems. (Prerequisite: Placement in ACCUPLACER Grid 6 or MATH 1200 with a grade of C or better). Lecture: 4 hours. Formerly MATH 1210.</td>
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<td>MATH 2111</td>
<td>Pre-Calculus Mathematics (4 Credits)</td>
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<td>Functions and their graphs are discussed with particular attention paid to polynomial, rational, trigonometric, exponential and logarithmic functions. Determinants, matrices, complex numbers and analytic geometry are also studied. (Prerequisite: Placement in ACCUPLACER Grid 7 or MATH 2110 with a grade of C or better). Lecture: 4 hours. Formerly MATH 1900.</td>
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<td>MATH 2131</td>
<td>Applied Calculus (3 Credits)</td>
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<td>This course is intended for students in the life and social sciences who have taken Math 2103 . The differential and integral calculus are developed with an emphasis on solving real world problems in the sciences. Limits, derivatives and integrals of algebraic, logarithmic, exponential and trigonometric functions are studied. Applications will include analyzing graphs, finding maximum and minimum values of functions, calculating rates of change and computing areas and cumulative change. This course is not intended for students planning to study mathematics, statistics, computer science, physical sciences, engineering or any other discipline requiring the complete calculus sequence. MATH 2131 is not an alternative to MATH 2141 (Calculus I) and does not satisfy the prerequisite for MATH 2142 (Calculus II). (Prerequisite: Placement in ACCUPLACER Grid 8, MATH 2111 or MATH 2103 with a grade of C or better). Lecture: 4 hours.</td>
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<td>MATH 2138</td>
<td>Quantitative Business Analysis II (3 Credits)</td>
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<td>Differential and integral calculus are developed with special emphasis on practical applications to business and economics. (Prerequisite: MATH 2077 with a grade of C or better or placement in ACCUPLACER Grid 6). Lecture: 3 hours. Formerly MATH 1680.</td>
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<td>MATH 2141</td>
<td>Calculus I (4 Credits)</td>
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<td>Topics considered in this first course of differential and integral calculus include limits and continuity, first and higher-order derivatives with applications (including curve sketching), the differential and definite and indefinite integrals with applications (including areas and volumes). (Prerequisite: Placement in ACCUPLACER Grid 8 or MATH 2111 with a grade of C or better). Lecture: 4 hours. Formerly MATH 1910.</td>
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**MATH 2142 - Calculus II**  
(4 Credits)  
This course covers the calculus of logarithmic, exponential, trigonometric, inverse trigonometric and hyperbolic functions. Some methods of integration are covered, including integration by parts and numerical methods. L'Hospital's rule, improper integrals, infinite series and the calculus in polar coordinates also are introduced. (Prerequisite: MATH 2141 with a grade of C or better). Lecture: 4 hours. Formerly MATH 1920.

**MATH 2243 - Calculus III**  
(4 Credits)  
This course covers the calculus of three-dimensional space, including partial derivatives, multiple integrals and the calculus of vector-valued functions. (Prerequisite: MATH 2142 with a grade of C or better). Lecture: 4 hours. Formerly MATH 2910.

**MATH 2362 - Advanced Engineering Mathematics**  
(4 Credits)  
This course covers first-order ordinary differential equations, second-order linear differential equations, Laplace transforms and power series solutions. A unit on applied linear algebra is also included. (Prerequisite: MATH 2243 with a grade of C or better). Lecture: 4 hours. Formerly MATH 2990.

**MEDL (Medical Office Administration)**

**MEDL 2350 - Medical Terminology**  
(2 Credits)  
This course introduces medical, diagnostic, symptomatic and surgical terms. Literal definitions and spelling are stressed. Lecture: 2 hours

**MEDL 2360 - Medical Document Processing**  
(2 Credits)  
This course acquaints the medical administrative secretaries/assistants with formatting and editing skills needed for processing medical documents that are commonly part of their work environment. A job simulation project is the basis for these applications and is completed using Microsoft Word. Students continue to develop their keyboarding speed and accuracy. The keyboarding speed needed to pass this course is 30-55 wpm.  
(Prerequisite or corequisite: OFTD 1220 or permission of instructor) Lecture: 2 hours, Lab: 1 hour, Fall only - Lab Fee: $20

**MEDL 2380 - Medical Office Transcription I**  
(3 Credits)  
This course focuses on the skills a medical transcriptionist must possess in preparing for eventual employment in a private physician's office, clinic or hospital. Emphasis is placed on the efficient production of case histories and physical examinations, radiological reports, X-rays, operative reports, pathology reports, discharge summaries and autopsy reports from pre-recorded dictation material. (Corequisite: OFTD 1220 or permission of instructor) Lecture: 2 hours, Lab: 2 hours Fall only - Lab Fee: $20

**MEDL 2390 - CPT Medical Insurance Coding**  
(3 Credits)  
This course familiarizes students with Current Procedural Terminology (CPT) codes and modifiers along with their corresponding unique descriptions. Topics include use of guidelines, notes, index, appendices and modifiers and AMA documentation guidelines to ensure correct coding. OIG (Office of Inspector General) compliance for individual and small group physicians' practice is also included. (Corequisite: MEDL 2400, 2350). Lecture: 3 hours

**MEDL 2400 - ICD-CM Medical Insurance Coding**  
(2 Credits)  
This course familiarizes students with International Classification of Diseases and Clinical Modification codes (ICD-CM). An overview of the Tabular List (Volume I) and the Alpha Index (Volume II) will include coding fundamentals and conventions. Various coding scenarios challenge small student groups to apply techniques learned to code claims. (Corequisite: MEDL 2350 or permission of instructor) Lecture: 2 hours

**MEDL 2410 - Medical Insurance Billing**  
(3 Credits)  
This course prepares students for employment as medical insurance specialists in physicians' offices and clinics. Topics include the claim process, inpatient and outpatient billing, procedural coding and billing requirements of various health care providers. Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20
MEDL 2420 - Practical Applications in Professional Medical Coding  
(4 Credits)  
This course advances the student’s knowledge of the Current Procedural Terminology (CPT), International Classification of Diseases (ICD), and Healthcare Common Procedure Coding (HCPC) code sets and outlines the application of the fundamentals of coding and documentation in the physician’s practice. This course prepares students for the American Academy of Professional Coders CPC Certification Examination. (Prerequisite MEDL 2390 and 2400) Lecture: 4 hours

MEDL 2430 - Electronic Medical Records and Practice Management  
(3 Credits)  
This course prepares students for employment within health care facilities. Topics include fundamentals of electronic medical records (EMR) management, integration of patient and provider information, clinical documentation, and effective office communication via an EMR system. This course will also prepare students to take the National Health Care Association’s Certified Electronic Health Records (CEHRS) Assessment to become CEHRS certified. Lecture: 3 hours - Lab Fee: $20

MEDL 2480 - Medical Office Transcription II  
(2 Credits)  
This is a continuation of the applications of medical transcribing skills learned in MEDL 2380 and provides a more in-depth understanding of medical terminology pertaining to the body systems. Medical reports are transcribed for individual case studies in patients with specific medical problems. In addition, outpatient medical reports are transcribed using the HPIP (history, physical, impression and plan) and SOAP (subjective, objective, assessment and plan) formats. (Prerequisite: MEDL 2380) Lecture: 2 hours, Lab: 1 hour, Spring only - Lab Fee: $20

MEDL 2910 - Medical Cooperative Work Experience  
(3 Credits)  
This is a planned and supervised cooperative work experience. Students are placed in a medical office during their last semester for the purpose of observing the operations and routines of that office. The opportunity to perform tasks required in a medical office is provided. Students attend class on campus during weeks one through five then work approximately 13 hours a week in an approved cooperative work experience placement during weeks six through 15. (Prerequisites: MEDL 2360 and 2380; enrollment in Administrative Office Technology program, completion of 24 credits in that program and 2.0 GPA or permission of instructor) Lecture: 1 hour per week for five weeks, CO-OP: 13 hours per week for 10 weeks

MLTC (MLTC - Clinical Laboratory)

MLTC 1110 - Bacteriology  
(4 Credits)  
The biological aspects of microbial structure, metabolism and growth are presented. Emphasis is on classification of microorganisms, mostly bacteria and identification of disease-producing organisms. (Prerequisite: Enrollment in Medical Lab Tech program or department permission) Lecture: 2 hours, Lab: 4 hours - Lab Fee: $20

MLTC 1120 - Clinical Immunology  
(3 Credits)  
This course covers basic theories of immunology, laboratory diagnosis of infectious diseases and diseases of the immune system. Students learn to perform basic serological techniques. Note: This course is a prerequisite for MLTC 1160. (Prerequisite: Enrollment in Medical Lab Tech program or department permission) Lecture: 2 hours, Lab: 3 hours - Lab Fee: $20

MLTC 1130 - Phlebotomy for Medical Laboratory Technicians I  
(1 Credit)  
This course covers principles of phlebotomy and specimen handling. Students perform venipuncture on training arms, venipuncture on adults, capillary punctures, isolation techniques, blood culture site preparation and specimen processing. Note: This course is a prerequisite for MLTC 1930. (Prerequisite: Enrollment in Medical Lab Tech program or department permission) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

MLTC 1150 - Urinalysis  
(3 Credits)  
The formation of urine and the principles of the laboratory procedures used in the physical, chemical and microscopic examination of urines are discussed. Normal values are presented and the significance of abnormal results explained. Complete urinalysis is performed in the training laboratory. Quality control in the urinalysis laboratory is performed and stressed. (Prerequisite: Enrollment in Medical Lab Tech program or department permission) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20
MLTC 1160 - Immunohematology
(3 Credits)
This course covers red cell antigens and antibodies, antibody identification, crossmatching, donor processing and component therapy. Theory is presented in lecture and a laboratory experience enables students to apply these theories to routine laboratory procedures. (Prerequisite: MLTC 1120 or equivalent or permission of department) (Corequisite: MLTC1161) - Lab Fee: $20

MLTC 1161 - Topics in Immunohematology
(1 Credit)
This course is designed to provide the student with the necessary skills for proficiency in Immunohematology techniques and procedures. Emphasis will be placed on laboratory skills, including decision making, interpretation, and quality assurance. Upon completion, the student will show 100% proficiency in type and screen, compatibility testing, antibody identification and other procedures. (Corequisite: MLTC1160) - Lab Fee: $10

MLTC 1170 - Quality Assurance for Point of Care Laboratory Testing
(1 Credit)
This course is designed for health care workers who perform clinical laboratory tests that are waived tests in a physician's office or medical care center. The course includes laboratory safety (OSHA regulations), quality control procedures to ensure quality assurance, a detailed discussion on CLIA '88 waived tests and instruction on the performance of these tests. Students are provided with the technical knowledge and skills required for competent performance of waived laboratory procedures with increased reproducibility accuracy and precision. (Prerequisite: Enrollment in Phlebotomy or Renal Dialysis program or permission of department) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

MLTC 1180 - Specimen Collection and Handling for Healthcare Professionals
(1 Credit)
This course covers the principles of specimen collection and handling. National standards are presented. Various specimen collection techniques are introduced to the health care professional, with emphasis on the importance of a properly collected specimen. (Prerequisite: Second-year students enrolled in RESP, XRAY, ADNU or LPNU, RENL programs or department permission) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

MLTC 1190 - Fundamentals of Clinical Chemistry
(3 Credits)
This course introduces the analytical skills needed to correctly perform analytic procedures that yield accurate and precise information. Basic principles and practices of clinical chemistry are emphasized. Laboratory safety, quality control and statistics, analytical techniques and instrumentation are stressed. (Prerequisite: Enrollment in Medical Lab Tech program or department permission) Lecture: 3 hours

MLTC 1210 - Introduction to Clinical Laboratory Science
(3 Credits)
This course offers a basic introduction to the clinical laboratory. Current concepts and general principles of all areas connected with the medical laboratory field are explored. Students are introduced to selected basic techniques used in the clinical laboratory. (Note: This course is open to any student interested in the field of Medical laboratory technology or can be used as a general studies elective). Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

MLTC 1930 - Phlebotomy for Medical Laboratory Technicians II
(1 Credit)
This course provides Medical laboratory technology students with the opportunity to become proficient in phlebotomy in a clinical laboratory setting. In addition, use of laboratory information systems, accessioning and proper record-keeping are demonstrated. (Prerequisite: MLTC 1130 or permission of department) Clinical: 40 hours/week

MLTC 1940 - Clinical Immunohematology
(3 Credits)
This clinical internship provides the student with opportunity to implement skills learned in MLTC 1160 and MLTC 1161 in a clinical laboratory environment. Students attend for 40 hours per week for 2.5 weeks. There is ample opportunity for additional practice of blood bank principles and procedures and to gain experience with automated instruments. (Prerequisite: MLTC 1160, MLTC 1161 and MLTC 1120). Clinical: 40 hours/week/2.5 weeks - Lab Fee: $20
MLTC 1950 - Clinical Urinalysis
(1 Credit)
This clinical experience will provide the student with theory and practice in performing urinalysis, with the examination of the physical, chemical and microscopic components of urine. Analysis of other body fluid, including serous, amniotic, synovial, seminal and vaginal are included. Students attend for 40 hours per week for 1.5 weeks. (Prerequisite: MLTC 1150). Clinical: 40 hours/week/1.5 weeks - Lab Fee: $10

MLTC 1960 - Clinical Laboratory Information Systems
(1 Credit)
Workflow in the laboratory has been adjusted due to the introduction of the computer. This course is an introduction to data entry processing and retrieval of laboratory information. Specimen tracking is emphasized in this hands-on environment. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $10

MLTC 1970 - Information Technology for Medical Lab Technicians
(2 Credits)
This course provides students with the knowledge to perform laboratory procedures that require the use of a computer. Students learn to understand the basics of a system that delivers rapid and accurate reporting to caregivers and to understand the role that the regulatory agencies play in the laboratory information system. (Prerequisite: COMI 1100) Lecture: 2 hours, Lab: 2 hours

MLTC 2110 - Clinical Microbiology I
(4 Credits)
Procedures for cultivation and identification of pathogenic microorganisms from clinical material are covered in this course. Additional topics such as antimicrobial susceptibility tests, quality control and automation in microbiology are also included. (Prerequisite: MLTC 1110) Lecture: 2 hours, Lab: 4 hours - Lab Fee: $20

MLTC 2120 - Hematology
(4 Credits)
The study of the structure and function of blood and its role in health and disease is presented. Red blood cells, white blood cells and coagulation factors including platelets are observed and discussed. The classification of leukemias, anemias and other hematological disorders is studied. Development of skills in manual and automated laboratory procedures is stressed. Laboratory procedures include coagulation studies, manual and automated red blood cell, white blood cell and platelet counting and enumeration of special cells. Films of normal and abnormal peripheral blood are examined. (Prerequisite: Enrollment in Medical Lab Tech program or department permission) Lecture: 2 hours, Lab: 6 hours - Lab Fee: $20

MLTC 2190 - Clinical Chemistry I
(5 Credits)
The basic principles of spectrophotometry and the diagnostic methods of analysis are presented. The study of protein, fat and carbohydrate metabolism, electrolyte and acid-base balance PCR, molecular methods enzymes and renal function procedures as they relate to diagnostic testing is stressed. Laboratory mathematics and quality control are discussed. Selected laboratory procedures including manual and automated quantitative analysis of serum, plasma and urine are performed. (Prerequisite: MLTC 1190 or permission of department) Lecture: 3 hours, Lab: 6 hours - Lab Fee: $20

MLTC 2910 - Clinical Microbiology II
(4 Credits)
This course provides practical application of principles and techniques that have been previously learned. Students learn by doing actual testing at the bench with the same exposure to realistic conditions under which a technician works. Coursework involves skill development of clinical bacteriology, mycology and parasitology. (Prerequisite: MLTC 2110) Clinical: 32 hours/week

MLTC 2920 - Clinical Hematology II
(4 Credits)
This course provides practical application of principles and techniques that have been previously learned. Students learn by doing actual testing at the bench with the same exposure to realistic conditions under which a technician works. (Prerequisite: MLTC 2120) Clinical: 32 hours/week

MLTC 2930 - Clinical Laboratory Science Seminar
(2 Credits)
The course examines case studies as they relate to hematology, clinical chemistry, microbiology, urinalysis, immunohematology and immunology. Self-Assessments are used as a review to enhance the students' knowledge base. A capstone presentation is required as a culmination of the students' understanding of clinical laboratory diseases and disorders. (Corequisite: MLTC 2910 or 2920 or 2990 or permission of department) Lecture: 3 hours
MLTC 2990 - Clinical Chemistry II  
(4 Credits)  
This course provides practical application of principles and techniques that have been previously learned. Students learn by doing actual testing at the bench with the same exposure to realistic conditions under which a technician works. (Prerequisite: MLTC 2190) Clinical: 32 hours/week

MRIC (Magnetic Resonance Imaging)

MRIC 2260 - Introduction to MRI  
(6 Credits)  
This course provides students with a knowledge of MRI image production, including image acquisition and reconstruction. The selection of scan protocols will be related to anatomical region, patient history and physical condition. Attention is given to patient education, screening and care. Clinical application is part of this course. Anatomical regions of the head and neck, spine, thorax and abdomen are considered. Prerequisite: Registered radiographer, Lecture: 3 hours, Clinical: 16 hours

MRIC 2270 - MRI Physics and Instrumentation  
(3 Credits)  
This course provides students with a basic understanding of the physics of magnetic resonance imaging and the instrumentation used to acquire MRI images. The basic principles of electricity and magnetism are addressed, as well as the characteristics of radio frequencies and the phenomenon of resonance. Application of these principles to data acquisition is discussed. Hazards associated with strong magnetic fields and radio frequencies is addressed, as well as the actual components of magnetic resonance equipment. Prerequisite: Registered radiographer, Lecture: 3 hours

MRIC 2280 - Procedures and Methods for MRI Imaging  
(6 Credits)  
This course addresses advanced imaging techniques, including MR angiography, cardiac imaging and spectroscopy. The nature and use of contrast agents is discussed. Factors related to image quality, artifacts and quality assurance is considered. Imaging of the pelvis, musculoskeletal and vascular system are discussed. Supervised clinical practice is included. Lecture: 3 hours; Clinical 16 hours

MRIC 2290 - MRI Safety and Quality Assurance  
(3 Credits)  
This course addresses safety practices and quality assurance as they relate to magnetic resonance imaging. Factors related to image quality and optimal operation of imaging equipment are considered. Students evaluate MRI images for quality and learn to manipulate parameters when necessary. MRI screening procedures and safety considerations for all patients are addressed as well as special concerns for patients with biomedical implants and devices. Students apply knowledge from classroom instruction and activities as part of a supervised clinical experience. Lecture: 3 hours

MUSC (Music)

MUSC 1010 - Foundations in Music  
(3 Credits)  
This is a beginning study of music reading and writing including notation, terminology, major and minor keys, interval recognition, triad identification, rhythmic perception, melodic dictation and sight singing. This course can be used as an elective for non-majors. Music majors may enroll in the course as a review if necessary, but this course does not count toward music degree requirements. (See MUSC 1700) Lecture: 3 hours

MUSC 1030 - Voice Class  
(3 Credits)  
This course is designed to develop basic vocal technique in terms of breath control, tone production, tone placement, articulation and diction through appropriate exercises, as well as to develop basic musicianship through careful study and singing of a diversified vocal repertoire. Both ensemble and solo pieces are assigned. Lecture: 3 hours

MUSC 1050 - Music Before 1750  
(3 Credits)  
The history of music of the early Christian, Medieval, Renaissance and Baroque periods is examined in reference to the culture in which each was created. Special emphasis is placed on intensive listening. Lecture: 3 hours, Spring semester
MUSC 1060 - Music After 1750  
(3 Credits)  
This course covers the history of music of the Rococo, Classical, Romantic and early 20th century periods with cultural correlations to the periods. Special emphasis is placed on intensive listening. Lecture: 3 hours, Fall semester

MUSC 1091 - Opera Workshop I  
(1 Credit)  
This course is a workshop designed to explore the basics of integrating singing, movement and dramatization into opera performance. Emphasis is placed on character development, score study and stage movement in two consecutive semesters. Each student in the class will be assigned a role in the spring opera production. During the first semester, the roles are musically prepared and memorized. Detailed musical coaching including stylistic study, diction, and period performance practice. Opera Workshop I may be repeated four times. (Prerequisite: College freshman ability in singing, as demonstrated in an informal audition at the first class meeting; recommended: Enrollment in sequential course, MUSC 1092- Opera Workshop II in Spring semester) Rehearsal: 2.5 hours, Fall semester

MUSC 1092 - Opera Workshop II  
(1 Credit)  
This course is the second semester of a workshop designed to explore the integration of singing, movement and dramatization into operatic performance. By the performance date, students will display a comprehensive knowledge of the opera roles assigned, including the acting, stage movement and overall dramatic presentation by participating in a fully staged performance of the chosen opera. Opera Workshop II may be repeated four times. (Prerequisite: Completion of MUSC 1091 in the same academic year) Rehearsal: 2.5 hours, Spring semester

MUSC 1110 - Jazz History  
(3 Credits)  
This course is designed to familiarize students with literature and techniques employed in jazz from the 1890s to the present. The course begins with a study of the elements of music, and major jazz styles are considered in historic context. Significant jazz artists studied include Louis Armstrong, Duke Ellington, Charlie Parker and Miles Davis. Lecture: 3 hours

MUSC 1112 - Introduction to Digital Recording Technology  
(3 Credits)  
This is an introductory course in recording technology and music production using Pro Tools software. The course assumes no prior music production experience or music theory background. The fundamental concepts of sound, digital audio workstations (DAW), recording studio equipment and techniques, audio and MIDI recording, editing, mixing and mastering will be introduced. Students will finish the course with the basic knowledge of how to set up a home studio and begin producing their own music. Lecture/Studio: 3 hours - Lab Fee: $20

MUSC 1113 - Audio Recording  
(3 Credits)  
This course is an in-depth study of digital signal processing within a multimedia, sound design, or music production process. It includes techniques such as spectrum, dynamic, time, and mastering configurations. Students will explore the modern concepts of personal computer processing, as well as analyze the recording, mixing and mastering of professional mixes. (Prerequisite: MUSC 1112 or permission of instructor). Lecture/studio: 3 hours - Lab Fee: $20

MUSC 1120 - The American Musical  
(3 Credits)  
This course is a study of the American Broadway musical from 1870 through the present, including works by Kern, Rodgers/ Hammerstein, Sondheim and Webber. Lecture: 3 hours

MUSC 1130 - String Class I  
(3 Credits)  
This course is designed to develop the basic skills of playing the violin, viola, cello or double bass, including tone quality, intonation, technical facility, sight reading and basic performance. A limited number of instruments are provided by the department. No prior playing experience is necessary, but students must read music. (Prerequisite: MUSC 1010 or 1700 or permission of instructor) Spring only. Lecture: 3 hours
MUSC 1135 - String Class II  
(3 Credits)  
This is a sequel to MUSC 1130 to improve basic playing skills and to acquaint students with a string instrument not studied in String Class I.  
(Prerequisite: MUSC 1130 or permission of instructor) Lecture: 3 hours, Spring semester

MUSC 1137 - Beginning Guitar Class  
(3 Credits)  
This elective course is designed to introduce students to the fundamentals of music through a study of the guitar. Students with little or no experience on the instrument will learn the basics of rhythm, melody and harmony as well as learn to perform solo, duet and ensemble pieces in a class setting. The course will develop technical skills through scales and exercises, which are essential for performing chords, song accompaniments and folk melodies. In addition, basic music reading and writing will be learned throughout the semester. Also, students must supply their own nonelectric instruments. No previous musical experience is required for this class. This beginning guitar course is not for the experienced guitarist. Lecture: 3 hours

MUSC 1140 - Piano Class I  
(2 Credits)  
This course develops basic keyboard skills, including two-octave scales and chord progressions, improvisation of simple accompaniments and sight reading of easier selected pieces.  
(Prerequisite: MUSC 1010 or 1700 or permission of instructor) Lecture: 4 hours

MUSC 1145 - Piano Class II  
(2 Credits)  
A sequel to MUSC 1140, this course places emphasis on improving finger dexterity, hand coordination, pedalling techniques, sight-reading, articulation and interpretive skills.  
(Prerequisite: MUSC 1140 or permission of instructor) Lecture: 4 hours

MUSC 1160 - Introduction to Music  
(3 Credits)  
This course is designed to foster better understanding and appreciation of great music of the Western world. European and American musical styles, techniques and forms are presented from the listener's standpoint. Lecture: 3 hours

MUSC 1165 - History of Rock  
(3 Credits)  
This course covers the history of rock music, its diverse American influences, its emergence as a recognizable style in the 1950s and its symbiotic relationship with 20th century and contemporary society. Students will learn to become active listeners and to articulate the ways in which various compositional techniques and performance practices in rock music express aspects of the human condition. Lecture: 3 hours

MUSC 1175 - Music Therapy and Geriatrics  
(3 Credits)  
This is an introductory course on the field of Music Therapy and the benefits of using music as an intervention with a geriatric population. Students will learn how music and music-related activities can be utilized to connect with people who are living with age-related disorders. Topics will include the history of Music Therapy, the function of music, and how music is used by trained Music Therapists when working with an elderly population. Students will learn activities and strategies that can be used by health and human services professionals when working with an elderly population when a Music Therapist is not available. Lecture: 3 hours

MUSC 1180 - Jazz Ensemble  
(1 Credit)  
This is a course designed to provide students with opportunities to participate in a musical ensemble, perform various styles of jazz and develop their improvisational ability. Note: Instrumentation and stylistic direction of the ensemble may vary from semester to semester. Four credits of this ensemble may be counted toward the A.F.A. degree ensemble requirement. Additional credits are counted as electives.  
(Prerequisite: Technical proficiency on an instrument and audition during the first week of classes. Rehearsal: 2.5 hours)

MUSC 1200 - Chamber Ensemble (Band)  
(1 Credit)  
The course provides an opportunity for students to develop ensemble skills in a small group setting. Various combinations of winds, strings, piano and percussion are utilized. Note: Four credits of this ensemble are counted toward the A.F.A. degree requirement. Further ensemble credits are counted as electives.  
(Prerequisite: Moderate technical proficiency on an instrument and/or permission of instructor) Rehearsal: 2.5 hours
Community College of Rhode Island

**MUSC 1210 - Chorus**
(1 Credit)
This course is designed to provide singers an opportunity to perform in an ensemble while developing vocal technique proper breath support, tone production, tone placement, etc. Note: Four credits of this ensemble are counted toward the A.F.A. degree requirement. Further ensemble credits are counted as electives. (Prerequisite: Audition at first class meeting) Rehearsal: 2.5 hours

**MUSC 1220 - Chamber Singers**
(1 Credit)
This course is for a select group of singers who perform a variety of choral repertoire, including a cappella polyphonic compositions and 20th century styles. Note: Four credits of this ensemble are counted toward the A.F.A. degree requirement. Further ensemble credits are counted as electives. (Prerequisite: Audition at the first class meeting) Rehearsal: 2.5 hours

**MUSC 1231 - Orchestra**
(1 Credit)
Study and performance of standard and modern repertoire for the orchestra. Open to qualified instrumentalists by audition. Course meets at Rhode Island College Nazarian Center. In addition to weekly rehearsals, attendance at dress rehearsal and performance dates are required. Offered Fall and Spring. (Prerequisite: Audition is required) Rehearsal: 2.5 hours.

**MUSC 1240 - Applied Music Violin I**
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

**MUSC 1242 - Applied Music Violin-Secondary**
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

**MUSC 1250 - Applied Music Violin 2**
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

**MUSC 1252 - Applied Music Violin-Secondary**
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200
MUSC 1260 - Applied Music Viola I
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1262 - Applied Music Viola-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1270 - Applied Music Viola 2
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1272 - Applied Music Viola-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1280 - Applied Music Violoncello
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $378

MUSC 1282 - Applied Music Violoncello-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195
MUSC 1290 - Applied Music Violoncello
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 1292 - Applied Music Violoncello-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1300 - Applied Music String/Electric Bass
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1302 - Applied Music String/Electric Bass-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1310 - Applied Music String/Electric Bass
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1312 - Applied Music String/Electric Bass-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195
MUSC 1320 - Applied Music Flute 1
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1322 - Applied Music Flute-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1330 - Applied Music Flute 2
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1332 - Applied Music Flute-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1340 - Applied Music Oboe 1
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 1342 - Applied Music Oboe-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195
MUSC 1350 - Applied Music Oboe II  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 1352 - Applied Music Oboe-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1360 - Applied Music Clarinet 1  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1362 - Applied Music Clarinet-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 1370 - Applied Music Clarinet 2  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1372 - Applied Music Clarinet-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200
MUSC 1380 - Applied Music Bassoon
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 1382 - Applied Music Bassoon-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1390 - Applied Music Bassoon
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 1392 - Applied Music Bassoon-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1400 - Applied Music Trumpet
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1402 - Applied Music Trumpet-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<td>MUSC 1410</td>
<td>Applied Music Trumpet</td>
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<td>MUSC 1412</td>
<td>Applied Music Trumpet-Secondary</td>
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<td>Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200</td>
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<td>MUSC 1420</td>
<td>Applied Music French Horn</td>
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<td>The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390</td>
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<td>MUSC 1422</td>
<td>Applied Music French Horn-Secondary</td>
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<td>Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195</td>
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<td>MUSC 1432</td>
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<td>Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195</td>
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</tbody>
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**MUSC 1440 - Applied Music Trombone**  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

**MUSC 1442 - Applied Music Trombone-Secondary**  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

**MUSC 1450 - Applied Music Trombone**  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

**MUSC 1452 - Applied Music Trombone-Secondary**  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

**MUSC 1460 - Applied Music Tuba/Euphonium**  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

**MUSC 1462 - Applied Music Tuba-Secondary**  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195
MUSC 1470 - Applied Music Tuba/Euphonium 2
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1472 - Applied Music Tuba/Euphonium-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1480 - Applied Music Percussion
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1482 - Applied Music Percussion-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 1490 - Applied Music Percussion
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1492 - Applied Music Percussion-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200
MUSC 1500 - Applied Music Piano
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1502 - Applied Music Piano-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 1510 - Applied Music Piano
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1512 - Applied Music Piano-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 1520 - Applied Music Organ
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $378

MUSC 1522 - Applied Music Organ-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200
MUSC 1530 - Applied Music Organ  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 1532 - Applied Music Organ-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 1540 - Applied Music Voice  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1542 - Applied Music Voice-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 1550 - Applied Music Voice  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1552 - Applied Music Voice-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200
MUSC 1600 - Applied Music Saxophone I
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1602 - Applied Music Saxophone-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only, with a fee for private instruction due at the beginning of the semester and the balance of the instructor’s fee to be paid directly to the private teacher. Students are assigned to CCRI music faculty. Apply directly to the Music Department for detailed audition information and dates. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) - Applied Music: $200

MUSC 1610 - Applied Music Saxophone
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1612 - Applied Music Saxophone-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 1620 - Applied Music Guitar
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1622 - Applied Music Guitar-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200
MUSC 1630 - Applied Music Guitar
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 1632 - Applied Music Guitar-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 1700 - Music Theory I
(3 Credits)
This course is designed for the student who has a foundational music theory background. This is a study of the organizing factors of music including scales, key signatures, intervals, triads with inversions, seventh chords with inversions, rhythm, meter, four-part structure and harmonization with primary triads. Basic keyboard assignments are included. (Prerequisite: Please refer to www.ccri.edu/performingarts/music/assessment for Music Theory Advising Assessment to see if you have sufficient background for MUSC 1700. Enrollment in Music/Jazz Studies degree program or permission of Music faculty; Corequisite: MUSC 1710) Lecture: 3 hours, Fall semester

MUSC 1710 - Sight Singing and Ear Training I
(1 Credit)
This is a course in practical sight singing and ear training via solfeggio, to express and comprehend aurally the concepts studied in MUSC 1700 Music Theory I. (Prerequisite: Enrollment in Music/Jazz Studies program or permission of Music faculty; Corequisite: MUSC 1700) Lab: 2 hours, Fall semester

MUSC 1800 - Music Theory II
(3 Credits)
A sequel to MUSC 1700, this course continues with the principles of four-part writing, seventh chords, chorale analysis, modulations and two-part counterpoint. Basic keyboard assignments are included. (Prerequisite: MUSC 1700 or permission of Music faculty; Corequisite: MUSC 1810) Lecture: 3 hours, Spring semester

MUSC 1810 - Sight Singing and Ear Training II
(1 Credit)
A sequel to MUSC 1710, this course provides practical application of concepts studied in MUSC 1800. Special emphasis is placed on seventh chords and more complex rhythm studies. (Prerequisite: MUSC 1710 or permission of Music faculty; Corequisite: MUSC 1800) Lab: 2 hours, Spring semester

MUSC 2040 - Applied Music: Jazz-Rock Arranging
(2 Credits)
This course is designed to introduce students to the skills required for arranging in the jazz and jazz-rock idioms. Topics include instrumental characteristics, writing for winds and rhythm sections, multi-part writing and analysis of works by significant arrangers. Student projects include the preparation of two arrangements for jazz ensemble. (Prerequisites: Music 1800 and 1810) Private lesson: 1 hour per week by appointment. Applied Music Fee to be paid to the bursar after registering for the course. See page 12 Explanation of Fees for more information. Contact the Performing Arts Department for information and to apply. - Applied Music: $400

MUSC 2070 - Jazz Harmony I
(2 Credits)
This course is designed to introduce students to theoretical analysis and aural recognition in the jazz idiom. Topics include chord construction and identification, sight singing and ear training. (Prerequisites: MUSC 1800 and 1810) Lecture: 2 hours, Fall semester
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**MUSC 2080 - Jazz Harmony II**  
*(2 Credits)*  
This course is designed to develop further understanding of theoretical analysis and aural recognition in the jazz idiom. Topics include modal harmony, re-harmonization, sight singing and ear training. *(Prerequisite: MUSC 2070)* Lecture: 2 hours, Spring semester

**MUSC 2090 - Jazz Improvisation I**  
*(3 Credits)*  
This course introduces students to the skills required for jazz improvisation. Topics include chord progressions, scales, modes and the analysis and creation of melodic lines. Musical performance is emphasized. *(Prerequisite: MUSC 1800 and 1810)* Lecture: 3 hours, Fall semester

**MUSC 2100 - Jazz Improvisation II**  
*(3 Credits)*  
This course is designed to further develop students' improvisational skills. Topics include complex chords, modes of the melodic minor scale and performing standard works in all keys. *(Prerequisite: MUSC 2090)* Lecture: 3 hours, Spring semester

**MUSC 2240 - Applied Music Violin**  
*(2 Credits)*  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. *(Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.)* Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

**MUSC 2242 - Applied Music Violin-Secondary**  
*(1 Credit)*  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students are assigned to CCRI Music faculty. *(Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.)* Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

**MUSC 2250 - Applied Music Violin**  
*(2 Credits)*  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. *(Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.)* Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

**MUSC 2252 - Applied Music Violin-Secondary**  
*(1 Credit)*  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. *(Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.)* Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

**MUSC 2260 - Applied Music Viola III**  
*(2 Credits)*  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the
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applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2262 - Applied Music Viola-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2270 - Applied Music Viola IV
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2272 - Applied Music Viola-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2280 - Applied Music Violoncello
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2282 - Applied Music Violoncello-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2290 - Applied Music Violoncello
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390
<table>
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<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<td>Applied Music Violoncello-Secondary</td>
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<td>Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195</td>
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<td>MUSC 2300</td>
<td>Applied Music String/Electric Bass</td>
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<td>The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400</td>
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<td>MUSC 2310</td>
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<td>The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400</td>
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<td>MUSC 2312</td>
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<td>MUSC 2320</td>
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<td>The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400</td>
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MUSC 2322 - Applied Music Flute-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2330 - Applied Music Flute
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2332 - Applied Music Flute-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2340 - Applied Music Oboe III
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2342 - Applied Music Oboe-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2350 - Applied Music Oboe IV
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390
MUSC 2352 - Applied Music Oboe-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2360 - Applied Music Clarinet
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2362 - Applied Music Clarinet-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2370 - Applied Music Bassoon
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2372 - Applied Music Clarinet-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2380 - Applied Music Bassoon
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390
MUSC 2382 - Applied Music Bassoon-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2390 - Applied Music Bassoon  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2392 - Applied Music Bassoon-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2400 - Applied Music Trumpet  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2402 - Applied Music Trumpet-Secondary  
(1 Credit)  
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2410 - Applied Music Trumpet  
(2 Credits)  
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400
MUSC 2412 - Applied Music Trumpet-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2420 - Applied Music French Horn
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2422 - Applied Music French Horn-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2430 - Applied Music French Horn
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $390

MUSC 2432 - Applied Music French Horn-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2440 - Applied Music Trombone
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400
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<td>Applied Music Tuba/Euphonium</td>
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<td>MUSC 2470</td>
<td>Applied Music Tuba/Euphonium</td>
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Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

Applied Music Trombone

The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2450 - Applied Music Trombone

The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2460 - Applied Music Tuba/Euphonium

The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2462 - Applied Music Tuba/Euphonium-Secondary

The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2470 - Applied Music Tuba/Euphonium

The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400
MUSC 2472 - Applied Music Tuba/Euphonium-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2480 - Applied Music Percussion
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2482 - Applied Music Percussion-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 2490 - Applied Music Percussion
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2492 - Applied Music Percussion-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

MUSC 2500 - Applied Music Piano
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400
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<td>Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply.</td>
<td>- Applied Music: $195</td>
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</tr>
<tr>
<td>MUSC 2530</td>
<td>Applied Music Organ</td>
<td>2</td>
<td>The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply.</td>
<td>- Applied Music: $390</td>
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</tr>
</tbody>
</table>
### MUSC 2532 - Applied Music Organ-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

### MUSC 2540 - Applied Music Voice
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

### MUSC 2542 - Applied Music Voice-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

### MUSC 2550 - Applied Music Voice
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

### MUSC 2552 - Applied Music Voice-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $200

### MUSC 2600 - Applied Music Saxophone III
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400
MUSC 2602 - Applied Music Saxophone-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2610 - Applied Music Saxophone
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2612 - Applied Music Saxophone-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2620 - Applied Music Guitar
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400

MUSC 2622 - Applied Music Guitar-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

MUSC 2630 - Applied Music Guitar
(2 Credits)
The course provides private music instruction on a principal instrument or in principal voice for music majors. Instruction is offered in classical music or jazz (one hour lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music will be required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students will be assigned to CCRI Music faculty. (Prerequisite: College freshman ability in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $400
### MUSC 2632 - Applied Music Guitar-Secondary
(1 Credit)
Private music instruction on a second instrument or in voice for music majors, or private music instruction for non-majors wishing to study an instrument or voice for credit. Instruction is offered in classical music or jazz (one half-hour lesson per week) for students with basic proficiency in playing an instrument or singing. Elementary ability to read music is necessary. All students are required to perform in a student recital at least once per semester. Admission is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: Basic proficiency in playing an instrument or singing, as demonstrated in an audition.) Applied Music fee to be paid to the bursar after registering for the course. Contact the Performing Arts Department for detailed audition information and dates, and to apply. - Applied Music: $195

### MUSC 2700 - Music Theory III
(3 Credits)
This course involves further study of musical organization to include 18th century polyphony, augmented and Neapolitan sixth chords, borrowed chords and instrumental forms of the 18th and 19th centuries. Basic keyboard assignments are included. (Prerequisite: MUSC 1800 or permission of Music Department, corequisite: MUSC 2710) Lecture: 3 hours, Fall semester

### MUSC 2710 - Sight Singing and Ear Training III
(1 Credit)
This course offers a practical aural/vocal study of the concepts presented in MUSC 2700 with particular emphasis upon non-diatomic pitches and modulation. (Prerequisite: MUSC 1810 or permission of Music Program; Corequisite: MUSC 2700) Lab: 2 hours, Fall semester

### MUSC 2720 - Applied Music - Music Composition
(2 Credits)
This course provides students the opportunity to study music composition on an individual basis with a private instructor. Students pursue either jazz or classical styles beginning with melodic organization, through various tonal concepts, including counterpoint, harmonization, form and instrumentation. Semester projects are presented in written score and performance. (Prerequisite: MUSC 2700 or 2070, plus MUSC 1140 – Piano Class I or equivalent) Private lesson: 1 hour per week by appointment. Applied Music fee to be paid to the bursar after registering for the course. See page 12 Explanation of Fees for more information. Contact the Performing Arts Department for information and to apply. - Applied Music: $400

### MUSC 2721 - Applied Music Composition 2
(2 Credits)
This course provides students the opportunity to continue to study music composition on an individual basis with a private instructor. Students will explore writing topics including modulations, transformation methods such as augmentation, rhythmic transformation, inversion and retrograde, and scoring for two or more different instruments. (Prerequisite: MUSC2720) Applied Music fee to be paid to the bursar after registering for the course. - Applied Music: $400

### MUSC 2800 - Chromatic and Modern Music Theory IV
(3 Credits)
A sequel to MUSC 2700, this course covers topics from the late Romantic period through Impressionism and the 20th century. It offers a continuation of forms, extension of pitch organization, to include serialism, aleatory, sound mass, electronic synthesis, MIDI and minimalism. Basic keyboard assignments are included. (Prerequisite: MUSC 2700 or permission of Music faculty; Corequisite: MUSC 2810) Lecture: 3 hours, Spring semester

### MUSC 2810 - Sight Singing and Ear Training IV
(1 Credit)
This is a practical aural and vocal study of the advanced concepts presented in MUSC 2800 – Chromatic and Modern Music Theory IV. (Prerequisite: MUSC 2710 or permission of Music faculty, corequisite: MUSC 2800) Lab: 2 hours, Spring semester

### NURP (Practical Nursing)

#### NURP 1015P - Gerontology
(2 Credits)
This course introduces the student to the social, psychological, and physiological changes associated with the aging process with the intent of promoting safety and maintaining optimal levels of health. Nursing management of common health care issues that often affect older adults will be addressed. Lecture: 2 hours
NURP 1010 - Practical Nursing I
(7 Credits)
This course introduces the nursing student to the role of the licensed practical nurse, including legal and ethical standards. Nursing concepts are examined along with evidence-based interventions to meet basic patient needs. This conceptually organized content provides opportunity to achieve a broad understanding of individuals and their health issues that impact the health care system, both institutionally and in the community. Students apply theory in clinical practice, a major focus of which is care of the elderly in subacute care facilities. (Prerequisites: ENGL 1010, HESI Entrance Exam) Lecture: 3 hours per week; Clinical: 12 hours per week. - HESI Testing Next Gen: $100, Lab Fee: $20, Nursing Clinical Fee: $75

NURP 1020 - Practical Nursing 2
(9 Credits)
Building upon the basic concepts and skills taught in NURP 1010, this course expands that conceptual foundation for the student caring for adult patients with common, less complex medical and surgical disorders. Physiological, psychosocial, spiritual, cultural, legal, and ethical aspects of routine patient care are addressed. Attention is also directed toward the practical nurse's role in all phases of health promotion. A variety of medical-surgical facilities are utilized for clinical learning experiences. (Prerequisites: NURP 1010, NURS 1015P, NURS1061P, BIOL 1070). Lecture: 5 hours per week; Clinical: 12 hours per week. - HESI Testing Next Gen: $100, Lab Fee: $20, Nursing Clinical Fee: $75

NURP 1030 - Practical Nursing 3
(10 Credits)
Building upon the concepts, skills, and routine patient care taught in NURP 1010 and NURP 1020, this course rounds out the practical nursing student’s education with an introduction to issues related to care of maternity, pediatric, and mental health patients. Content includes care of the mother during a normal pregnancy, care of the normal newborn, care of the developing child, and care to persons with mental health disorders. Basic knowledge of the leadership role for the practical nurse is presented. Conceptual foundations for the care of patients with routine medical issues is continued. Students have clinical experience with maternity, pediatric, psychiatric, and adult/geriatric patients. This is the completion course for students who wish to graduate as practical nurse candidates. (Prerequisites: NURP 1020, NURP 1062, PSYC 2010). Lecture: 4 hours per week; Clinical: 12 hours per week. - HESI Testing Next Gen: $100, Lab Fee: $20, Nursing Clinical Fee: $75

NURP 2500 - PN Capstone
(1 Credit)
This 15 hour course prepares soon-to-be-graduates of the Practical Nursing Program to pass the national examination for licensure as a Licensed Practical Nurse. Curriculum content is organized and reviewed. Test-taking skills for application of nursing knowledge to practice are emphasized. This course is meant to boost the confidence level of test candidates by increasing their preparedness and decreasing test anxiety.

NURS (Nursing)

NURS 1015P - Gerontology
(2 Credits)
This course introduces the student to the social, psychological, and physiological changes associated with the aging process with the intent of promoting safety and maintaining optimal levels health. Nursing management of common health issues that often affect older adults is addressed. (Prerequisites: ENGL 1010; HESI Entrance Exam; Corequisites: NURP 1010, NURS 1061P; Corequisite or prerequisite: BIOL 1070) Lecture: 2 hours per week.

NURS 1061P - Pharmacology I
(1 Credit)
This course begins the nursing student's education in the basic principles of pharmacology, establishing a knowledge base that applies to the various routes of medication administration. There is an emphasis on the nurses' role in safe dosage calculation and medication administration. (Prerequisites: ENGL 1010, HESI Entrance Exam; Corequisites: NURP 1010, NURS 1015P; Corequisite or prerequisite: BIOL 1070) Lecture: 1 hour per week.

NURS 1062P - Pharmacology II
(1 Credit)
This course builds on the basic principles of pharmacology, progressing to include major classes of drugs used in the nursing management of patients with commonly occurring physical and mental health problems. (Prerequisites: BIOL 1070; NURP 1020; Corequisite or prerequisite: PSYC 2010) Lecture 1 hour per week.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>NURS 1010</td>
<td>Fundamentals of Nursing</td>
<td>6</td>
<td>This course introduces the student to the role of the professional nurse, including legal and ethical standards. Students will learn how to assess and provide safe, evidence-based interventions to meet basic patient needs using the nursing process, with an emphasis on the older adult. Application of foundational concepts and basic psychomotor skills occur in the nursing laboratory and a variety of clinical settings. (Prerequisites: BIOL 2201 or BIOL 1010 and BIOL 1020, ENGL 1010, PSYC 2010; Corequisites: NURS 1015, 1061; Corequisite or prerequisite: BIOL 2202) Lecture: 4 hours per week. Clinical: 6 hours per week. - HESI Testing Next Gen: $100, Lab Fee: $20, Nursing Clinical Fee: $125</td>
</tr>
<tr>
<td>NURS 1015</td>
<td>Gerontological Nursing</td>
<td>2</td>
<td>This course introduces the student to the social, psychological, and physiological changes associated with the aging process with the intent of promoting safety and maintaining optimal levels of health. Nursing management of common health issues that often affect older adults are addressed. (Prerequisites: BIOL 2201 or BIOL 1010 and BIOL 1020, ENGL 1010, PSYC 2010; Corequisites: NURS 1010, 1061; Corequisite or prerequisite: BIOL 2202 ) Lecture: 2 hours per week.</td>
</tr>
<tr>
<td>NURS 1020</td>
<td>Medical Surgical Nursing I</td>
<td>6</td>
<td>This introductory, concept-based nursing course focuses on the acquisition of knowledge and psychomotor skills necessary for delivering safe, evidence-based nursing care to adults in a variety of clinical settings. The emphasis of this course is on common acute and chronic health problems. (Prerequisites: BIOL 2202; NURS 1010, 1015, 1061; Corequisites: NURS 1023, 1062; Corequisite or prerequisite: PSYC 2030) Lecture: 3 hours per week. Clinical: 9 hours per week. - Lab Fee: $100 Nursing Clinical Fee: $20</td>
</tr>
<tr>
<td>NURS 1023</td>
<td>Mental Health Nursing</td>
<td>3</td>
<td>In this course, the student acquires a basic knowledge of the causes, treatment, prevention and patient-centered nursing care for common and severe mental health problems across the lifespan. Emphasis is placed on application of therapeutic communication techniques, psychosocial assessment skills, and the nursing process with an integration of ethical and legal concepts. (Prerequisites: BIOL 2202; NURS 1010, 1015, 1061; Corequisite: NURS 1020, 1062; Corequisite or prerequisite PSYC 2030) Lecture: 2 hours per week. Clinical: 6 hours per week for 7 weeks. - Nursing Testing Fee: $125</td>
</tr>
<tr>
<td>NURS 1061</td>
<td>Pharmacology I</td>
<td>1</td>
<td>This course begins the nursing student's education in the basic principles of pharmacology, establishing a knowledge base that applies to the various routes of medication administration. An emphasis is placed on the nursing role in safe dosage calculation and medication administration. (Prerequisites: BIOL 2201 or BIOL 1010 and BIOL 1020, ENGL 1010, PSYC 2010; Corequisite: NURS 1010, 1015; Corequisite or prerequisite: BIOL 2201) Lecture: 1 hour per week.</td>
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<tr>
<td>NURS 1062</td>
<td>Pharmacology II</td>
<td>1</td>
<td>This course builds on the basic principles of pharmacology, progressing to include major classes of drugs that are used in the nursing management of patients with commonly occurring physical and mental health problems. (Prerequisites: BIOL 2202; NURS 1010, 1015, 1061; Corequisites: NURS 1020, 1023; Corequisite or prerequisite PSYC 2030) Lecture: 1 hour per week.</td>
</tr>
<tr>
<td>NURS 1063</td>
<td>Pharmacology III</td>
<td>1</td>
<td>This course focuses on the role of the professional nurse in the administration of medications used in the management of patients with complex multisystem health problems across the lifespan. (Prerequisites: NURS 1020, 1023, 1062; PSYC 2030; Corequisites: NURS 2040, 2050) Lecture: 1 hour per week.</td>
</tr>
<tr>
<td>NURS 2030</td>
<td>Concepts in Nursing Practice</td>
<td>4</td>
<td>This 4 credit course is designed to facilitate successful entry of licensed practical nurses into LPN-to-RN option within the Associate Degree program. It provides theoretical and clinical content from the first two semesters of the registered nurse program. The course is designed to expand on the breadth and depth of the common content from practical nurse education programs, introduce the new concept based curriculum, expand on nursing processes utilizing case studies, and concept mapping, explore evidence based nursing practice, and reinforce skills specific to ADN programs through lab and simulated clinical experience. Nursing Lab Fee $100</td>
</tr>
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NURS 2040 - Medical/Surgical Nursing II  
(5 Credits)  
This intermediate-level medical/surgical course expands on concepts presented in the prior courses, with an emphasis on application of professional nursing judgment to care for patients with complex acute medical/surgical conditions. Students learn to prioritize and manage evidence-based care for 1-2 patients. (Prerequisites: NURS 1020, 1023, 1062; PSYC 2030; Corequisites: NURS 1063, 2050) Lecture: 6 hours per week, Clinical: 12 hours per week over 7.5 weeks. - Lab Fee: $100, Nursing Clinical Fee: $20

NURS 2050 - Maternal and Child Health Nursing  
(6 Credits)  
Building on concepts learned in previous courses, the emphasis of this course is on utilizing evidence-based nursing judgment to assist the new family in a variety of clinical settings to obtain optimum levels of health during the childbearing and childrearing years. (Prerequisites: NURS 1020, 1023, 1062; PSYC 2030; Corequisites: NURS 1063, 2040) Lecture: 8 hours per week, Clinical: 12 hours per week over 7.5 weeks. - Nursing Testing Fee: $125

NURS 2060 - Medical-Surgical Nursing III  
(6 Credits)  
This advanced-level medical/surgical course builds on and emphasizes analysis and synthesis of theory from prior nursing courses. Students will learn to apply professional nursing judgment to the care of patients with emergent and/or multisystem health problems. Emphasis is placed on managing care and collaborating with an interprofessional team for multiple patient assignments. (Prerequisites: NURS 1063, 2040, 2050; Corequisite: NURS 2500; Corequisite or prerequisite: BIOL 2210) Lecture: 8 hours per week, Clinical 12 hours per week over 7.5 weeks - Lab Fee: $100, Nursing Testing Fee: $100, Nursing Clinical Fee: $20

NURS 2500 - Nursing Capstone  
(3 Credits)  
In this course, students synthesize acquired knowledge and apply that knowledge in a clinical immersion experience. Students examine and apply an understanding of professional nursing standards, ethical problem-solving, evidence-based practice, and a commitment to lifelong learning. The clinical experience provides opportunities for teamwork and collaboration in managing care for groups of patients, development of leadership skills, and participation in quality improvement activities. (Prerequisite: NURS 2060; Corequisite or prerequisite: BIOL 2210) Lecture: 2 hours per week, Clinical: 12 hours per week over 7.5 weeks.) - NCLEX Review Course: $325

OCEN (Oceanography)  

OCEN 1010 - Introduction to Oceanography  
(3 Credits)  
This course is a study of the marine environment describing principles of physical, chemical, biological and geological oceanography. Topics include the origin of oceans; the composition and history of seawater; oceanic currents, tides, waves and beaches; the sea floor; plant and animal life in the sea; oceanic resources and food; and marine pollution. Note: Completion of both OCEN 1010 and OCEN 1030 will satisfy one laboratory science requirement in the liberal arts and general studies programs. Lecture: 3 hours

OCEN 1030 - Oceanography Laboratory  
(1 Credit)  
This lab course emphasizes topics covered in OCEN 1010 (Introduction to Oceanography) such as ocean life, sediments, salinity, currents and plate tectonics. It allows a more hands-on approach to learning. Note: Completion of both OCEN 1010 AND OCEN 1030 will satisfy one laboratory science requirement in the Liberal Arts and General Studies programs. Lab: 2 hours - Lab Fee: $10

OCTA (Occupational Therapy Assistant)  

OCTA 1000 - Introduction to Occupational Therapy  
(2 Credits)  
This course provides an overview of occupational therapy that includes the history, philosophy, theories, practice settings, and contemporary issues in the field. The profession’s unique view of human function, therapeutic use of self, and how occupation is used as intervention to facilitate health, wellness, and participation in life is addressed. Included are professional standards and ethics, state regulations, credentialing requirements, and professional organizations. Lecture: 2 hours
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<tr>
<td>OCTA 1010</td>
<td>Fundamentals of Treatment I</td>
<td>4</td>
<td>This course addresses the administration of standardized and non-standardized evaluation procedures used by occupational therapists to assess self-care, coordination, tone, hand function, sensation, and visual perception. It addresses principles of adaptation and compensation, adaptive equipment, splinting, mobility, and therapeutic positioning. (Co-requisite: RHAB 1030, OCTA 1070) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>OCTA 1030</td>
<td>Fundamentals of Treatment II</td>
<td>4</td>
<td>This course explores the process of activity analysis and its impact upon occupational therapy intervention. The influence of the Occupational Therapy Practice Framework III is addressed while students explore activity demands, contextual influences, performance skills, and methods of grading a variety of functional activity. (Prerequisite: OCTA 1010, OCTA 1070, RHAB 1030, RHAB 1110; Co-requisite: OCTA 1040, OCTA 1050, OCTA 1060, OCTA 1080) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>OCTA 1040</td>
<td>Gerontologic Occupational Therapy</td>
<td>3</td>
<td>This course examines the aging process and offers an overview of medical conditions and precautions associated with treatment of the older adult client. The aging process is explored in order to identify the impact it has on body systems and upon occupational performance. Related treatment intervention is practiced in the laboratory setting. (Prerequisite: OCTA 1010, OCTA 1070, RHAB 1030, RHAB 1110; Co-requisite: OCTA 1030, OCTA 1050, OCTA 1060, OCTA 1080) Lecture: 2 hours, Lab: 2.5 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>OCTA 1050</td>
<td>Pediatric Occupational Therapy</td>
<td>4</td>
<td>This course examines the impact of pediatric disease and dysfunction upon the physical and social development of the child. It examines the impact upon learning, engagement in occupation, and the need for adaptation. The course reviews theory, assessment, and intervention strategies utilized to address the needs of the pediatric client. (Prerequisite: OCTA 1010, OCTA 1070, RHAB 1030, RHAB 1110; Co-requisite: OCTA 1030, OCTA 1040, OCTA 1060, OCTA 1080) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>OCTA 1060</td>
<td>Level I Fieldwork</td>
<td>1</td>
<td>This is the first fieldwork experience in which students participate. It consists of 35-40 hours of observation in clinical practice setting(s). (Prerequisite: OCTA 1010, OCTA 1070, RHAB 1030, RHAB 1110; Co-requisite: OCTA 1030, 1040, 1050 and 1080) Clinical: 35 hours</td>
</tr>
<tr>
<td>OCTA 1070</td>
<td>Tests and Measurements for Occupational Therapy Assistants</td>
<td>2</td>
<td>This course instructs students how to perform joint range of motion testing and manual muscle testing throughout the body. (Co-requisite: RHAB 1030, OCTA 1010) Lecture: 1 hour, Lab: 2 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>OCTA 1080</td>
<td>Therapeutic Activity Group Skills</td>
<td>2</td>
<td>This course provides students with an opportunity to explore group theory, group dynamics, and activity analysis to ensure a therapeutic effect when used in occupational therapy practice settings with a variety of patient populations. (Prerequisites: OCTA 1010, OCTA 1070, RHAB 1030, RHAB 1110; Co-requisites: OCTA 1030, OCTA 1040, OCTA 1050, OCTA 1060) Lecture: 1 hour, Lab: 1 hour</td>
</tr>
<tr>
<td>OCTA 2010</td>
<td>Psychosocial Occupational Therapy</td>
<td>4</td>
<td>This course reviews psychiatric disorders commonly exhibited in clients referred to occupational therapy in mental health settings. Areas addressed include an interdisciplinary care approach; etiology, symptoms and behavior of psychosocial disorders; legal and ethical issues in mental health; and alternatives to hospitalization. Therapeutic group and 1:1 intervention is practiced in laboratory sessions. (Prerequisites: OCTA 1030, OCTA 1040, OCTA 1050, OCTA 1060, OCTA 1080; Co-requisites: OCTA 2020) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20</td>
</tr>
</tbody>
</table>
| OCTA 2020  | Physical Rehabilitation and Health                     | 4       | This course covers approaches to address physical dysfunction conditions referred to occupational therapy. Topics include evaluation, intervention, adaptation, compensation, and prevention techniques as utilized by occupational therapy assistants in a variety of clinical settings. Therapeutic
modalities, mobility, splinting, and documentation are addressed. Therapeutic intervention is practiced in the laboratory setting. (Prerequisites: OCTA 1030, OCTA 1040, OCTA 1050, OCTA 1060, OCTA 1080; Corequisite: OCTA 2010) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

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<tr>
<td>OCTA 2030</td>
<td>Occupational Therapy Assistant Level IIA Fieldwork</td>
<td>(4)</td>
<td>This course is an eight week placement in a fieldwork site under the supervision of licensed occupational therapy practitioners. Students apply knowledge about assessment, intervention, activity analysis, ethics, and effective communication while providing occupational therapy service to clients in an interprofessional manner. This fulfills one half of the requirement for level II fieldwork as required for graduation from the Occupational Therapy Assistant Program and meets the accreditation standards set by the Accreditation Council for Occupational Therapy Education. (Pre-requisites: OCTA 2010, OCTA 2020; Co-requisites: OCTA 2035, OCTA 2040) - Lab Fee: $20</td>
</tr>
<tr>
<td>OCTA 2035</td>
<td>Occupational Therapy Assistant Level IIB Fieldwork</td>
<td>(4)</td>
<td>This course is an eight week placement in a fieldwork site under the supervision of licensed occupational therapy practitioners. Students apply knowledge about assessment, intervention, activity analysis, ethics, and effective communication while providing occupational therapy service to clients in an interprofessional manner. This fulfills one half of the requirement for level II fieldwork as required for graduation from the Occupational Therapy Assistant Program and meets the accreditation standards set by the Accreditation Council for Occupational Therapy Education. (Pre-requisites: OCTA 2010, OCTA 2020; Co-requisites: OCTA 2030, OCTA 2040) - Lab Fee: $20</td>
</tr>
<tr>
<td>OCTA 2040</td>
<td>Occupational Therapy Assistant Fieldwork Seminar</td>
<td>(2)</td>
<td>This course consists of lecture, group discussion, student presentation and fieldwork assignments designed to assist students to transition from the classroom to the clinical environment. Students share fieldwork experiences with peers allowing them to expand upon their knowledge as they prepare to transition to employment. (Pre-requisite: OCTA 2010, OCTA 2020; Co-requisites: OCTA 2030, OCTA 2035) Lecture: 2 hours</td>
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**OFTD (Administrative Office Tech.)**

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<tr>
<td>OFTD 1105</td>
<td>Essential Note Taking Skills</td>
<td>(1)</td>
<td>Note taking is a one-semester course designed to improve writing speed; take fast and accurate notes at meetings, on the phone, and/or at school; and enhance your professional productivity and academic success. It is an efficient, rapid writing skill designed to capture key points from spoken word or written text. Lecture: 1 hour</td>
</tr>
<tr>
<td>OFTD 1120</td>
<td>Microcomputer Keyboarding</td>
<td>(3)</td>
<td>This course is designed for business use. It emphasizes proficiency in touch-typing keyboard mastery, proper typing techniques and the development of speed and accuracy. It also provides practice in applying these skills to document formatting such as centering and business letters. Individualized instruction units are given throughout the course. A minimum typing speed of 15 wpm is required to pass this course. Lecture: 4 hours, Lab: 1 hour - Lab Fee: $20</td>
</tr>
<tr>
<td>OFTD 1130</td>
<td>Editing Skills for Office Communications I</td>
<td>(2)</td>
<td>This course emphasizes the elements of style applied in written business communications. It is for the student who is developing editing skills in order to transcribe accurately. There is particular concentration on spelling, proofreading, word division, capitalization, expression of numbers and abbreviations in dictated material. Lecture: 2 hours</td>
</tr>
<tr>
<td>OFTD 1140</td>
<td>Office Technology &amp; Procedures I</td>
<td>(3)</td>
<td>This course is designed to provide students with a basic background in the rapidly expanding applications of office technology, including an introduction to telework telecommunications, Web research, online projects, PowerPoint presentations and Outlook. In addition, students develop their communication skills and learn about proper business attitudes with an emphasis on developing soft skills (people skills), critical thinking and problem-solving skills. Lecture: 3 hours</td>
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<tr>
<td>OFTD 1160</td>
<td>Basic Keyboarding Mastery</td>
<td>2</td>
<td>This course is designed for the personal development of keyboarding skill. It is intended for the beginning student and those who have had a minimum of keyboarding instruction. The major objectives are to develop touch control of the keyboard and proper typing techniques, build basic speed and accuracy skills and provide practice in applying these beginning skills to basic document formatting. Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20</td>
</tr>
<tr>
<td>OFTD 1170</td>
<td>Office Transcription I</td>
<td>2</td>
<td>This course develops entry-level proficiency in transcribing dictation from tapes to final copy. It is designed to refine and integrate office skills and applications. Emphasis is on the application of language arts skills in the production of written communications. (Prerequisites: OFTD 1120 and 1130) Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20</td>
</tr>
<tr>
<td>OFTD 1180</td>
<td>Speech Recognition Software Applications I</td>
<td>1</td>
<td>This course assists students in increasing their computer-use productivity. Topics include enunciation, correcting speech errors and navigating and formatting documents. Students should be able to attain speeds of about 130 wpm or more with 95-98 percent accuracy. Lecture: 1 hour - Lab Fee: $10</td>
</tr>
<tr>
<td>OFTD 1190</td>
<td>Speech Recognition Software Applications II</td>
<td>1</td>
<td>The purpose of this course is to gain further expertise in the creation of voice-typed documents by building on the skills attained in OFTD 1180. In addition, students are trained in the use of career-specific terminology and applications. (Prerequisite: OFTD 1180) Lecture: 1 hour - Lab Fee: $10</td>
</tr>
<tr>
<td>OFTD 1220</td>
<td>Microsoft Office Applications I</td>
<td>4</td>
<td>This course further refines students' keyboarding speed and accuracy. In addition, the beginning and intermediate levels of MS Word skills are covered, as well as the beginning level of MS Excel. The keyboarding speed needed to pass this course is 25-50 wpm. (Prerequisite: OFTD 1120) Lecture: 4 hours, Lab: 1 hour - Lab Fee: $20</td>
</tr>
<tr>
<td>OFTD 1250</td>
<td>Office Accounting</td>
<td>2</td>
<td>This course develops the office worker's understanding of the basic procedures used in keeping a set of accounting records in a service business. Basic accounting principles are covered along with their implementation in an electronic office system. Lecture: 2 hours, Lab: 1 hour - Lab Fee: $10</td>
</tr>
<tr>
<td>OFTD 1280</td>
<td>Editing Skills for Office Communications II</td>
<td>3</td>
<td>This course continues with the mechanics of the transcription process in business correspondence. It includes sentence structure as a foundation for an intense study of punctuation rules required for business communication. Students are trained to consult a reference manual for variations in usage. Lecture: 3 hours</td>
</tr>
<tr>
<td>OFTD 1370</td>
<td>Business File Management</td>
<td>2</td>
<td>This course provides a foundation in business information maintenance. It covers life cycle concepts of document control, creation, filing, storage and retrieval procedures using a manual method and introduces electronic filing. Students are also introduced to the basics of Access and Excel. Lecture: 2 hours - Lab Fee: $20</td>
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<tr>
<td>OFTD 1380</td>
<td>Customer Service Essentials</td>
<td>5</td>
<td>This course will equip students with the knowledge and skills that will enable them to be a successful and proactive part of a customer service team. It focuses on strategies for effective customer service, troubleshooting skills, call-handling procedures, call center metrics, incident management, communications skills, and call center processes. This course prepares students to take the HDI Customer Service Representative Exam. Lecture: 5 hours</td>
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</table>
**OPTI (Opticianry)**

**OPTI 1010 - Optical Theory I**  
(3 Credits)  
This course examines the nature of light and details the behavior of light when it encounters various refractive surfaces. In addition, the course examines lens power, indices, and prisms. This course establishes the foundation for advanced ophthalmic applications. (Co-requisites: OPTI 1020, 1030, 1040) Lecture: 3 hours

**OPTI 1020 - Ophthalmic Laboratory I**  
(3 Credits)  
This course introduces students to terms, instruments, calculations, lenses, frames, materials, and processes to be used in the surfacing and finishing of ophthalmic prescription eyewear. (Co-requisites: OPTI 1010, 1030, 1040) Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20

**OPTI 1030 - Ophthalmic Dispensing I**  
(3 Credits)  
This course introduces students to Opticianry and the procedures necessary for becoming a dispensing optician. Topics include the history of the profession, patient/client measurements, prescription analysis, ophthalmic frame and lens materials, and selection and adjustment techniques. (Co-requisites: OPTI 1010, 1020, 1040) Lecture: 3 hours

**OPTI 1040 - Anatomy and Physiology of the Eye**  
(3 Credits)  
This course gives opticianry students an insight into the anatomical structure of the eye and its adnexa. Students learn the function of the parts of the eye as they relate to vision and fitting of contact lenses. Learners are presented with common pathologies of the eye and ocular pharmacology. (Co-requisites: OPTI 1010, 1020, 1030) Lecture: 3 hours

**OPTI 1050 - Optical Theory II**  
(3 Credits)  
This continues the study of optical theory. Topics include: prism notation, and vertical imbalance. It also presents methods of correction such as vertex power, illuminance, reflection and absorption, diffraction, third order aberrations, lens tilt, anisometropia, and spectacle magnification. (Prerequisites: OPTI 1010, 1020, 1030, 1040; Co-requisites: OPTI 1060, 1070, 1080) Lecture: 3 hours

**OPTI 1060 - Ophthalmic Laboratory II**  
(3 Credits)  
This course continues the study of prescription eyewear fabrication processes. Students learn to calibrate and maintain equipment, layout and edge multi-focal lenses, tint and coat lenses, perform advanced neutralization of lenses for verification or duplication purposes. Instruction is provided in techniques for special surfacing processes such as biconic grinding and prism thinning. (Prerequisites: OPTI 1010, 1020, 1030, 1040; Co-requisites: OPTI 1050, 1070, 1080) Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20

**OPTI 1070 - Ophthalmic Dispensing II**  
(3 Credits)  
This course continues an examination of lens materials, types, and fitting with a particular focus on multi-focals, progressive addition lenses, absorptive lenses, and special lens designs. Focus is on understanding and using ophthalmic instruments and devices to take patient measurements, read prescriptions, and perform frame adjustments. Governing agencies of the optical profession and legal and ethical issues are introduced. (Prerequisites: OPTI 1010, 1020, 1030, 1040; Co-requisites: OPTI 1050, 1060, 1080) Lecture: 3 hours

**OPTI 1080 - Ophthalmic Dispensing Clinical I**  
(3 Credits)  
This course is part of a three semester Dispensing Laboratory. During the three semesters, the student should learn and demonstrate competencies from the competency lists. By the end of the three experiences, students must demonstrate all listed competencies. Students may be required to demonstrate some competencies in more than one course. (Prerequisites: OPTI 1010, 1020, 1030, 1040; Co-requisites: OPTI 1050, 1060, 1070) Clinical: 90 hours
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<tr>
<td>OPTI 2010</td>
<td>Ophthalmic Dispensing Clinical II</td>
<td>3</td>
<td>This course is part of a three (3) semester Dispensing Laboratory. During the three semesters, students should learn and demonstrate competencies from the competency lists. By the end of the three experiences, students must demonstrate all listed competencies. Students may be required to demonstrate some competencies in more than one course. (Prerequisites: OPTI 1050, 1060, 1070, 1080, 2020; Co-requisites: OPTI 2040, 2060) Clinical: 90 hours</td>
</tr>
<tr>
<td>OPTI 2020</td>
<td>Ophthalmic Laboratory Skills I</td>
<td>3</td>
<td>This course is the skills component of OPTI 1020: Ophthalmic Laboratory I. Students will develop competencies in performing clinical laboratory skills at the introductory level under the direction and supervision of the faculty. Emphasis is placed on accuracy and attaining skills that meet acceptable professional level. (Prerequisite: OPTI 1010, 1020, 1030, 1040, 1050, 1060, 1080) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>OPTI 2030</td>
<td>Optical Business Management</td>
<td>3</td>
<td>This course presents basic management and leadership skills necessary for a successful eye care office. The course teaches analysis, creative thinking, judgment, planning strategy, and implementation skills necessary for optical business challenges. (Prerequisites: OPTI 2010, 2020, 2040, 2060; Co-requisites: OPTI 2050, 2070) Lecture: 3 hours</td>
</tr>
<tr>
<td>OPTI 2040</td>
<td>Introduction to Contact Lenses</td>
<td>3</td>
<td>This course includes a historical review of contact lenses as well as theory; design and optical principles. Indications and contraindications for contact lenses wear, patient evaluation, lens types and availability, and fundamental techniques and fitting philosophies are covered. The uses of the biomicroscope, keratometer, and radioscope are presented as well as patient education on care, cleaning, insertion, and removal of contact lenses. (Prerequisites: OPTI 1050, 1060, 1070, 1080, 2020; Co-requisites: OPTI 2040, 2060) Lecture: 3 hours</td>
</tr>
<tr>
<td>OPTI 2050</td>
<td>Ophthalmic Dispensing Clinical III</td>
<td>3</td>
<td>This course is part of a three (3) semester Dispensing Laboratory. During the three semesters, students should learn and demonstrate listed competencies. By the end of the three experiences, students must demonstrate all competencies listed. Students may be required to demonstrate some competencies in more than one course. (Prerequisites: OPTI 2010, 2020, 2040, 2060; Co-requisites: OPTI 2030, 2070) Clinical: 90 hours</td>
</tr>
<tr>
<td>OPTI 2060</td>
<td>Ophthalmic Laboratory Skills II</td>
<td>3</td>
<td>This course is the clinical component of OPTI 1060: Ophthalmic Laboratory II. Students will develop competencies in performing clinical laboratory skills at the advanced level under the direction and supervision of the faculty. Emphasis is placed on accuracy and attaining skills that meet acceptable professional level. (Prerequisite: OPTI 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 2020; Co-requisites: OPTI 2010, 2040) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>OPTI 2070</td>
<td>Contact Lens Clinical I</td>
<td>3</td>
<td>This course includes a historical review of contact lenses as well as theory; design and optical principles. Indications and contraindications for contact lens wear, patient evaluation, lens types and availability, and fundamental techniques and fitting philosophies are covered. The uses of the biomicroscope, keratometer, and radioscope are presented as well as patient education on care, cleaning, insertion, and removal of contact lenses. (Prerequisites: OPTI 2010, 2020, 2040, 2060; Co-requisites: OPTI 2030, 2050) Clinical: 90 hours</td>
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<tr>
<td>PHED</td>
<td>(Physical Education)</td>
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<tr>
<td>PHED 1210</td>
<td>Team Sports</td>
<td>1</td>
<td>This course introduces students to the basic skills for team oriented sports, including the rules and strategy of the games. Special emphasis is placed on the enjoyment of these team sport activities in a recreational environment.</td>
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PHED 1400 - Swimming I-Primary Skills  
(1 Credit)  
This course focuses on helping students feel comfortable in the water in order to enjoy the water safely. For students who have little or no experience.  
- Lab Fee: $10

PHED 1410 - Swimming II-Stroke Development  
(1 Credit)  
This course is designed for those who have experience in the water and would like to work on development of the key strokes. Additional water safety skills are presented.  
- Lab Fee: $10

PHED 1430 - Water Safety Instructor  
(3 Credits)  
This course will teach American Red Cross candidates to teach the infant and preschool aquatics program and the seven levels of the Learn-to-Swim Program. (Prerequisite: permission of instructor)  
- Lab Fee: $20

PHED 1440 - Lifeguard Training  
(2 Credits)  
This course is designed to teach lifeguards the skills and knowledge needed to prevent and respond to aquatic emergencies. Lifesaving materials of the American Red Cross are included to meet requirements for the state of Rhode Island.  
- Lab Fee: $20

PHED 1610 - Essentials of Physical Fitness  
(3 Credits)  
This course focuses on the components of physical fitness. Lectures are focused on nutrition, cardiorespiratory endurance, muscular strength, muscular endurance, and flexibility. Students will be active participants in the development of individualized fitness programs.

PHED 1620 - Advanced Physical Fitness and Wellness  
(3 Credits)  
A continuation of PHED 1610, this course provides more comprehensive and advanced techniques of fitness. Emphasis is placed upon personal responsibility for lifestyle changes to foster wellness. (Prerequisite: PHED 1610)  
- Lab Fee: $20

PHED 1630 - Weight Training and Sports Conditioning I  
(2 Credits)  
This introductory course provides a foundation of knowledge, skills and techniques in resistance training as well as an opportunity for the creation of an individualized training program.  
- Lab Fee: $20

PHED 1645 - Kettles and Ropes  
(2 Credits)  
This course incorporates kettlebells, suspension bodyweight training and wave velocity training in an overall cardiorespiratory and strength training program. Students are responsible for creating a training program to meet their functional strength, endurance and cardiorespiratory needs.

PHED 1665 - Advanced Weight Training  
(3 Credits)  
This course will provide an opportunity for the development and achievement of performance goals attained by the application of advanced lifting techniques. Olympic lifts, functional fitness, agility training and sprinting will be incorporated into the periodized training plan. Lecture: 2 hours, Lab: 2 hours

PHED 1670 - Athletic Performance Enhancement  
(3 Credits)  
The purpose of this course is to introduce basic psychological concepts and principles with special reference to motor performance, learning motor skills, perception and emotion in sport situations. The study of numerous psychological parameters pertinent to the prospective athletic coach, teacher, parent and student-athlete are investigated.  
- Lab Fee: $20
### PHED 1700 - Prevention and Care of Athletic Injuries and First Aid  
3 credits

This course will introduce techniques for conditioning, taping and bandaging as they relate to the prevention and care of athletic injuries. Lecture: 2 hours, Lab: 1 hour - Lab Fee: $20

### PHED 1720 - Real Coaching  
3 credits

Designed for teachers who coach, coaches who teach and others who lead sports, this course provides an analysis of the operational, managerial, physiological, social, ethical and moral aspects of coaching. Those currently coaching or with aspirations of coaching at the secondary level or intercollegiate level will find this course particularly useful. Lecture: 3 hours - Lab Fee: $20

### PHED 1730 - Sport & Recreation Operations  
3 credits

This course is designed to introduce students to the broad range of administrative responsibilities involved in conducting sports and recreation programs. Those with aspirations of pursuing a career in sport administration should find this course particularly useful. Lecture: 3 hours

### PHIL (Philosophy)

#### PHIL 1010 - Introduction to Philosophy  
3 credits

This course is a systemic study of basic philosophical questions, including: Is there a God? How is knowledge acquired? Does life have meaning? These questions are examined by reading major Western philosophers such as Plato, Aristotle, Descartes and others. Students learn and practice several critical reasoning skills applicable to academic, professional and personal areas of life. Lecture: 3 hours

#### PHIL 2020 - Philosophy of Religion  
3 credits

A systemic study of basic issues in the philosophy of religion, this course covers the concepts of God, traditional arguments for the existence of God, the problem of evil, mysticism and philosophical atheism. Students engage in theoretical discussions, develop critical reasoning skills and gain practical insight into their personal philosophy of religion. Lecture: 3 hours

#### PHIL 2030 - Ethics  
3 credits

This course is a critical analysis of main theories of moral conduct. In the areas of personal and social morality (e.g., citizenship, employment, student life, family life, etc.), some major moral problems are discussed such as capital punishment, abortion, race relations, social justice, war, sex and marriage, and ecology. When student curriculum needs in a given program, such as Law Enforcement, Nursing, etc., require a special focus, the instructor can provide special assignments to meet those needs. Note: Meets ethics requirement. Lecture: 3 hours

#### PHIL 2040 - Logic  
3 credits

This course studies the basic principles of correct thinking in semantics and in deductive and inductive reasoning. It introduces beginning students to the logical techniques of thought and argument. Exercises incorporate various current issues and topics. Clear and adequate thinking is the goal of the course. Lecture: 3 hours

### PHLE (Phlebotomy)

#### PHLE 1010 - Phlebotomy I  
6 credits

This course presents the theory and practice of phlebotomy that includes such topics as: phlebotomists in health care delivery systems; medical terminology; infection control and safety; anatomy and physiology of body systems; collection equipment, reagents and interfering factors in blood collection; venipuncture and capillary puncture blood collection procedures and requisitioning. Laboratory experiences include venipuncture practice by evacuated tube system, syringe and winged collection set on adult and pediatric training arms. Skin puncture collection procedures using a variety of lancets to collect capillary tubes and micro collection containers, are performed. Blood smear preparation, specimen processing and quality control are also practiced. Lecture: 5 hours, Lab: 2 hours - Lab Fee: $20 - Lab Fee: $20
PHLE 1020 - Phlebotomy II
(6 Credits)
This course includes collection and handling of non-blood specimens, quality assurance, specimen handling, specimen processing, communications techniques, legal issues, professionalism and arterial puncture. A review of CLSI Standards for skin puncture and venipuncture is included. In the college laboratory, students perform specimen processing, blood smear preparation, blood culture collection, skin puncture and venipuncture collection. Students spend a total of 120 hours of clinical training in phlebotomy techniques at an affiliated site. Note: students must be available to train weekdays (8 hrs x 5 days/week) for three (3) consecutive weeks. Lecture: 5 hours, Lab: 2 hours, Clinical: 120 hours - Lab Fee: $20

PHTA (Physical Therapist Assistant)

PHTA 1000 - Introduction to the Physical Therapist Assistant
(2 Credits)
This course is open to students who are considering admission into the Physical Therapist Assistant Program. An overview of the field of physical therapy and the roles of the physical therapist and physical therapist assistant within the health care delivery system are presented. Topics such as licensure, reimbursement, education and employment opportunities and professional organizations are covered. Ethical issues facing health care workers, the Code of Ethics for the Physical Therapist Assistant and the attitudes of health care workers toward illness and injury are discussed. Lecture: 2 hours

PHTA 1010 - Physical Therapist Assistant I
(6 Credits)
This course will introduce students to fundamental patient care procedures used in physical therapy. Students become proficient in instructing and assisting patients to perform functional mobility activities in a manner that is safe for the patient and practitioner. They learn to perform techniques for wound and edema management while avoiding transmission of infection. Techniques for ambulation training including the measurement and use of assistive devices (crutches, canes, walkers) and wheelchair measurement and mobility are taught and practiced in class and lab settings. Students are introduced to basic principles and learn to perform simple therapeutic exercises. Lecture: 4 hours, Lab: 4 hours, Clinic: 16 hours - Lab Fee: $20

PHTA 1020 - Physical Therapist Assistant II
(4 Credits)
This course includes an introduction to physical agents and modalities used for pain relief and improvement of tissue healing and function. Content includes the theory and utilization of massage and the theory and application of physical agents as they reduce inflammation and pain and aid metabolic processes. Direct treatment includes mechanical traction, thermo-, hydro-, photo, sound and electrotherapies. These techniques are taught as they relate to practice in a problem-solving, case study format. Students learn to document treatment parameters and patient responses to treatment. (Prerequisite: RHAB 1110, PHTA 1120, 1010) Lecture: 2 hours, Lab: 4 hours - Lab Fee: $20

PHTA 1120 - Tests and Measurements for Physical Therapist Assistants
(2 Credits)
This course instructs PTA students in testing and measurement techniques, specifically manual muscle testing and goniometry for the head, spine and extremities. Lecture: 1 hour, Lab: 2 hours - Lab Fee: $20

PHTA 1220 - Basic Therapeutic Exercise
(1 Credit)
This is an optional course to instruct PTA students to correctly perform therapeutic exercises for musculoskeletal conditions of the upper extremity, lower extremity, and trunk. This course will prepare students to instruct and perform basic exercise in preparation for their first clinical experience. This course will have 5 sessions that are 3 hours each.

PHTA 2010 - Physical Therapist Assistant III
(7 Credits)
This course focuses on interventions for the pulmonary, cardiovascular and musculoskeletal systems with a broad overview of the other body systems. Lecture and laboratory presentations instruct cardiovascular training for risk assessment and rehabilitation; chest physical therapy procedures; therapeutic exercise, particularly as it pertains to orthopedic physical therapy and movement dysfunction; and the management of lower extremity prosthetics. Techniques and concepts from the previous semester courses are integrated with the more advanced treatment interventions. This course runs the first 10 weeks of the semester. (Prerequisite: RHAB 1110, 1030, PHTA 1120, 1010, 1020) Lecture: 9 hours, Lab: 6 hours - Lab Fee: $20
PHTA 2020 - Physical Therapist Assistant IV
(7 Credits)
This course includes a review of neuroanatomy, the study of pathologies and physical therapy intervention for conditions of the central and peripheral nervous systems. Treatment approaches such as PNF, NDT, Bobath, Rood and Brunnstrom, together with training techniques for balance and coordination are included. The role of the physical therapist assistant in discharge planning is also covered. Emphasis is on application of therapy in the rehabilitation units. Students are exposed to specialty areas of physical therapy practice such as geriatrics and pediatrics. Techniques and concepts from previous semester courses are integrated with the more advanced treatment interventions. This course runs for the first 10 weeks of the semester. (Prerequisite: RHAB 1110, 1030, PHTA 1120, 1010, 1020, 2010, 2910) Lecture: 9 hours, Lab: 6 hours - Lab Fee: $20

PHTA 2030 - Physical Therapy for Impaired Neuro Function
(1 Credit)
This course is designed to support PHTA 2020 Physical Therapist Assistant IV. This course reviews the structure and function of the nervous system and neuropathology as it affects structures of the nervous system. The course offers additional laboratory time for students to practice treatment interventions as they relate to abnormal movement and function caused by neuropathology. The course runs concurrently with PHTA 2020 and is scheduled at intervals that will help students with theoretical information and practical skills presented in PHTA 2020. (Prerequisite: PHTA 2010; Corequisite: PHTA 2020) Lecture: 9 hours, Lab: 6 hours - Lab Fee: $10

PHTA 2040 - Career Development Seminar
(1 Credit)
This course is designed to support the students as they prepare for graduation, licensure and employment. Topics such as resume development, interviewing skills, preparation for licensure, negotiation, and professionalism will be presented. Appropriate resources for professionalism will be referenced, including the RI Rules and Regulations for Physical Therapists and Physical Therapist Assistants, Physical Therapy Code of Ethics and Professionalism in PT: Core Values document. (Prerequisite: PHTA 2020, Corequisite: PHTA 2930) Lecture: 1 hour

PHTA 2910 - Clinical Education I
(3 Credits)
This course is the first of three full time clinical experiences in the PTA program, and runs for a period of six weeks during the summer semester. Students are assigned to clinical sites for 35-40 hours per week of supervised clinical practice. Students observe and assist with Physical Therapy treatment under direct supervision and guidance of Physical Therapists and Physical Therapist Assistants. Students will participate in an online seminar in which relevant clinical issues will be discussed. (Prerequisite: PHTA 1020, RHAB 1030 and Reading Level 250) Lecture: 1 hour, Clinical 40 hours

PHTA 2920 - Clinical Education II
(3 Credits)
This course is the second of three full time clinical experiences in the PTA program, and runs for the last six weeks of the fall semester. Students are assigned to clinical sites for 35-40 hours per week of supervised clinical practice. Students will have the opportunity to grow more independent in performing physical therapy treatment under the supervision and guidance of Physical Therapists and Physical Therapist Assistants. Participation in ancillary components of Physical Therapy practice will foster the development of a responsible professional identity. Students will participate in an online seminar in which relevant clinical issues will be discussed. (Prerequisite: PHTA 2010, RHAB 1030 and Reading Level 250). Lecture: 1 hour, Clinical 40 hours

PHTA 2930 - Clinical Education III
(3 Credits)
This course is the final of three full time clinical experiences in the PTA program, and runs for the last six weeks of the spring semester. Students are assigned to clinical sites for 35-40 hours per week of clinical practice under the supervision of a licensed Physical Therapist or Physical Therapist Assistant. Students will be exposed to more complex patients, and will be allowed to partake in fulfilling a broad array of practice responsibilities, with increasing degrees of independence. This clinical experience should maximize the integration of all aspects of practice and will render the student prepared to function as a responsible entry level Physical Therapist Assistant. Students will participate in an online seminar in which relevant clinical issues will be discussed. (Prerequisite: PHTA 2020 and Reading Level 250). Lecture: 1 hour, Clinical: 40 hours. Clinical: 240 hours
PHYS (Physics)

**PHYS 1000 - Conceptual Physics/Physical Science**  
(4 Credits)  
This course is for students not majoring in science. Physical principles are presented with emphasis on non-quantitative, practical applications of these concepts. Note: This course satisfies one semester of the science requirement for the Associate in Arts degree. (Prerequisite: Basic knowledge of algebra) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

**PHYS 1030 - General Physics I**  
(4 Credits)  
Mechanics and heat are studied as the basic topics of this course. One lecture hour is used as a help session. (Prerequisite: High school algebra AND trigonometry) Lecture: 4 hours, Lab: 3 hours

**PHYS 1040 - General Physics II**  
(4 Credits)  
Sound, electricity and magnetism, light, atomic and nuclear theories and their applications are studied in this course. (Prerequisite: PHYS 1030 with a grade of "C" or better) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

**PHYS 1050 - Physics for Technology I**  
(4 Credits)  
This course is for students in the Engineering Systems Technology programs. Mechanics, sound, temperature and heat are studied. Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

**PHYS 1070 - Introduction to Renewable Energy**  
(3 Credits)  
This course will introduce renewable energy resources and their applied technologies to the student. Students will learn the physics of energy, as well as, the geology of energy. Topics covered will include, solar, geothermal, tidal, and wave energy, as well as, hydro-electric energy. Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

**PHYS 1100 - Engineering Physics**  
(4 Credits)  
This course is a study of the basic equations of mechanics, heat and thermodynamics. Note: It is usually taken by engineering students in the second semester of the first year. (Pre- or corequisite: Enrollment in MATH 2141 or equivalent or permission of instructor) Lecture: 4 hours, Lab: 3 hours - Lab Fee: $20

**PHYS 1110 - Radiographic Physics**  
(4 Credits)  
This course covers the fundamentals of electrical and radiation physics. Student gain an understanding of the basic principles underlying the operation of X-ray equipment and auxiliary devices. Note: Open only to students currently enrolled in Radiography program (Prerequisite: MATH 1179 or its equivalent) Lecture: 3 hours, Lab: 2 hours - Lab Fee: $20

**PHYS 2110 - Topics in Acoustics, Optics and Thermodynamics**  
(3 Credits)  
This course deals in the fundamentals of acoustics and optical phenomena and introduces topics of thermodynamics, kinetic theory and wave motion. Calculus is used. Note: Usually taken by engineering students in the first semester of the second year. Calculus is used. (Prerequisite: PHYS 1100 or equivalent AND MATH 2141, 2142 or equivalent or instructor's permission) Lecture: 3 hours

**PHYS 2111 - Introduction to Acoustics and Optics Laboratory**  
(1 Credit)  
This course deals with laboratory experiments in simple harmonic motion sound waves, reflection and refraction of light, lenses, prisms, diffraction of light, holography and some fiber optic systems. (Prerequisite or corequisite: PHYS 2110 or equivalent) Lab: 3 hours - Lab Fee: $20
PHYS 2500 - Applications in Science and Math  
(1 Credit)  
This capstone course is intended for students in their final semester of the Science program. It allows students an opportunity to demonstrate and integration of knowledge and abilities acquired in previous science and mathematics courses with added intent of developing new insights. Students read selected articles, such as those that come from scientific journals, in a variety of fields and then have the opportunity to collaborate with their peers honing writing, synthesis and presentation skills (Prerequisites: Successful completion of a minimum of 21 general education credits and a minimum of 18 Science credits or permission of the instructor - SEE DEPARTMENT CHAIRPERSON FOR PERMISSION OVERRIDE) - Lab Fee: $20

**POLS (Political Science)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 1000</td>
<td>Introduction to Government and Politics</td>
<td>3</td>
<td>An introduction to the field of political science, covering each area of the discipline, including comparative government and political systems, political economy, political ideology, international and global politics and methods of political analysis. Recommended as a first course for those pursuing further study in political science. Also recommended as a single course for those not taking other political science courses. Lecture: 3 hours</td>
</tr>
<tr>
<td>POLS 1010</td>
<td>American National Government</td>
<td>3</td>
<td>This course is a study of the American political system at the national level. It covers the structure of the U.S. government and its powers and limitations. It also covers policymaking, the governing and electoral processes, the roles of the people, the media, special interests and political parties. Areas of national concern such as economic and foreign policy and national security also are covered. Lecture: 3 hours</td>
</tr>
<tr>
<td>POLS 1030</td>
<td>State and Local Government</td>
<td>3</td>
<td>This course is a study of politics and government at the state and local level, including governmental structures, powers and limitations and governing and electoral processes. Areas of state and local concern such as urban and regional planning, most of the legal system and everyday matters ranging from public works to education are covered. Lecture: 3 hours</td>
</tr>
<tr>
<td>POLS 2010</td>
<td>International Relations</td>
<td>3</td>
<td>This course studies international and global politics. It includes study of diplomatic history, theoretical approaches, global political economy, international law and organization issues of war, peace and political stability. (Recommended: POLS 1000 or 1010 or HIST 1020 prior to taking this course) Lecture: 3 hours</td>
</tr>
<tr>
<td>POLS 2040</td>
<td>American Political Parties</td>
<td>3</td>
<td>This course studies political parties, politics and elections in the United States. It covers the political history of elections, voting patterns and party alignments, as well as the roles of special interests and the media in the electoral process. (Recommended: POLS 1000 or 1010 or HIST 1210 or 1220 prior to taking this course) Lecture: 3 hours</td>
</tr>
<tr>
<td>POLS 2045</td>
<td>American Politics &amp; Government: Critique &amp; Analysis</td>
<td>3</td>
<td>This course is a critical and analytical study of the various theories which interpret the American political system, their historical applications and relationship to current policy areas. (Prerequisite: POLS 1010) Lecture: 3 hours</td>
</tr>
<tr>
<td>POLS 2110</td>
<td>Modern Political Ideologies</td>
<td>3</td>
<td>In this course, students study modern and contemporary political ideologies in terms of their development and applications. This course involves intensive reading and interpretation of original works. (Recommended: POLS 1000 or 1010 or HIST 1020 prior to this course) Lecture: 3 hours</td>
</tr>
</tbody>
</table>
PORT (Portuguese)

PORT 1000 - Basic Spoken Portuguese I
(3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

PORT 1010 - Elementary Portuguese I
(3 Credits)
This course is for students with little or no preparation and covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of Portuguese culture are also included. Lecture: 5 hours

PORT 1020 - Elementary Portuguese II
(3 Credits)
This is a continuation of PORT 1010. (Prerequisite: PORT 1010, PORT 1030 or its equivalent) Lecture: 5 hours

PORT 1030 - Elementary Portuguese I
(3 Credits)
Portuguese 1030 is a faster paced version of Portuguese 1010. This course is suitable for students with previous experience i.e. Basic spoken Portuguese and/or other prior formal study of the language, prior formal study of another foreign language, or informal experience with a foreign language. The course covers elements of the language including: conversation, pronunciation, reading, writing, and grammar. Aspects of Portuguese-speaking cultures are also included. Note: Course content is the same as Portuguese 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor). Lecture: 3 hours

PORT 1040 - Elementary Portuguese II
(3 Credits)
This course is a continuation of PORT 1030. Note: Course content is the same as PORT 1020 with 2 fewer classroom hours per week. (Prerequisite: PORT 1030, PORT 1010 or its equivalent) Lecture: 3 hours

PORT 1100 - Basic Spoken Portuguese II
(3 Credits)
This course is a continuation of Basic Spoken Portuguese I (PORT 1000). Lecture: 3 hours

PORT 1710 - Portuguese for Medical Service Personnel
(3 Credits)
This course offers students an opportunity to master enough oral Portuguese to deal directly with the Portuguese-speaking patient and family from hospital admission to through discharge. Day-to-day dramatic recreations of hospital experiences from the points of view of both nurse and patient help students develop proficiency in spoken Portuguese. Lecture: 3 hours Note: Elective credit for students in Nursing and Allied Health fields.

PORT 2010 - Intermediate Portuguese I
(3 Credits)
This course helps the students develop skill in reading and discussing Portuguese texts related to culture and literature. It is supplemented by further work in grammar, conversation and composition. (Prerequisite: PORT 1020 or 1040 or equivalent. Prior preparation as noted above or permission of instructor) Lecture: 3 hours

PORT 2020 - Intermediate Portuguese II
(3 Credits)
This course is a continuation of Intermediate Portuguese I (PORT 2010). (Prerequisite: PORT 2010 or its equivalent. Prior preparation as noted above or permission of instructor) Lecture: 3 hours
## PSYC (Psychology)

### PSYC 1030 - Psychology of Personal Adjustment

*(3 Credits)*

This basic course provides insight into the general problem of normal adjustment. Consideration is given to the role of personality and the influence of one's environment, both physical and psycho-social. A practical approach is used to provide the student with greater self-understanding and greater awareness of the psycho-social factors in the community. Lecture: 3 hours

### PSYC 1050 - Psychology in the Workplace

*(3 Credits)*

This course is for individuals who may eventually become supervisors in their professions. The material covers psychological problems and how people adjust to them in the working environments of the business world. Lecture: 3 hours

### PSYC 1110 - Career Information Seminar

*(2 Credits)*

This course assists individuals in formulating career goals and in understanding vocational development. Theories of career choice are applied to the exploration of different occupations and college majors. Students learn to develop a specific plan of action, including interview techniques and construction of resumes to apply for a position. Lecture: 2 hours

### PSYC 1970 - Human Relations Seminar and Application

*(3 Credits)*

This course involves an exploration into the human condition including: the process of communication and response; the art of helping; choice and the decision process; the limitations set by individual uniqueness; and the acceptance of self and of others. Emphasis is also placed on the role of the value system and problems that arise out of value conflicts. Practical application of the human relation theories are explored through student participation in group exercises and role-playing. Lecture: 3 hours

### PSYC 2010 - General Psychology

*(4 Credits)*

This course is a survey of the core areas of scientific psychology. Emphasis is placed on the theories, methods, and findings concerning biopsychology, sensation-perception, consciousness, development, learning and memory, motivation and emotion, thinking and intelligence, social behavior, personality, health psychology, and behavior disorders. Contemporary controversial issues are also addressed and critically examined. Lecture: 3 hours; On-line: 1 hour

### PSYC 2020 - Social Psychology

*(3 Credits)*

The emphasis of this course is the experimental approach to the study of social influence. The behavior of individuals in relation to their social-cultural environment is considered in light of special topics such as conformity, attitudes, aggression, cognitive organization, group dynamics, prejudice and interpersonal attraction. (Prerequisite: PSYC 2010) Lecture: 3 hours

### PSYC 2030 - Developmental Psychology

*(3 Credits)*

This course offers students an understanding of the significant dynamics of human development, with emphasis on the normal rather than abnormal. Levels or stages of development covered include prenatal, infancy, childhood, adolescence, adulthood and old age. The earlier, more formative years receive special consideration because of their importance to later development. (Prerequisite: PSYC 2010) Lecture: 3 hours

### PSYC 2050 - Behavior Modification

*(3 Credits)*

This course reviews in detail basic research and data on learning, focusing primarily on operant and classical conditioning. Basic principles and theories of behavior modification are emphasized, including reinforcement, punishment and methods of collecting data in both laboratory and natural settings. Students are required to design and conduct a behavioral change project under the supervision of the instructor. (Prerequisite: PSYC 2010) Lecture: 3 hours, Lab: As required
### PSYC 2070 - Educational Psychology
(3 Credits)
This course deals with the application of psychological principles to preschool, elementary, special needs and secondary level classroom situations. Focus is on four topics essential to effective teaching: human development, learning and instruction, motivation and evaluation. Lecture: 3 hours

### PSYC 2090 - Adolescent Psychology
(3 Credits)
This is an in-depth study of the adolescent period, including significant theories of physical, cognitive and psychosocial development. The course surveys past and present sociocultural, economic and educational issues affecting the behavior of individuals from puberty into adulthood. (Prerequisite: PSYC 2010 and 2030) Lecture: 3 hours

### PSYC 2100 - Theories of Personality
(3 Credits)
This course provides a detailed review and formal representation of the major theories of personality. The role of personality theory in the development of psychology, along with the location of the major viewpoints in the contemporary scene, is emphasized. (Prerequisite: PSYC 2010) Lecture: 3 hours

### PSYC 2110 - Abnormal Psychology
(3 Credits)
This course examines a wide range of psychological and behavioral problems including theories of their causation. Emphasis is placed on evidence and problems in connection with theories of treatment ranging from Freudian analysis to learning theory. (Prerequisite: PSYC 2010) Lecture: 3 hours

### PSYC 2120 - Foundations of Psychological Research
(3 Credits)
This course surveys the basic principles of scientific inquiry followed by an intensive development of the techniques involved in conducting and reporting behavioral research. Methods of experimental control and design, use of descriptive statistics and the appropriate form and style of written research reports are covered. (Prerequisite: PSYC 2010) Lecture: 3 hours

### RENL (Renal Dialysis)

#### RENL 1010 - Renal Dialysis Technology I
(4 Credits)
This course is designed to provide students with information concerning the principles of renal dialysis; the normal operation of dialysis equipment and the procedure for performance of renal dialysis. Emphasis is placed on the procedure for the performance of renal dialysis. Content includes the technical aspects of preparing, operating, monitoring and maintaining dialysis equipment. Attention is given to medications routinely used in renal dialysis and the role of the dialysis technician. Patients' needs and safety are addressed throughout. Theoretical information is supplemented with clinical observation. Privacy issues, HIPAA requirements, standard precautions for protection of patients and personnel are emphasized. Lecture: 4 hours.

#### RENL 1020 - Patient Care and Assessment for Renal Dialysis Technicians
(3 Credits)
This course is designed to provide students with the information necessary to provide care appropriate to the renal dialysis patient. End-stage renal disease is discussed as well as methods of treatment and associated conditions. Psychosocial and dietary needs specific to patients with renal disease are discussed as is methods for patient assessment and documentation. The control of infection and measures for patient comfort and transfer are also considered. Lecture: 3 hours

#### RENL 1030 - Renal Dialysis Technology II
(6 Credits)
This course is designed to provide students with information concerning the principles of renal dialysis. The skills critical to the recognition of complications or abnormal situations as well as the appropriate responses are stressed. An examination of previously discussed patient care skills and monitoring procedures relative to emergency situation is reviewed. Emphasis is placed on standards and regulations pertinent to water treatment, quality control issues and workplace safety. Theoretical information is supplemented with clinical observation. Written case presentations, as they relate to the dialysis patient, is required. (Prerequisite: RENL 1010) Lecture: 2 hours, Lab: 4 hours, Clinical: 24 hours
# RESP (Respiratory Therapy)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESP 1000</td>
<td>Introduction to Respiratory Therapy</td>
<td>3</td>
<td>In this course, students explore current concepts in health care including patient/client care issues such as effective communication, cultural and age-specific concerns and disease management models. Health care provider topics such as professionalism, ethical and legal considerations, including credentialing and licensure are addressed. A brief overview of the U.S. health care system is discussed, addressing past and present payment structure, care settings and delivery models. An introduction to medical terminology is also included. Lecture: 3 hours</td>
</tr>
<tr>
<td>RESP 1010</td>
<td>Respiratory Care I</td>
<td>4</td>
<td>This course introduces students to the hospital and patient environment in the classroom and the laboratory. Students learn an array of respiratory therapy procedures. An overview of the structure and function of the cardio-respiratory system is examined as well as physical principles of gas flow and lung mechanics. Principles of breathing and gas exchange, including oxygen and carbon dioxide transport and arterial blood gas values and interpretation are addressed. Laboratory practice is included. (Admission to the Respiratory Therapy program) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20</td>
</tr>
<tr>
<td>RESP 1012</td>
<td>Pre-Clinical Practice</td>
<td>2</td>
<td>This course is designed to prepare students for the initial clinical experience in the program. It will emphasize students' ability to identify and follow protocols in order to carry out commonly ordered respiratory therapy procedures. Students will recognize and interpret basic findings in patient assessment, including vital signs, chest assessment, and values for blood chemistry testing. Students will be introduced to the electronic medical record and tracking system, and will participate in case simulations. (Prerequisite: Admission to the Respiratory Therapy program. Lecture: 2 hours</td>
</tr>
<tr>
<td>RESP 1100</td>
<td>Respiratory Care II</td>
<td>4</td>
<td>This course offers a detailed review of therapeutic and diagnostic techniques in respiratory care. It includes the study of both invasive and noninvasive diagnostic techniques for assessing oxygenation, ventilation, pulmonary function and electrocardiography. Students interpret graphics from these techniques, and are able to classify specific findings. Management of airway emergencies and artificial airways is included. Laboratory practice is provided. (Prerequisite: RESP 1010) Lecture: 3 hours, Lab: 3 hours. - Lab Fee: $20</td>
</tr>
<tr>
<td>RESP 1800</td>
<td>Clinical Practicum I</td>
<td>1</td>
<td>This clinical experience introduces students to the hospital environment. Emphasis is on orientation, becoming familiar with respiratory therapy department structure and procedures and use of the medical record. Medical gas therapy and incentive spirometry are applied with direct bedside teaching. (Prerequisite: Successful completion of preclinical competency testing) Clinical: 120 hours</td>
</tr>
<tr>
<td>RESP 2020</td>
<td>Cardiopulmonary Diseases I</td>
<td>3</td>
<td>This course emphasizes the study of microorganisms and control of pathogens related to cardiopulmonary disorders, the study of common cardiopulmonary disorders with emphasis on characteristics, application of diagnostics and determining appropriate therapeutic regimens. Lecture: 3 hours</td>
</tr>
<tr>
<td>RESP 2030</td>
<td>Cardiopulmonary Diseases II</td>
<td>3</td>
<td>This course continues the study of the pathophysiology of cardiopulmonary disorders and their treatment. A portion of this course emphasizes the study of cardiopulmonary disorders in pediatric patients and in the neonate. (Prerequisite: RESP 2020) Lecture: 3 hours</td>
</tr>
<tr>
<td>RESP 2110</td>
<td>Respiratory Critical Care</td>
<td>3</td>
<td>This course offers an introduction to critical care concepts and application of physiologic measures to patient care in the acute care setting. Lecture: 3 hours</td>
</tr>
</tbody>
</table>
RESP 2120 - Respiratory Care III  
(4 Credits)  
Students continue their study of critical care modalities including the principles of positive pressure breathing devices, their clinical applications and alternatives with emphasis on artificial airway management, ACLS protocols, mechanical ventilation principles of operation, management and terminology. Critical care monitoring, including hemodynamic monitoring and pharmacological control, are discussed. Laboratory practice is part of this course. (Prerequisite: RESP 1100) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

RESP 2130 - Respiratory Care IV  
(4 Credits)  
Specialized respiratory therapy is studied in-depth with emphasis on nonconventional mechanical ventilation including indications, equipment, procedures and precautions. A portion of this course focuses on pediatric and neonatal critical care modalities. Advanced cardiopulmonary diagnostics, including arrhythmia interpretation and ACLS support, rehabilitation practices, medical ethics and laws pertaining to the care of patients with cardiopulmonary disorders, are discussed. Laboratory practice is included. (Prerequisite: RESP 2120) Lecture: 3 hours, Lab: 3 hours - Lab Fee: $20

RESP 2140 - Basics of Electrocardiography  
(1 Credit)  
This course is designed to provide the health care practitioner with the knowledge and skills needed to accurately identify basic cardiac arrhythmias. A review of cardiac terminology, cardiac physiology and patient interaction before, during and after testing is included. Laboratory instruction provides hands-on practice of electrode placement, equipment set-up and troubleshooting of the electrocardiograph and practice reading ECG rhythm strips for arrhythmias. (Prerequisite: Open to individuals employed in the health care field. Knowledge of cardiac physiology required or permission of department. Recommended: Employment in health care field, knowledge of cardiac physiology or permission of instructor) Note: Phlebotomy students - see prerequisites under program requirements Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20

RESP 2800 - Clinical Practicum II  
(2 Credits)  
This clinical experience allows students to apply knowledge developed through previous and current study. Students are guided and evaluated through bedside teaching. They are exposed to the diagnostic procedure of respiratory therapy and perform specific diagnostic procedures under direct supervision by the clinical director and affiliate staff. Experience in all areas of the hospital with emphasis on respiratory therapeutics, as well as home care are provided. Interpersonal skills are practiced and assessed. (Prerequisite: Successful completion of preclinical competency testing) Clinical: 144 hours

RESP 2810 - Clinical Practicum III  
(4 Credits)  
This clinical experience allows students to apply the techniques and skills of previous and current study to hospitalized patients under direct supervision. Students are introduced to the clinical application of mechanical ventilation as well as to specialized areas of patient care through bedside teaching. In addition, students prepare a case presentation of patients in these areas. Pulmonary function training is also provided. (Prerequisite: Successful completion of preclinical competency testing) Clinical: 322 hours

RESP 2820 - Clinical Practicum IV  
(3 Credits)  
In this clinical experience, students will apply all the techniques and skills of the respiratory therapist to hospitalized patients under direct and indirect supervision by the clinical director and affiliate staff. Clinical study of mechanical ventilation is completed. Students also examine neonatal and pediatric procedures. (Prerequisite: Successful completion of preclinical competency testing) Clinical: 224 hours

RHAB (Rehabilitative Health)

RHAB 1010 - Medical Terminology for Rehabilitative Health  
(1 Credit)  
This course includes an introduction to word parts building medical terms, instruction in organization of the body, directional terms, abbreviations and an overview of the different systems in the body. Students are expected to complete the course via progression through course modules. The course is offered both on-site and on the Web. Lecture: 1 hour
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<thead>
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<tbody>
<tr>
<td>RHAB 1020</td>
<td>Fundamentals of Palpation and Body Movement Skills</td>
<td>3</td>
<td>This course is designed to focus on the concepts and principles of palpatory anatomy and kinesiology. The purpose of this course is to emphasize the development of skilled palpation as a fundamental component of effective manual therapy technique. A solid knowledge base and understanding of how muscles and joints interact based upon their structure and function will be created and enhanced through a Functional Skills Model. This Functional Skills Model combines palpatory anatomy and kinesiology, which help ingrain the accurate location of various anatomical structures through kinesthetic experience, quality of touch, and effective client communication. This model incorporates a unique, experimental, online activities, and participatory class environment, where students are able to retain information while learning to use critical and creative-thinking processes. In the Functional Skills model students will palpate the targeted muscle, which will help students gain a better understanding of the designated muscle’s location, size, texture, role in posture, and dynamic movement.</td>
</tr>
<tr>
<td>RHAB 1030</td>
<td>Pathophysiology for Rehabilitative Health Practitioners</td>
<td>3</td>
<td>This course includes a systems study of pathological conditions. The structure and function of each organ system is presented. Discussion will involve the etiology, signs, symptoms, diagnostic procedures, common medical/surgical management and the prevention of pathological processes as they affect each system. Students will understand the implications of pathological processes on physical function and contraindications and precautions for treatment. (Prerequisite: BIOL 1020 or 1070) Lecture: 3 hours</td>
</tr>
<tr>
<td>RHAB 1100</td>
<td>Foundational Kinesiology</td>
<td>3</td>
<td>This online course uses a regional approach to studying the anatomical structures that create both stability and movement in the human body. With a strong focus on musculoskeletal anatomy, the student will be guided through a basic analysis of how functional movement occurs and how the body interacts functionally with the environment. Each student will complete a muscle mapping project where the attachment points of the skeletal muscles are drawn on a real miniature skeletal model.</td>
</tr>
<tr>
<td>RHAB 1110</td>
<td>Kinesiology</td>
<td>4</td>
<td>This course covers the study of human movement and locomotion by combining human anatomy with aspects of biomechanics, muscle physiology, physical laws of gravity, leverage, and motion. This course deals with specific kinesiological functions of the musculoskeletal system with application to patient-related activities for the physical therapist assistant and the occupational therapy assistant. (Note: Restricted to OCTA, PHTA, TMSG and TMSC students. Prerequisite: BIOL 1010 or 1070) Lecture: 2 hours, Lab: 3 hours</td>
</tr>
<tr>
<td>RHAB 2010</td>
<td>Nutrition Basics</td>
<td>3</td>
<td>This is an online interactive course designed to prepare students to understand how carbohydrates, fats and proteins function in the body: how each macronutrient, alone and when combined, undergoes integrated metabolism within tissues; and how the macronutrients integrate to affect overall metabolism, disease risk and recovery. Additionally, this course will prepare students to understand how micronutrients (vitamins and minerals) play a significant regulatory role as well as the interaction between nutrients. Students will explore the variability in micronutrient requirements between individuals, outline the signs and symptoms associated with both nutrient deficiency and excess. Other topics presented within this course are the functions of nutrients in the production, quality and consumption of foods and how they are to be prepared consistent with food safety precautions, budgeting for nutritious foods, nutrition across the lifespan, and current topics in nutrition.</td>
</tr>
<tr>
<td>ROTC 1010</td>
<td>Introduction to Leadership and Military Skills</td>
<td>3</td>
<td>Under auspices of Providence College Military Science Department</td>
</tr>
<tr>
<td>ROTC 1020</td>
<td>Leadership Skills</td>
<td>3</td>
<td>Under auspices of Providence College Military Science Department</td>
</tr>
<tr>
<td>ROTC 2050</td>
<td>Leadership and Decision Making w/Lab</td>
<td>3</td>
<td>Under auspices of Providence College Military Science Department</td>
</tr>
</tbody>
</table>
ROTC 2070 - Sophomore Military Science and Lab  
(3 Credits)  
Under auspices of Providence College Military Science Department. Prerequisite: ROTC 2050. Spring semesters only.

RUSN (Russian)

RUSN 1000 - Basic Spoken Russian I  
(3 Credits)  
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

RUSN 1050 - Elementary Russian I  
(3 Credits)  
For students with some previous experience in the language. This course covers elements of the language including conversation, pronunciation, reading, writing and grammar. Aspects of Russian culture also are included. Lecture: 3 hours

SOCS (Sociology)

SOCS 1010 - General Sociology  
(3 Credits)  
This is an introductory course presenting a description and analysis of the structure and dynamics of human society. It focuses on social norms, groups, intergroup relations, social change, stratification and institutions. Social interaction and the values that orient behavior in groups are examined. Contemporary society and its problems are discussed. Lecture: 3 hours

SOCS 2020 - Marriage and Family  
(3 Credits)  
This is a survey of the basic factors of courtship, mate selection, engagement, marriage and rearing children in preparation for successful marriage and parenthood. Marital values and problems are discussed. The course studies the family as the basic unit in society and its relationship to society as a whole. Current changes in family life and their causes are examined. Lecture: 3 hours

SOCS 2030 - Urban Sociology  
(3 Credits)  
This course analyzes the influences of urban interaction on group relationships. Consideration is given to multi-factors inherent in problems pertaining to urban population movements, economic dislocations, minority-majority cultural conflicts and pluralistic power patterns. The role of public media and pressure groups also is studied as integral to contemporary urban group relationships. Lecture: 3 hours

SOCS 2040 - Sociological Perspectives of Race and Ethnic Relations  
(3 Credits)  
This is a survey of the sociological aspects of intergroup relations as they pertain to race and ethnicity. Emphasis is placed on the socio-historical conceptualization of race and ethnicity, classical and contemporary sociological theories (e.g. assimilation, theories of immigration, racialization, and typologies of racism) regarding race and ethnicity. Majority-minority relations in the U.S. are also examined. SOCS 1010 is highly recommended as a prerequisite. Note: May be taken as an alternative to SOCS 1010 in Human Services. Lecture: 3 hours

SOCS 2050 - Social Problems  
(3 Credits)  
This is a survey of the sociological aspects of major contemporary social problems in the United States. Emphasis is placed on personal pathologies (e.g., alcoholism, drug addiction, sexual pathology, suicide) population problems, educational problems, racism, sexism, ethnic problems, family problems and crime. (Prerequisite: SOCS 1010) Lecture: 3 hours

SOCS 2110 - Introduction to Anthropology  
(3 Credits)  
This course is an introduction to the basic principles and methods of cultural anthropology. Emphasis is placed on the concept of culture as a way of explaining human behavior, with illustrations from selected preliterate societies. The biocultural evolution of mankind is covered. Lecture: 3 hours
### SOCS 2120 - Sociology of Work in Formal Organizations  
*(3 Credits)*  
Students learn to think critically and develop skills for teamwork in the context of large organizations, based on sociological principles of bureaucracy, group dynamics, leadership and authority. A solid grasp of the concepts in this course enables students to analyze and articulate the basic components of large organizations, the purpose of teamwork, and the kind of skills needed to succeed as a member of a team. Lecture: 3 hours

### SOCS 2300 - Criminology  
*(3 Credits)*  
This course considers the nature of crime and the criminal who commits social infractions. Emphasis focuses equally on theoretical and applied criminology. Lecture: 3 hours

### SPAN (Spanish)

#### SPAN 1000 - Basic Spoken Spanish I  
*(3 Credits)*  
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

#### SPAN 1010 - Elementary Spanish I  
*(3 Credits)*  
This course is for students with little or no preparation and covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of Spanish and Hispanic American culture are also included. Lecture: 5 hours

#### SPAN 1020 - Elementary Spanish II  
*(3 Credits)*  
This is a continuation of Elementary Spanish I (SPAN 1010). (Prerequisite: SPAN 1010, 1030 or equivalent) Lecture: 5 hours

#### SPAN 1030 - Elementary Spanish I  
*(3 Credits)*  
Spanish 1030 is a faster paced version of Spanish 1010. This course is suitable for students with previous experience i.e. Basic spoken Spanish and / or other prior formal study of the language, prior formal study of another foreign language, or informal experience with a foreign language. The course covers elements of the language including: conversation, pronunciation, reading, writing, and grammar. Aspects of Spanish-speaking cultures are also included. Note: Course content is the same as Spanish 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor). Lecture: 3 hours

#### SPAN 1040 - Elementary Spanish II  
*(3 Credits)*  
This course is a continuation of SPAN 1030. Note: Course content is the same as SPAN 1020 with 2 less classroom hours per week. (Prerequisite: SPAN 1030, SPAN 1010 or its equivalent) Lecture: 3 hours

#### SPAN 1230 - Spanish for Law Enforcement Personnel I  
*(3 Credits)*  
This is an elective course designed for the student seeking a position in the Law Enforcement field and/or the professional already working in the career. (Language elective for Law Enforcement students) The course focuses on common situations encountered by Law Enforcement professionals providing practical communication skills development and information needed for daily work routines. Correct pronunciation and basic grammar are addressed. Lecture: 3 hours

#### SPAN 1710 - Spanish for Medical Service Personnel I  
*(3 Credits)*  
This course provides students an opportunity to master enough oral Spanish to deal directly with Spanish-speaking patients and family from hospital admission through discharge. Day-to-day dramatic re-creations of hospital experiences from the points of view of both nurse and patient help students improve proficiency in the use of spoken Spanish. Note: Elective credit for students in Nursing and Allied Health fields. Lecture: 3 hours
### SPAN 2010 - Intermediate Spanish I

(3 Credits)

This course helps students develop skill in reading and discussing texts related to Spanish and Hispanic-American culture and literature. Course work is supplemented by further work in grammar, conversation and composition. (Prerequisite: SPAN 1020 or SPAN 1040 or the equivalent. Prior preparation as noted above or permission of instructor) Lecture: 3 hours

### SPAN 2020 - Intermediate Spanish II

(3 Credits)

This is a continuation of Intermediate Spanish I (SPAN 2010). (Prerequisite: SPAN 2010 or its equivalent. Prior preparation as noted above or permission of instructor) Lecture: 3 hours

### SPAN 2210 - Advanced Spanish Conversation and Composition I

(3 Credits)

This is an intensive course in conversation and composition. Selected cultural videos, readings and classroom discussions provide an atmosphere to develop and improve speaking and understanding of Spanish. Oral presentations and written compositions are required. (Prerequisite: SPAN 2010 or permission of instructor) Lecture: 3 hours

### SPAN 2220 - Advanced Spanish Conversation and Composition II

(3 Credits)

This is a continuation of Spanish Conversation and Composition I (SPAN 2210). (Prerequisite: Permission of instructor) Lecture: 3 hours

### THEA (Theatre)

#### THEA 1080 - Introduction to Costuming

(3 Credits)

This is a basic course in costume design, including theory and practice, with units on costume history, sewing and construction. Two hours of lecture and one hour of lab weekly. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours (plus 25 hours practical costume work within the semester.)

#### THEA 1090 - Introduction to Theatre

(3 Credits)

This course introduces students to the various aspects of theatre, focusing on the ways in which a play script is translated into a full production. Functions of the playwright, actor, director and designer are covered. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours

#### THEA 1120 - Stagecraft

(3 Credits)

This course is a survey of various aspects of technical theatre with emphasis on set design, scenic construction, scenic painting and properties. An artistic approach to a unified production concept is stressed. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours (plus 25 lab hours within the semester)

#### THEA 1125 - Play Analysis for Production

(3 Credits)

This course is designed to equip students with skills necessary to use a script as a “blueprint” for production, including research, analysis and interpretation. It gives an overview of different historical eras, elements of script analysis and utilization of these elements by directors, designers and actors. Lecture: 3 hours

#### THEA 1126 - Diverse Voices in Contemporary Theatre

(3 Credits)

This course is intended to engage students in discovering the significant ideas, vibrant characters and universal themes of multiculturalism through the lens of theatre. Plays to be studied will include, but are not limited to, the works of Wilson, Nottage, Diamond, Norris, Hwang, Hudes, Lopez, Cruz and Rivera. Emphasis is on the social, cultural and philosophical implications in the representative plays. Lecture: 3 hours
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>THEA 1130</td>
<td>Origins of Theatre</td>
<td>3</td>
<td>A lecture course emphasizing the development of theatre in Western and Eastern civilization. Included are various theatrical forms and styles as reflections of the historical periods in which they grew. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours</td>
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<tr>
<td>THEA 1140</td>
<td>Acting I</td>
<td>3</td>
<td>A beginning course in acting techniques. Students participate in a variety of theatre exercises, improvisations and scenes with the purpose of self-discovery leading to character development and interpretation. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours</td>
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<tr>
<td>THEA 1150</td>
<td>Theatre for Children</td>
<td>3</td>
<td>This course acquaints students with theory and basic practices in working with children as participants in dramatic activities and with preparing theatrical productions for the child audience. Topics include creative dramatics, improvisational games, story dramatization, puppetry, script selection and analysis and play production. Students apply principles discussed to the preparation of a children's theatre production for public performance. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours</td>
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<tr>
<td>THEA 1160</td>
<td>Movement for Actors</td>
<td>3</td>
<td>A lecture-performance course in theatre considering body movement as a fundamental instrument of the actor. It deals with the basic principles, techniques and styles of movement for the actor. Major emphasis is on the various forms movement can take in creating a role (characterization) and on translating emotions into movement and dance. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Studio: 3 hours</td>
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<tr>
<td>THEA 1170</td>
<td>Theatrical Make-up</td>
<td>3</td>
<td>This course explores the use of makeup as a tool for expressing dramatic characters, as well as the history of makeup styles as they relate to character development. Students design and implement the makeup for several different characters types including basic beauty, old age and fantasy. There may be opportunities for practical hands-on implementation of makeup designs for one of the semester's theatre productions. Lecture: 3 hours</td>
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<tr>
<td>THEA 1180</td>
<td>Stage Lighting and Sound Production</td>
<td>3</td>
<td>A survey of various aspects of technical theatre, with emphasis on light and sound design and execution and stage management. The course stresses an artistic approach to a unified production concept. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours (plus 25 lab hours within the semester)</td>
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<tr>
<td>THEA 1470</td>
<td>Dance 2 Jazz and Tap</td>
<td>1</td>
<td>An introduction to the fundamental techniques of jazz and tap dance. Emphasis is placed on class participation so that students may develop their knowledge and understanding of the basic principles of jazz and tap dance, including warm-up, isolations and choreography. Jazz and tap dance history and historical jazz and tap dance figures will be explored and discussed. (Repeatable to 2 credits) Studio: 2 hours</td>
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<tr>
<td>THEA 1480</td>
<td>Dance I</td>
<td>1</td>
<td>The course explores dance as an art form through familiarizing the student with various forms such as ballet, jazz and modern dance. Intensive studio experience emphasizes the acquisition of basic dance skills, kinesthetic perception, rhythmic awareness and development of strong fundamental technique. Repeatable up to 2 credits. Studio work: 2 hours</td>
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<tr>
<td>THEA 2140</td>
<td>Acting II</td>
<td>3</td>
<td>Continuing the work begun in Acting I, this course emphasizes increased depth in performance and further practical work in characterization, text analysis and scene preparation. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) (Prerequisite: THEA 1140 or consent of instructor.) Lecture: 3 hours</td>
</tr>
</tbody>
</table>
### THEA 2145 - Acting for the Camera  
(3 Credits)
This course will expand skills introduced in Acting I to acting for the camera. Through exercises and scene study, we will develop the performer's range of emotional, intellectual, physical, and vocal expressiveness for the camera. Students will act in on-camera exercises, television scenes, and film scenes. Lecture: 3 hours

### THEA 2200 - Theatre Graphics  
(3 Credits)
This course offers a survey of U.S.I.T.T. standard graphics, drafting, rendering techniques and model construction for theatrical designs (settings, lighting and costuming). It prepares students for a major in design or theatre technology at a four-year college or university. This is a capstone course for students in the Technical Theatre track at CCRI. (Prerequisites: ENGT 1060, ARTS 1010, THEA 1120, 1180). Lecture: 3 hours

### TMSG (Therapeutic Massage)

**TMSG 1000 - Introduction to Therapeutic Massage**  
(2 Credits)
This course presents an overview of the field of massage therapy and the evolving roles and opportunities of the massage therapist within the health care delivery system is presented. Topics such as history, licensure requirements, education, employment opportunities, professional organizations and the benefits of massage are covered. Ethical issues for the massage therapist are discussed. The student will learn basic techniques for hand and foot massage. The student is required to receive one full body massage from a licensed massage therapist during the semester. Lecture: 2 hours (2.5 hours in summer due to condensed time frame)

**TMSG 1020 - Swedish Massage**  
(5 Credits)
Students will learn the five standard Swedish massage strokes, as well as complementary strokes commonly used in Swedish massage. Through demonstration and practice, the students are able to perform a full-body Swedish massage in one hour. The theoretical principles of research including scientific study of professional touch is discussed. The indications, contraindications, limitations and physiological effects of these techniques are described. Introduction to documentation is provided. Students are instructed in the scope of practice, creating professional boundaries, the therapeutic relationship, approaches to care, working with hospital based clients, proper draping methods, personal and client hygiene, obtaining a medical history, proper body mechanics, basic exercises for personal care, basic first aid, and OSHA regulations to provide a safe and nurturing practice environment. - Lab Fee: $20

**TMSG 1030 - Deep Tissue Massage**  
(5 Credits)
This course presents student with a wider and deeper understanding of soft tissue techniques and their effects on the human body. Students are instructed in specific patterns for common pathological condition, the use of trigger point therapy, deep tissue manipulation, fascial restrictions to abnormalities and postural analysis. Origin, insertion, and action of major muscles will be reviewed. The indications, contraindications, limitations and physiological effects of these techniques will be discussed description along with the effects of stress and disease. Students will focus on determining and applying the appropriate modality to achieve the goals. Students will learn an introduction to the lymphatic system and how it works. Students will learn about the flow of lymphatic fluid, lymph nodes, and basic protocols along with contraindications. The course applies concepts from, anatomy, kinesiology, neuromuscular assessment and evaluation. Laboratory experience will provide students with the opportunity to become comfortable with the techniques, proper body mechanics, obtaining medical history and therapeutic relationships. Through demonstration and practice, the student will be able to complete a treatment plan and be able to perform a full body massage and receive a full body massage, using a variety of deep tissue techniques. Professional behaviors in the classroom setting are expected at all times and are evaluated each class. - Lab Fee: $20

**TMSG 1040 - Introduction to Eastern Modalities**  
(2 Credits)
Students explore eastern modalities in health and wellness care. Primary focus is an introduction to the history, theory and basic practice of shiatsu therapy and acupressure. This includes a study of selected meridians, acupoints and other aspects of traditional Chinese medicine. The indications, contraindications, limitations and effects of shiatsu and acupressure are described. Students learn methods and terminology for documentation. Laboratory experience provides students with the opportunity to become comfortable with the techniques, proper body mechanics, obtaining medical history and therapeutic relationships. Through demonstration and practice, students will perform safe and effective treatment on the shiatsu mat and on a massage chair. Students also learn techniques for integrating shiatsu and acupressure into their Swedish massage, and explore how to practice massage in a more embodied, mindful, compassionate, and ecologically attuned way. Students encounter a range of additional modalities including qi gong, yoga, t'ai chi, meditation, and feng shui. Participation in all aspects of this course is required.
### TMSG 1140 - Integrating Eastern and Western Techniques  
(2 Credits)

Students will learn clinical applications of eastern modalities in the integrative clinical practice of massage therapy. Specifically, they learn how to integrate eastern body mechanics, mind-body techniques, and meridian/acupoint work into Swedish and/or deep tissue massage treatments. Students will explore integrative massage strategies for addressing chronic low back pain with a goal of preventing or reducing a client's use of prescription opioid medication. Students will also explore contemporary clinical acupuncture and acupressure research in the development of an integrative massage treatment protocol for a particular client population. Participation in all aspects of this course, which includes regular qi development exercises, mind-body cultivation, and integrative massage practice outside of class hours, is required.

### TMSG 2010 - Introduction to Sports Massage  
(2 Credits)

This course serves as a basic introduction to the role of the Sports Massage Therapist; the course applies concepts from anatomy, orthopedic massage and will focus on the uses of massage in sports activities. Students will understand the benefits and learn techniques for pre-event, inter-event, post-event and maintenance massage. Students will gain skill in treatment session planning, palpation assessment and documentation. An overview of common sports injuries and conditions will be presented. Musculoskeletal concerns will be examined. Hydrotherapy as an adjunct to tissue and muscle healing will be addressed. Specific hydrotherapeutic methods will be reviewed and presented in laboratory sessions. - Lab Fee: $20

### TMSG 2020 - Student Massage Clinic  
(3 Credits)

This course marks the first part of the student’s clinical education, it focuses on integrating skills learned in previous courses; community outreach and educating the public to the benefits of clinical massage therapy. The course is conducted at the college providing massage services to clients within the community. Students will set up and run the in-house clinic under the supervision licensed program faculty, with the emphasis on clinic policies and procedures, clinical behavior, professionalism, interview skills and develop treatment plans, ethics and proper client care. Students will gain experience relative to a massage office practice, marketing, record keeping, scheduling clientele, basic accounting procedures, and ensuring compliance with OSHA standards, blood borne pathogens and HIPAA training. - Lab Fee: $20

### TMSG 2021 - Massage Practice Business Theory  
(2 Credits)

This course focuses on providing students with knowledge of business management skills for massage practitioners. Students will demonstrate skills in business management including financial organization, accounting basics, taxes and maintaining proper documentation. Topics include legal and ethical issues, record-keeping, taxes, pricing, bookkeeping, inventory maintenance, interviewing skills and resume development. The student will be provided with an overview of OSHA, HIPAA and ADA regulations as they relate to the massage profession. (Prerequisite: RHAB 1110, 1030, TMSG 1020, 1030) Lecture: 2 hours

### TMSG 2030 - Clinical Internship I  
(2 Credits)

The focus of this course is to gain experience providing massage therapy services to the healthy population, or to special populations including those with various pathologies and injuries. Students will be supervised by qualified healthcare providers employed at various community and healthcare facilities. Clinical placements are available in a variety of settings including private offices, nursing homes, group homes, athletic training facilities and hospitals. In addition to gaining clinical experience, students will participate with record maintenance, accounting procedures, and ensuring OSHA standards in the health care environment.

### TMSG 2040 - Foundation of Evidence-Based Outcomes for Massage Therapists  
(3 Credits)

This course is designed to provide students with information necessary to evaluate the effectiveness of various massage techniques, with client populations under various conditions. The emphasis is to provide the student with skills to conduct a literature search, appreciate the value of evidence-based practice for massage therapists, to critically evaluate research studies, and to use the information to design more effective treatment plans. Students will demonstrate the ability to use this evidence to inform consumers, health care providers, government agencies, and professional association of the value of massage in the health care system. (Prerequisites: RHAB 1110, 1030, TMSG 1020, 1030, 2010, 2020, 2021; Corequisites: TMSG 2030, 2135) Lecture: 3 hours

### TMSG 2110 - Advanced Sports Massage  
(3 Credits)

The role of the Sports Massage Therapist in the athletic setting will be expanded. The course will focus on the uses of massage in the athletic training environment. Students will learn to recognize and apply specific massage skills for Repetitive Use Injuries, including hamstring strains, shoulder, knee and foot pathologies. Application of techniques for these specific problems will provide opportunities for psychomotor mastery that will be
evaluated in hands on sessions. Indications and contraindications for heat and cold applications an adjunct to tissue and muscle healing will be addressed. Specific methods such as muscle energy techniques, including proprioceptive neuromuscular facilitation (PNF), a comparison of types of stretching methods and self-myofascial release techniques will be demonstrated in hands on sessions. Students will learn about overtraining syndrome causes and effects and the role of massage in supporting the over-trained athlete. An introduction to the Kinesio Taping method will also be provided outlining foundational concepts of this modality and specific applications for minor repetitive use conditions. - Lab Fee: $20

TMSG 2130 - Clinical Internship II
(2 Credits)
The focus of this course is to gain experience providing massage therapy to the healthy population, or to special populations including those with various pathologies and injuries. Students will be supervised by qualified healthcare providers employed at various community and healthcare facilities. Clinical placements are available in a variety of settings including private offices, nursing homes, group homes, athletic training facilities and hospitals. In addition to gaining clinical experience, students will participate with records maintenance, accounting procedures, and ensuring OSHA standards in the health care environment.

TRVL (Travel and Tourism)

TRVL 1010 - Introduction to Travel and Tourism
(3 Credits)
This course provides an overview of the travel and tourism profession. Students explore a full range of travel products and destinations, as well as the business and technical skills necessary to begin a productive travel career. Lecture: 3 hours

TRVL 1015 - Introduction to Travel, Tourism and Hospitality
(3 Credits)
This course is an introduction to the travel, tourism, and hospitality industry. It explores the structures, products and services of industry suppliers, such as transportation companies, attractions, hotels and other lodging providers, and of marketing organizations, such as travel agencies, tour packagers and destination-promotion organizations. The course provides students with an overview of this specific area of study with an emphasis on industry trends and future developments, terminology and an understanding on interrelationships of the three. Lecture: 3 hours

TRVL 1020 - Destination Geography
(3 Credits)
The major purpose of this course is to familiarize the student with basic travel geography as it relates to the travel and tourism industry. Major attractions of various countries at specific times, including cultural, industrial, historical and artistic displays are emphasized; and seasonal attractions such as festivals, camping and sports, etc., are also included. Lecture: 3 hours

TRVL 1025 - Principles of Food and Beverage Management
(3 Credits)
This course introduces students to the basic principles of food and beverage management. Students will learn concepts related to product purchasing, receiving, storing and issuing; and quality food production standards. Managing buffets, banquets and catered events and standardizing recipes are also addressed. Lecture: 3 hours

TRVL 1035 - Travel Sales and Tour Planning
(3 Credits)
This course covers the essentials of tour planning and selling travel products. Topics include tour operations, components of a tour, tour management positions, and characteristics of professional tour guides. Customer service and sales are also reviewed in respect to researching and recommending appropriate travel products such as tours and cruises. Lecture: 3 hours

TRVL 1045 - Lodging Management and Guest Service
(3 Credits)
This course is designed to provide students with a basic understanding of front office operations within the hospitality industry. Topics include hotel classification and organization, the front office guest cycle, security, housekeeping operations, and revenue management. Students will also participate in the Guest Service Gold program and take the corresponding exam to earn their Guest Service Gold certificate through the American Hotel and Lodging Association. Students will also tour a local hotel. Lecture: 3 hours
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>TRVL 1100</td>
<td>Hospitality and Travel Technology</td>
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<td>This introductory course provides</td>
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<td>travel and tourism industry.</td>
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<td>Students gain a basic understanding</td>
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<td>and global distribution systems</td>
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<td>using simulation software. Lecture</td>
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<td>TRVL 1125</td>
<td>Introduction to Sport Management</td>
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<td>international, and professional</td>
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<td>sports. Key areas of study</td>
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<td>include the history of sport;</td>
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<td>ethical aspects of sports;</td>
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<td>facilities management and related</td>
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<td>support industries; sport agency;</td>
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<td>sponsorship; the sporting goods</td>
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<td>and licensed products industries;</td>
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<td>event management; recreation</td>
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<td>management; and more. Lecture: 3</td>
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<tr>
<td>TRVL 1135</td>
<td>Introduction to Events Management</td>
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<td>This course introduces the process</td>
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<td>implementing a wide range of</td>
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<td>few attendees to major expositions</td>
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<td>Strategic planning, risk</td>
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<td>management, the event program,</td>
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<td>and event planning are key</td>
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<td>components of the course. Students</td>
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<td>well as site planning and event</td>
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<td>promotion. Lecture: 3 hours</td>
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<tr>
<td>TRVL 1145</td>
<td>Introduction to Casino Management</td>
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<td>This course analyzes the operations</td>
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<td>of casinos, and examines the many</td>
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<td>internal and environmental cultures</td>
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<td>casino. Students will study the</td>
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<td>structures of the casino</td>
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<td>and their function. Attention will</td>
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<td>be placed on the casino resort</td>
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<td>and the organization and function</td>
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<td>beverage department, meetings</td>
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<td>and conventions, and entertainment</td>
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<td>divisions. Students will also</td>
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<td>visit a local casino. Lecture: 3</td>
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<td>TRVL 2010</td>
<td>Computer Reservation Systems I</td>
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<td>This course is designed to give</td>
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<td></td>
<td>computerized software programs,</td>
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<td>like SABRE, for ticketing on</td>
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<td></td>
<td>airlines, hotels and motels, car</td>
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<td></td>
<td>rental agencies and other</td>
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<td></td>
<td>essentials parts of travel.</td>
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<td>Students start with the basic</td>
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<td></td>
<td>steps of building a passenger</td>
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<td>name record to the complicated</td>
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<td></td>
<td>entries of extensive travel</td>
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<tr>
<td></td>
<td>itineraries. (Prerequisite: TRVL 1010 and 1020 or permission of instructor) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20</td>
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<tr>
<td>TRVL 2020</td>
<td>Travel Agency Operations and</td>
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<td></td>
<td>Administration</td>
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<td></td>
<td>This course provides students</td>
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<td>with the background necessary to</td>
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<td></td>
<td>handle the day-to-day operations</td>
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<td>of a travel agency. It provides a</td>
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<td>thorough understanding of agency</td>
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<td>business, including conference</td>
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<td>requirements, location and</td>
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<td>staffing, reservations and</td>
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<td>bookings, sales reports, agency</td>
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<td>record-keeping and commissions</td>
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<td></td>
<td>tracking. (Prerequisite: TRVL 1010 and 1020 or permission or instructor) Lecture: 3 hours</td>
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<td>TRVL 2030</td>
<td>Conference and Convention Planning</td>
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<td>This course develops an</td>
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<td>understanding of the skills</td>
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<td>required to plan and conduct</td>
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<td></td>
<td>successful meetings and</td>
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<td>conventions. Topics covered</td>
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<td>include setting up timetables,</td>
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<td>selecting meeting sites,</td>
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<td>negotiating, menu planning and</td>
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<td></td>
<td>budgeting. Lecture: 3 hours</td>
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<tr>
<td>TRVL 2110</td>
<td>Computer Reservation Systems II</td>
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<td>This course further expands the</td>
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<td>skills developed in the Computer</td>
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<td>Reservation Systems I course. It</td>
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<td>will provide the student with an</td>
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<td>opportunity to complete the most</td>
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<td>advanced areas of airline computer</td>
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<td>reservation systems. (Prerequisite: TRVL-2010 or permission of instructor) Lecture: 2 hours, Lab: 2 hours - Lab Fee: $20</td>
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<tr>
<td>TRVL 2580</td>
<td>Travel, Tourism and Hospitality</td>
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<td>Workplace Experience</td>
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<td>This is a planned and supervised</td>
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<td>cooperative work experience that</td>
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<td>provides students with an</td>
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<td>opportunity to observe and</td>
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<td>participate in a work environment</td>
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<td>related to their academic</td>
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<td>interests. Students attend class</td>
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<td>on campus during weeks one through</td>
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<td>five then work approximately 13</td>
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<td>hours a week in an approved</td>
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<td>Cooperative Work Experience</td>
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<td>Placement during weeks six through</td>
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<td>15. (Prerequisites: Enrollment in</td>
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</tbody>
</table>
|             | the Travel, Tourism and
Community College of Rhode Island

Hospitality certificate program and completion of 15 credits in that program, and 2.0 GPA or permission of instructor) Lecture 25 hours total, CO-OP: 130 hours total

**XRAY (XRAY - Radiography)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>XRAY 1000</td>
<td>Introduction to Radiography</td>
<td>(3)</td>
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<tr>
<td>XRAY 1010</td>
<td>Clinical Radiography</td>
<td>(3)</td>
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<tr>
<td>XRAY 1110</td>
<td>Principles of Radiography I</td>
<td>(3)</td>
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<tr>
<td>XRAY 1130</td>
<td>Radiographic Anatomy and Physiology</td>
<td>(3)</td>
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<tr>
<td>XRAY 1220</td>
<td>Principles of Radiography II</td>
<td>(3)</td>
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<tr>
<td>XRAY 1230</td>
<td>Patient Care for Radiographers</td>
<td>(1)</td>
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<tr>
<td>XRAY 1910</td>
<td>Radiography I</td>
<td>(6)</td>
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<tr>
<td>XRAY 1920</td>
<td>Radiography II</td>
<td>(6)</td>
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</tbody>
</table>

This course is designed to give prospective Radiography students an introduction to allied health professions in general and to diagnostic imaging in particular. Topics include admission and graduation requirements for health programs. Medical terminology and an overview of anatomy is taught, along with basic imaging concepts. Radiation safety and patient care issues are addressed. Note: This course is a requirement for Radiography students but is open to all students. (Prerequisite: ENGL 1010) Lecture: 3 hours

This course familiarizes students with the field of radiological technology. Topics include basic anatomy, radiation protection and safety, as well as medical ethics and law as related to radiographic practice. The anatomy, positioning and film critique for selected procedures are included and coordinated with laboratory practice and clinical application. Students are assigned to a four-week clinical rotation upon successful completion of the classroom and lab portion of this course. Lecture: 2.5 hours per week/6 weeks, Lab: 3.5 hours per week/6 weeks, and Clinical: 40 hours/week for 4 weeks. - Lab Fee: $20

This course introduces students to the principles of radiographic exposure, image production and the prime factors in radiography. Lecture: 3 hours

This course is a study of basic anatomy and physiology and provides students with the opportunity to develop an understanding of the normal functions of organs and body systems as a basis for radiological examination. Lecture: 3 hours

This course is a continuation of XRAY 1110 and is designed to give the student a thorough knowledge of the manipulation of exposure factors and to construct technique charts. Lecture: 3 hours

This course is designed to develop skills needed to address the needs of patients in the radiology department. Medical asepsis, patient assessment, communication skills, patients' rights and standard of care are addressed, in addition to routine and emergency care. Lecture: 1 hour

This course is a study of basic positioning for extremities, chest, abdomen and the bony thorax. Proper patient communication, radiation protection and identification of structures on radiographs are incorporated into each unit of study. This course is coordinated with practical application in the radiography laboratory and at the affiliated hospital. (Prerequisite: XRAY 1010 and XRAY 1110) Lecture: 3 hours, Lab: 2 hour, Clinical: 16 hours per week - Lab Fee: $20

This course is a study of the vertebral column, skull and facial bones. This course also studies the alimentary canal, biliary tract and the urinary system in relationship to the contrast agents and positioning utilized for each examination. This course is coordinated with practical application in the radiography laboratory and at the affiliated hospital. Lecture: 3 hours, Lab: 2 hours, Clinical: 16 hours per week - Lab Fee: $20
### XRAY 1930 - Radiography III
(6 Credits)
This course is designed to expand the students' working knowledge of technique formulation and conversion factors; to understand the use and limitations of the X-ray tube; to develop an understanding of the function and use of various types of imaging equipment and accessories; and to examine methods for producing radiographic images in fluoroscopy, the operating room and at the patient's bedside. This is related to the students' ongoing clinical experience and their use of computer-assisted imaging modalities in a hospital setting. Lecture: 3.75 hours, Clinical: 30 hours per week.

### XRAY 2340 - Quality Assurance in Radiography
(1 Credit)
This course is designed to examine the effective functioning of a radiology department. Methods for evaluating quality, equipment testing and documentation will be discussed, as well as the role of the registered radiographer in maintaining quality. Lecture: 1 hour.

### XRAY 2410 - Introduction to Radiation Biology
(3 Credits)
This course presents basic radiobiology in relationship to the possible genetic and somatic effects of radiation dependent upon dose and the rate to specific types of human cells, organs, and systems. Every known method used to limit ionizing radiation from diagnostic examinations is presented. Lecture: 3 hours.

### XRAY 2430 - Sectional Imaging
(3 Credits)
This course is a study of human anatomy from a sectional perspective. The anatomy of the head, neck, thorax, abdomen, pelvis and vertebral column are studied. This anatomy is related to the use of computer-assisted imaging modalities. Common pathological findings in each area are discussed. Lecture: 3 hours.

### XRAY 2460 - Principles of Imaging Diverse Patient Populations
(3 Credits)
This course allows students to apply their knowledge of radiographic imaging and patient care to a variety of non-traditional patient populations such as pediatric, geriatric, and trauma patients. Prerequisites: XRAY 1220 and 1920 Lecture: 3 hours.

### XRAY 2470 - Radiographic Pathology
(1 Credit)
This course examines the most common congenital and acquired diseases that are demonstrated radiographically. Etiology, symptoms, treatment and prognosis are discussed. Students evaluate the quality of radiographs of patients with these conditions. Lecture: 1 hour.

### XRAY 2910 - Radiography IV
(7 Credits)
This course deals with the specialized and highly technical procedures in radiography, the equipment and contrast media employed and the general indications for each examination. This course is coordinated with practical application in the radiographic laboratory and the clinical affiliate, where practical skills associated with these procedures are developed. Lecture: 3 hours, Lab: 2 hour, Clinical: 24 hours per week - Lab Fee: $20.

### XRAY 2920 - Radiography V
(4 Credits)
This course requires students to prepare a research project that forms the basis for a written paper and an oral presentation. Students are also required to read and evaluate material on selected topics in health care and new imaging modalities. Mastery of previously learned material is evaluated by comprehensive examinations. Mastery of clinical skills built on previously learned material is also evaluated. Observations in associated imaging modalities is required. Lecture: 1 hour, Clinical: 24 hours per week.
FERPA Notification

- Notification of Student Rights Under FERPA
- Public Notice for Directory Information Under FERPA
- Solomon Amendment

NOTIFICATION OF STUDENT RIGHTS UNDER FERPA
The Family Educational Rights and Privacy Act (including its implementing regulations, “FERPA”) affords students certain rights with respect to their education records, as defined in FERPA. These rights include:

1. The right to inspect and review the student’s education records within 45 days of the day the community college receives a request for access.
   a. A student should submit to the Office of Enrollment Services the “Student Request To Inspect and Review Education Records” form that identifies the record(s) the student wishes to inspect. The Office of Enrollment Services will make arrangements for access and notify the student of the time and place where the records may be inspected.

2. The right to request the amendment of the student’s education records that the student believes are inaccurate, misleading or otherwise in violation of the student’s privacy rights under FERPA.
   a. A student who wishes to ask the community college to amend a record should write the community college official responsible for the record (as identified by the Office of Enrollment Services), clearly identify the part of the record the student wants changed and specify why it should be changed.
   b. If the community college decides not to amend the record as requested, the community college will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment at the Office of the Associate Vice President for Student Services. Any additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the community college discloses personally identifiable information from the student’s education records, except to the extent that FERPA authorizes disclosure without consent.
   a. The community college discloses education records without a student's prior written consent under one FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the community college or the Rhode Island Board of Education (the "RIBE") in an administrative, supervisory, academic, research or support staff position (including law enforcement unit personnel and health staff); an individual or a private or governmental entity (including, for example, any other institution in the Rhode Island system of public higher education) with whom the community college or the RIBE has contracted as its agent to provide a service to the community college instead of using community college or RIBE employees or officials (such as an attorney, auditor or collection agent), whether or not that individual or entity is compensated for that service; a person serving on the RIBE; or a student or volunteer serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.
   b. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the community college or the RIBE.
   c. The community college discloses education records without a student's prior written consent to third-party contractors, vendors, consultants, volunteers, etc., providing certain institutional services and functions as school officials.
   d. Upon request, the community college also discloses education records without consent under another FERPA exception to officials of another school in which a student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.
   e. FERPA contains other exceptions to a student’s right to provide written consent before the community college discloses personally identifiable information from the student’s education records.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the community college to comply with the requirements of FERPA.
   a. The name and address of the office that administers FERPA is:
      
      **Family Policy Compliance Office**
      U.S. Department of Education
      400 Maryland Avenue, SW
      Washington, DC 20202-5901

PUBLIC NOTICE FOR DIRECTORY INFORMATION UNDER FERPA
The Family Educational Rights and Privacy Act (including its implementing regulations, “FERPA”) requires that the community college, with certain exceptions, obtain a student’s consent prior to the disclosure of personally identifiable information from the student’s education records. The community college, however, may disclose appropriately designated “directory information” without the student’s written consent, unless the student has advised the community college to the contrary in accordance with the community college’s procedures. Directory information is information
contained in an education record that would not generally be considered harmful or an invasion of privacy if disclosed. Directory information may be used in community college publications, and may be disclosed to any person or organization whether or not affiliated with the community college, without the student’s written consent.

The community college has designated the following types of personally identifiable information concerning a student as directory information:

- Name
- Address
- Official community college electronic mail address
- Major field of study
- Dates of attendance
- Class level
- Enrollment status (enrolled or not, full time or part time)
- Participation in officially recognized activities and sports
- Degrees, honors and awards received (including dates)
- Existence or nonexistence of a pending or accepted application for enrollment
- Most recent educational agency or institution attended

SOLOMON AMENDMENT
The Solomon Amendment is a federal law, effective October 1998, that allows military recruiters to access "Student Recruitment Information" on students age 17 and older. Failure to comply may result in the loss of various forms of federal funding and Federal Student Aid. The Department of Education has determined the Solomon Amendment supersedes most elements of FERPA. An institution is therefore obligated to release data included in the list of "student recruiting information."

If a student does not want the community college to disclose directory information from the student's education records without her or his prior written consent, the student must sign and deliver (in person or notarized) to the Office of Enrollment Services ("OES") the form entitled "Refusal To Permit Designation of Directory Information." Any "Refusal To Permit Designation of Directory Information" is effective for the remainder of the academic year during which it is signed and delivered by the student unless it is withdrawn as required on the form. Any "Refusal To Permit Designation of Directory Information" will not apply in a subsequent academic year during which the student attends the community college unless renewed. There is no deadline for signing and delivering a "Refusal To Permit Designation of Directory Information," but until it is signed and delivered, it will be assumed that the above information may be disclosed for the remainder of the current academic year.