Bunker Hill Community College

Fall 2013 Credit Courses

Day • Evening • Midnight • Weekend • Online • Distance Learning • Self-Directed Learning

www.bhcc.mass.edu/courseschedules
APPLY FOR ADMISSION.
If you are planning to enroll in a degree or certificate program, complete an admissions application. There is a $10 application fee for Massachusetts residents and a $35 application fee for students from out of state. (Please refer to page 61-62 to qualify for Massachusetts resident rate.) Submit a copy of your official final high school transcript, diploma, or GED. (High school degrees earned outside of the U.S. must be translated and evaluated into U.S. equivalencies.) Submit official college transcript(s) if you plan to transfer credit to BHCC. If you are not seeking a degree and just want to take classes, you do not need to complete this step. For further information you may attend one of our weekly information sessions and campus tours which are held every Wednesday evening at 5:00 p.m. at our Charlestown Campus. For more information contact the Admissions Office at 617-228-3398.

APPLY FOR FINANCIAL AID ONLINE.
Financial assistance is available to help you finance your education. Go to www.fafsa.ed.gov and fill out the FAFSA form. When completing the FAFSA online, be sure to list Bunker Hill Community College in the “Schools Information Section.” BHCC’s code is 011210. Once BHCC has received your FAFSA, you will be notified of any additional requirements. Please note that financial aid requires enrollment in a degree or certificate program, therefore applying for admissions is necessary. For additional information about financial aid, please go to: www.bhcc.mass.edu/inside/503

TAKE THE PLACEMENT TESTS.
Computerized Placement Tests (CPTs) in reading, math and English are required if you are planning to enroll in a degree or certificate program or if you are registering for a course that requires a prerequisite of reading, math, or English. Testing is done on a walk-in basis at the Assessment Center on the Charlestown Campus, 1st floor, room B118. There is no charge to take the CPT. If you have completed a math or English course with a grade of C or higher at an accredited institution, you may be eligible for exemption from testing. Call the Admissions Office at 617-228-3398 for further information. For hours, locations, information on preparing for the assessment, and details on assessment exemption, please go to: www.bhcc.mass.edu/inside/126

REGISTER FOR CLASSES.
Accepted students will be invited to attend a special group advising and registration session, referred to as “START SMART ORIENTATION.” Information about registering for a START SMART ORIENTATION Session will be mailed to you with your acceptance letter from the College. Non-degree seeking students may register during posted registration hours. At the beginning of each semester, accepted students are assigned to an Academic Advisor who will work with them to develop an academic plan. Advisors are also available to assist students in achieving their academic, vocational and personal goals.

PAY FOR CLASSES.
Fall courses must be paid for on or before July 10, 2013. If you register on or after July 10, payment will be due on the same day that you register. There are four ways to pay for courses: 1) have a financial aid award already pending on your BHCC account; 2) pay for the classes in full online; 3) Create a payment plan on BHCC online; or 4) submit a third-party commitment letter or purchase order to the Student Payment Office. If registering for 9 credits or more, students must pay for the College’s Health Insurance ($1,049) or if eligible, students may waive BHCC’s Health Insurance. The following cannot be used to waive health insurance: Commonwealth Care; Free care at a hospital; insurance policy of a foreign carrier; accident insurance; travel insurance; or Mass Health obtained as a dependent.

SUBMIT YOUR IMMUNIZATION DOCUMENTATION.
If you are registering full time or are in a health career program, you must complete an immunization record form and return it to the Admissions and Registration desk within 30 days of the date of registration. Immunization forms are available at the Admissions and Registration Desk in room B203.

OBTAIN YOUR BHCC IDENTIFICATION CARD.
BHCC students are required to carry a current BHCC OneCard while on campus. Bring a copy of your current class schedule and government issued photo ID to the Charlestown Campus ID station in the Library in room E300 or Chelsea Campus ID station in Room 202 to get your picture taken. For ID station hours visit http://www.noblenet.org/bhcc/idcard.html

OBTAIN YOUR PARKING PERMIT.
If you wish to park on campus you must purchase a BHCC parking permit valid for the entire semester. Student permits are available for purchase early at any time by going online at onlineservices.bhcc.mass.edu. Click on Web Advisor for Students, and then click on Purchase a Parking Permit. Complete the application and payment. Permits will be mailed to the address entered on the application. Be sure to enter your address correctly as we are not responsible for lost or stolen permits. Allow seven (7) days for mailing. You may display your purchase receipt on your dashboard until permit arrives. To obtain a permit the following items are required:

- A BHCC College ID number
- A current BHCC registration
- A current driver’s license
- Vehicle registration information
- Payment in the amount of $30 payable by American Express, Discover, Master Card, Visa, and personal checks accepted online.

Only one permit per student will be issued. Note: Students whose accounts are in default will not be issued a permit. The cost for a replacement permit is $50.

ONLINE SERVICES AND EMAIL.
BHCC offers all students secure, easy online access to academic/financial records and course availability information. Currently enrolled students may access their online account, WebAdvisor, http://onlineservices.bhcc.mass.edu. Newly accepted degree/certificate students will receive information about their WebAdvisor account and their BHCC email account with their acceptance letter from the College. New non-degree students will have access to their online services account after completing their initial registration with the College. BHCC correspondence will be sent to your BHCC email account. Email accounts are assigned to all registered students. You will receive a letter from the college with your BHCC email address and initial password. Students are required to check their emails frequently for up to date information concerning your academic record.
Registration for Fall 2013 Courses begins on May 7, 2013

Currently Enrolled Students May Register on April 9, 2013

Registration Options

By Scheduled Group Sessions:
Accepted students including new to college, transferring from another accredited institution, or readmitting after an absence of two or more consecutive semesters, must attend a special group registration, referred to as “start smart orientation.” Upon acceptance, you will receive information on scheduling a start smart orientation session for advising and registration. For questions concerning your acceptance, please contact the Admissions and Registration Office at 617-228-3398.

Online:
Currently enrolled students are required to register online using their myBHCC account. Registration for currently enrolled students begins April 9, 2013. To access online registration log in to our BHCC website (www.bhcc.mass.edu) and click on myBHCC or BHCC Portal. If you have a problem logging in, please contact the student help line at 617-228-3441. If you have problems registering for classes, please contact the Academic Records Office at 617-228-2403 or visit the Admissions and Registration desk, 2nd floor, main lobby, Charlestown campus or Enrollment Services on the Chelsea campus. Paper registrations will only be accepted at the Admissions and Registration desk for students with special circumstances as referred by an advisor.

By Fax:
Students registering by fax must complete the registration form on the inside back cover of this publication and fax the form with all required documents and full tuition payment (see payment information on page 3) to 617-228-3481 by the deadline listed in the Academic Calendar. Registrations received by the close of business (7:00 p.m.) will be processed the same day. Registrations received after the close of business (7:00 p.m.) will be processed the next business day. A confirmation will be mailed to you.

Continuous Walk-in Registration:
Non-degree seeking students may register at the Admissions and Registration desk, located in the main lobby of B-building on the Charlestown campus, and at the Enrollment Office on the Chelsea campus on the following days and times:

Mondays-Wednesdays: 8:30 a.m.-7:00 p.m.
Thursdays: 11:00 a.m.-7:00 p.m.
Fridays: 8:30 a.m.-4:00 p.m.

Community Education (Non-Credit Courses)
Students may register for Community Education courses throughout the semester. Community Education courses are non-credit classes taken to enhance computer skills, improve performance in the workplace, sharpen artistic skills, or for personal enrichment. Students who wish to register for a non-credit course may register in person at the Admissions and Registration desk on the Charlestown campus, 2nd floor, main lobby or by contacting the Community Education Office at 617-228-2462. Payment is required at the time of registration. The cost of each course is listed beside the title of the course. Contact the Community Education Office for further information at www.bhcc.mass.edu/ce.

All Students Registering for Fall 2013 Classes Must:
1. Show a government issued photo ID (if in person); and
2. Provide or have provided a completed application for Massachusetts In-State Tuition form (pages 61-62) and all supporting documentation to receive the in-state tuition rate; and
3. Provide proof of meeting course prerequisites: Placement testing or completion of appropriate BHCC coursework; or provide a transcript from another accredited institution verifying completion of appropriate coursework with a passing grade.
4. Pay for courses by the payment due date or make payment arrangements.

Fall 2013 Semester Dates
Fall Semester ............... September 3-December 22
Mini Session I ............... September 16-November 3
Mini Session II ............... November 4-December 22
Late Start Web Courses .... September 16-December 15

The Higher Education Opportunity Act (HEOA) Textbook Provision (Effective July 1, 2010)

What Does This Mean to Students?
Prior to or during registration, students will be provided with accurate course material information including the International Standard Book Number (ISBN) and retail price when available for each course listed in this course schedule booklet, or may otherwise indicate “to be determined.” Course material information is listed on the college bookstore web page at http://bhcc.bncollege.com. Students may click on the textbook tab at the top of the page and follow the directions.

Why is This Important to Students?
Students are given the convenience of buying their books at the same time they register with the added assurance that they are buying the right books for the right course; Students are made aware of the total cost of the course: tuition, fees, textbook, and materials; Students are provided information on whether or not a book is required or recommended, giving students the option to purchase.
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Fall 2013 Academic Calendar

- **Last day for fax registration for credit courses**: August 15
- **Last day for fax registration for online courses**: August 30
- **Last day to register for classes**: August 30
- **Classes begin**: September 3
- **Schedule Adjustment (add/drop) deadline** *(Excluding Mini Sessions)*: September 10
  - *Courses meeting TWICE a week; a student may add a course before the start of the second class meeting.*
  - *Courses meeting ONCE a week; a student may not add a course that has already met.*
- **Financial aid recipients must register for mini session and web late start courses by September 10.**
  - **Last day for fax registration for online late-start (WBL) courses**: September 13
  - **Web Late Start (WBL) courses begin**: September 16
  - **Web Late Start (WBL) Schedule Adjustment (add/drop) deadline**: September 23
  - **First day to apply for graduation**: October 1
  - **Last day to register for CSDL courses**: October 1
  - **Columbus Day Holiday – no classes**: October 14
    - *Evening credit courses will be made up during the semester. Faculty will work with Academic Records Office for room availability.*
  - **Last day to apply for graduation**: October 31
  - **Veterans’ Day – no classes**: November 11
    - *Evening credit courses will be made up during the semester. Faculty will work with Academic Records Office for room availability.*
  - **Last day for course withdrawal**: November 13
  - **Thanksgiving Day Recess – no classes**: November 28-December 1
  - **Last day to officially withdraw from the college**: December 12
  - **Classes end**: December 15
  - **Web Late Start Classes end**: December 15
  - **Final exams**: December 16-19
  - **Final exam make-up day**: December 20
  - **Weekend College exams**: December 20-22

**Mini Session I**

<table>
<thead>
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<th>Date(s)</th>
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<tr>
<td>Mini Session I classes begin</td>
<td>September 16</td>
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<tr>
<td>Schedule Adjustment (add/drop) deadline</td>
<td>September 18</td>
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</tbody>
</table>
  - *A student may not add a course that has already met.*
| Last day for Mini Session I course withdrawal | October 16    |
| Mini Session I classes end                     | November 3    |

**Mini Session II**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date(s)</th>
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<tr>
<td>Mini Session II classes begin</td>
<td>November 4</td>
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<tr>
<td>Schedule Adjustment (add/drop) deadline</td>
<td>November 6</td>
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</tbody>
</table>
  - *A student may not add a course that has already met.*
| Last day for Mini Session II course withdrawal| December 4    |
| Mini Session II classes end                   | December 22   |
Tuition & Fees

Massachusetts Residents (MA) $141/credit
Per credit: $24 Tuition/$112 College fees/$5 Technology fee.
To qualify for MA rate, complete the in-state tuition form on pages 69-70.

Non-Massachusetts Residents & International Students $347/credit
Per credit: $230 Tuition/$112 College fees/$5 Technology fee.

The New England Regional Student Program $153/credit
Per credit: $36 Tuition/$112 College fees/$5 Technology fee.
Available to students from RI, CT, NH, ME, & VT that are approved by the Academic Records Office.

High Cost Courses
Additional $35/credit fee for all AHE, CTC, EMT, MAC, MIG, MLT, MRC, NUR, RTH, SGT, SON, or VSN courses.

Other Fees
Health Insurance Fee (subject to change) $1049
(May be waived) Massachusetts State law requires that all students taking 9 or more credits have medical insurance. There are no exceptions. If you are taking 9 or more credit hours, you are automatically charged. You may waive the coverage if you are not an international student and have comparable coverage. Please go online at https://onlineservices.bhcc.mass.edu to view your most current account activity and make payments. For those with comparable coverage, the waiver application will be available at www.commonwealthstudent.com.

Please note that the 2013-2014 health insurance rates have not yet been determined therefore you are being billed at the 2012-2013 rate of $1049. When the new rate is set, your bill will be adjusted and if the cost increases, you will receive a bill from the college for the difference. We apologize for any inconvenience this may cause.

Returned Check Fee .................. $30
Stop Payment/Reissue Check Fee .......... $20
Liability Insurance Fee ................. $15
Photo ID Replacement Fee ............ $20
Parking Permit Fee .................... $30

Payment
Fall: Failure to meet your financial obligation by not making payment arrangements, not paying in full or not completing your financial aid package (including paying for or waiving health insurance) by July 10, 2013 will result in your courses being dropped. Beginning July 10, 2013, payment is due at the time of registration. Failure to pay in full, make payment arrangements, or complete your financial aid package (including paying for or waiving health insurance) will result in your unpaid courses being dropped at the close of business on the day of registration. BHCC accepts personal check, money order, American Express, Discover, MasterCard or VISA.

You May Pay:
• online at http://onlineservices.bhcc.mass.edu (select Student Menu and then select either Make A Payment (to pay in full) or set up an automatic payment plan.

• by express drop box located outside the Student Payment Office Window, Room B219, for check and credit card payments using the envelopes provided.
• by mail to 250 New Rutherford Avenue, Room B219, Boston, MA 02129-2925. Payment must be received prior to the payment due date.

Payment/Billing for Current Students
Who Register Online
Fall: For students registering on the web, payment is due by July 10, 2013. Students must check Account Summary to view the amount due. Students must pay in full by July 10, 2013 or have made prior arrangements with the Student Payment Office or unpaid courses will be dropped. Beginning July 10, 2013, payment is due at the time of registration. Failure to pay will result in your unpaid courses being dropped at the close of business on the day of registration. Please check your academic and financial record before logging out to confirm that registration and payment was recorded; click on Account Summary to view your financial record and My Class Schedule. Please note it is your responsibility to continually check your BHCC email for information on any adjustments made to your schedule. It is important for you to check with the Financial Aid Office if registering for less than 12 credits.

Third Party Billing
Students may submit a third party commitment letter or purchase order from an employer, etc. which allows the College to bill that party directly with no restrictions. Documentation must be presented at the time of registration. Web registrants will need to present the third party information prior to registration to ensure that your financial account is credited or you may be dropped for non-payment. If your employer/sponsor has conditions such as grades before paying for your classes, you must pay your bill by the due date or at the time of registration and then submit a claim to your employer/sponsor.

Payment Plans
FALL or SPRING (no summer): The College offers an automatic installment payment plan. Students may enroll in the Payment Plan for a service fee, and make monthly payments for the upcoming semester. The first installment and the fee are due with the application. Terms for the payment plan contracts are monitored by the Student Payment Office. Budgets may be automatically adjusted to cover billed charges. Students who are delinquent will be subject to payment penalties, and may be denied the use of the payment plan in future semesters. Enroll online at the onlineservices.bhcc.mass.edu and select Enroll in an Automatic Payment Plan. Enter your User I.D. from your BHCC I.D. or from your registration form as well your password which is your date of birth including slashes (i.e. 01/22/91). Click on the E Cashier Logo and complete the form. Your payment will be automatically deducted from your checking, savings, or credit card account for the first and all subsequent payments. No need to stand in line. Be sure that funds are in your account on the 5th of each month.

Outstanding Financial Obligations
Students who have any outstanding financial obligations to the College will not be permitted to register. Delinquent accounts must be paid in full. Unpaid balances will be referred to state intercept and to a collection agency. This means that your state income taxes will be intercepted and you will not receive your state refund. Furthermore, additional fees will be assessed and can be as much as 33% of the balance due.
Schedule Adjustments
Students who wish to make an adjustment to their schedule must make the adjustment online. Students who have difficulty and are unable to process a schedule adjustment online should seek assistance at the Admissions and Registration desk, B203. Students who adjust their schedule (including adding a waitlisted course) must make full payment or make payment arrangements at the time of the adjustment. Financial Aid recipients must notify the Financial Aid Office of any adjustments to their original registration and all adjustments must be made by the end of the schedule adjustment deadline, September 10, 2015. Failure to do so will result in the dropping of all unpaid courses. If you accept a seat in a course for which you are waitlisted you must make payment arrangements for that course immediately. If adjustments to your schedule result in your registration in 9 or more credit hours, you will need to pay for or waive the health insurance fee.

Refunds
Students may drop (cancel) a credit course and receive a 100% refund within the schedule adjustment period. There are no refunds after the schedule adjustment periods. Lack of attendance in a course does not constitute a drop. Students who register for a course and subsequently decide not to attend classes are responsible for officially dropping the course prior to the end of the schedule adjustment period by completing a schedule adjustment form at the Admission & Registration Desk.

- 100% tuition and fees will be refunded through September 10
- For Mini Session I 100% tuition and fees will be refunded through September 19
- For Web Late Start classes 100% tuition and fees will be refunded if course is dropped (cancelled) by September 23.
- For Mini Session II 100% tuition and fees will be refunded through November 6
- For Center for Self-Directed Learning courses (LC) 100% tuition and fees will be refunded if course is dropped (cancelled) within five (5) working days from the date of registration or five (5) days after the start of the semester.
- For Community Education courses (non-credit) 100% refund within two (2) working days prior to the start of the class.

No refunds are issued after the specified schedule adjustment period.

Registration Information

Assessment and Placement Testing
All students, planning to take math or English courses or a course with a math, English or reading prerequisite must complete the Computerized Placement Test (CPTs) unless they have successfully completed courses in these subjects at BHCC or another accredited institution. Those who have taken math or English at another institution must bring in or fax in a copy of their transcript. Testing is available at both the Charlestown and Chelsea campuses. In Charlestown: Monday-Wednesday 8:30 a.m.-7:00 p.m.; Thursdays from 11:00 a.m.-7:00 p.m.; Fridays from 8:30 a.m.-4:00 p.m.; and during April, May and August on Saturdays 9:00 a.m.-1:00 p.m. except holiday weekends. No appointment necessary. Contact 617-228-2100 for testing hours at the Chelsea Campus.

Auditing a Course
Students who wish to audit a course must obtain permission from the Associate Registrar. Students planning to audit a course must indicate their intention at the time of registration, must have the required prerequisites for the course, and are required to pay full tuition and fees.

Course Prerequisites:
Some courses require students meet certain conditions prior to registering, known as prerequisites. Prerequisites include the following: completion of lower-level courses with a passing grade; completion of computerized placement tests (CPTs); or admission to a specific program of study. Students must bring proof of course completion from other colleges or universities at the time of registration. Because we allow preregistration for BHCC students, it is the student’s responsibility to drop the course if the final grade of the prerequisite course is a failing grade.

Developmental Courses
Courses with numbers below 100 are considered developmental, not college-level. Only college-level courses count toward an associate degree or certificate.

Financial Aid Eligibility
Bunker Hill Community College awards millions of dollars in federal, state and institutional financial aid each year to eligible students. Many students, however, miss out because they do not think they are eligible and do not complete the Free Application for Federal Student Aid (FAFSA). To apply for financial aid, students must complete the FAFSA available on the Federal Financial Aid Website at www.fafsa.ed.gov. When completing the FAFSA online, be sure to list Bunker Hill Community College in the “Schools Information Section.” BHCC's code is 011210. Financial Aid can be used to pay for tuition, fees, books, transportation, and other educational expenses. We strongly encourage you to complete the FAFSA. Once BHCC has received your FAFSA, you will be notified of any additional requirements. Please note that financial aid requires enrollment in a degree or certificate program, therefore applying for admissions is necessary. If you need help with your financial aid application or college financial planning, our Financial Aid Office has counselors who can assist you.

Financial Aid Recipients-policy for adding courses
The deadline to be eligible for financial aid consideration for those semester classes that have not already met, mini sessions, home studies, and Center for Self Directed Learning classes, is the last day of the schedule adjustment (add/drop) period, September 10, 2013. For further information concerning financial aid eligibility, please contact Financial Aid at 617-228-2275.

Immunization Requirement
Massachusetts General Laws, Chapter 76, section 15C, requires that all full-time (12 or more credits) and all students in health programs (full and part-time) present evidence of immunity to measles, mumps, rubella, diphtheria, tetanus, and three doses of hepatitis B vaccine. Students in health career programs must also present evidence of immunity to Varicella and Mantoux testing for Tuberculosis. For measles, mumps, rubella, and Hepatitis B, serologic proof of immunity will be acceptable.

Students who fail to present the required information within 30 days from the date of registration will not be allowed to register for subsequent semesters or receive final grades until the immunization form is received by the Admissions and Registration desk, B203.

Residency Requirements
All students registering for credit courses at BHCC, who are claiming entitlement to in-state tuition privileges, must complete the Application for Massachusetts In-State Tuition Rates from (pages 61-62) and supply supporting documentation at the time of registration.
BHCC Chelsea Campus

Imagine the Possibilities

The Chelsea Campus is a state-of-the-art facility that provides foundation and elective courses leading to a College degree and/or certificate. The campus has a strong focus on laboratory science in Biology, delivering multiple sections of Human Biology (BIO108) and Anatomy and Physiology I and II (BIO203 and 204). All Allied Health certificate programs are based at the Chelsea Campus. Central Processing, Pharmacy Technology, Surgical Technology, and EMT (Emergency Medical Technician) are examples of certificate programs that expand career options in the current economy.

### CHELSEA DAY CLASSES

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<td>Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>ACC-102</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>AHE-095</td>
<td>Topics/Health Care</td>
<td>3</td>
</tr>
<tr>
<td>AHE-106</td>
<td>CNA Practicum</td>
<td>1</td>
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<tr>
<td>AHE-110</td>
<td>Principles of Clinical Practice</td>
<td>3</td>
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<tr>
<td>AHE-111</td>
<td>Patient Care Skills</td>
<td>3</td>
</tr>
<tr>
<td>AHE-112</td>
<td>Medical Assistant Skills</td>
<td>3</td>
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<tr>
<td>AHE-115</td>
<td>Phlebotomy/Medical Laboratory Theory</td>
<td>4</td>
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<td>BIO-108</td>
<td>Human Biology/Lab</td>
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<td>BIO-115</td>
<td>Nutrition Science/Lab</td>
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<tr>
<td>BIO-203</td>
<td>Anatomy/Phys I/Lab</td>
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<tr>
<td>BIO-204</td>
<td>Anatomy &amp; Physiology II/Lab</td>
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<tr>
<td>EMT-103</td>
<td>Emergency Medical Technician</td>
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### Course Details

- **ACC-101**
  - Principles of Accounting I
  - Credits: 3

- **ACC-102**
  - Principles of Accounting II
  - Credits: 3

- **AHE-095**
  - Topics/Health Care
  - Credits: 3

- **AHE-106**
  - CNA Practicum
  - Credits: 1

- **AHE-110**
  - Principles of Clinical Practice
  - Credits: 3

- **AHE-111**
  - Patient Care Skills
  - Credits: 3

- **AHE-112**
  - Medical Assistant Skills
  - Credits: 3

- **AHE-115**
  - Phlebotomy/Medical Laboratory Theory
  - Credits: 4

- **BIO-108**
  - Human Biology/Lab
  - Credits: 4

- **BIO-115**
  - Nutrition Science/Lab
  - Credits: 4

- **BIO-203**
  - Anatomy/Phys I/Lab
  - Credits: 4

- **BIO-204**
  - Anatomy & Physiology II/Lab
  - Credits: 4

- **EMT-103**
  - Emergency Medical Technician
  - Credits: 7

### Course Times

- **ACC-101**
  - LEC: M, W, 11:30 a.m.-12:45 p.m.
  - Credits: 3

- **ACC-102**
  - LEC: M, W, 11:30 a.m.-12:45 p.m.
  - Credits: 3

- **AHE-095**
  - LEC: T, TH, 8:30 a.m.-9:45 a.m.
  - Credits: 3

- **AHE-106**
  - CLIN: Days and times to be arranged
  - Credits: 1

- **AHE-110**
  - LEC: M, W, 8:30 a.m.-11:15 a.m.
  - Credits: 3

- **AHE-111**
  - LEC: W, 8:30 a.m.-11:15 a.m.
  - Credits: 3

- **AHE-112**
  - LEC: T, TH, 10:00 a.m.-11:15 a.m.
  - Credits: 3

- **AHE-115**
  - LEC: F, 8:30 a.m.-11:15 a.m.
  - Credits: 4

- **BIO-108**
  - LEC: W, 8:30 a.m.-9:45 a.m.
  - Credits: 4

- **BIO-115**
  - LEC: S, 8:00 a.m.-1:00 p.m.
  - Credits: 4

- **BIO-203**
  - LEC: M, 8:30 a.m.-11:15 a.m.
  - Credits: 4

- **BIO-204**
  - LEC: T, TH, 8:30 a.m.-9:45 a.m.
  - Credits: 4
CHELSEA EVENING CLASSES

ACC-505 Mass Tax Law I 3 credits
90 LEC T 6:00 p.m.-8:45 p.m. 206 TBA

AHE-101 Medical Interpreting I 3 credits
90 LEC T 5:30 p.m.-8:15 p.m. 207 B Briggs

AHE-117 Communication Skills/Health Care 3 credits
90 LEC W 5:00 p.m.-7:45 p.m. 207 B Briggs

BIO-105 Introduction to Biology 4 credits
90 LEC M 6:00 p.m.-10:00 p.m. 207 B Briggs

BIO-108 Human Biology/Lab 4 credits
90 LEC W 6:00 p.m.-10:00 p.m. 207 B Briggs
91 LEC F 6:00 p.m.-10:00 p.m. 207 B Briggs

BIO-115 Nutrition Science/Lab 4 credits
80 LEC T 6:00 p.m.-8:45 p.m. 208 B Briggs

BIO-203 Anatomy/Phys/Lab 4 credits
80 LEC M, W 6:00 p.m.-8:30 p.m. 206 B Briggs

BIO-204 Anatomy & Physiology II/Lab 4 credits
80 LEC M, W 6:00 p.m.-8:30 p.m. 206 B Briggs

CHI-110 Applications/Concepts 3 credits
90 LEC B Briggs 206 TBA

CRJ-101 Introduction to Criminal Justice 3 credits
90 LEC B Briggs 206 TBA

CRJ-103 Criminal Law 3 credits
90 LEC B Briggs 206 TBA

CSE-104 Curriculum in Early Childhood Education 3 credits
90 LEC TBA

CHELSEA CAMPUS COURSES

BHCC recommends all students check their BHCC email for important campus-wide notifications and announcements, as well as BHCConline course-related information.
**Study at Neighborhood Locations**

East Boston, Malden, and South End.

Come join many students like yourself who enroll in Bunker Hill Community College courses at three convenient locations. Courses are offered to meet resident needs for an exciting and affordable college education. Evening classes, as listed below, allow students to work for an associate degree or certificate in a variety of fields offered by the College. You may register at the Admissions and Registration desk, located in the main lobby of B-building at the Charlestown Campus, and at the Enrollment Office at the Chelsea Campus.

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**BHCC Site Information**

**South End Satellite**

I.B.A./Villa Victoria

405 Shawmut Avenue, Boston, MA, 02118

Classes are for a specific group of students and therefore do not appear in this publication. Please contact the Academic Records Office at 617-228-2403 for more information.

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**EAST BOSTON**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-095</td>
<td>Writing Skills II</td>
<td>3</td>
<td>M 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>ENG-111</td>
<td>College Writing I</td>
<td>3</td>
<td>M 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>ENG-112</td>
<td>College Writing II</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>LIT-201</td>
<td>Introduction to Literature</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>MAT-093</td>
<td>Foundations of Mathematics</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>MAT-097</td>
<td>Foundations of Algebra</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
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<tr>
<td>MAT-181</td>
<td>Statistics I</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>NHP-180</td>
<td>Medical Terminology</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>PSY-101</td>
<td>Principles of Psychology</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>PSY-213</td>
<td>Human Growth/Development</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
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**MALDEN**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
<th>Time</th>
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<tbody>
<tr>
<td>BIO-105</td>
<td>Introduction to Biology</td>
<td>4</td>
<td>M 5:00 p.m.-9:00 p.m.</td>
</tr>
<tr>
<td>BIO-108</td>
<td>Human Biology/Lab</td>
<td>4</td>
<td>M 5:00 p.m.-9:00 p.m.</td>
</tr>
<tr>
<td>FRE-101</td>
<td>Elementary French I</td>
<td>3</td>
<td>T 5:30 p.m.-8:15 p.m.</td>
</tr>
<tr>
<td>LIT-201</td>
<td>Introduction to Literature</td>
<td>3</td>
<td>W 6:00 p.m.-8:45 p.m.</td>
</tr>
</tbody>
</table>

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**Malden Satellite**

Malden High School

77 Salem Street, Malden, MA, 02148

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**SOMERVILLE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>ENR-055</td>
<td>Computer-Aided Drawing &amp; Design</td>
<td>3</td>
<td>M 5:00 p.m.</td>
</tr>
</tbody>
</table>
LATE NIGHT & MIDNIGHT CLASSES

MIDNIGHT COURSES

To meet the needs of second-shift workers, parents and others who cannot attend college during daytime or evening hours, BHCC offers courses starting at midnight. Courses in English, psychology and sociology are requirements for certificates and degrees ranging from computer science and fine arts to healthcare and other areas.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-111</td>
<td>College Writing I</td>
<td>3</td>
<td>TH 11:45 p.m.-11:59 p.m.</td>
<td>B109</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>F 12:01 a.m.-2:30 a.m.</td>
<td>C Daniel</td>
</tr>
<tr>
<td>PSY-101</td>
<td>Principles of Psychology</td>
<td>3</td>
<td>TH 11:45 p.m.-11:59 p.m.</td>
<td>B110</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>F 12:01 a.m.-2:30 a.m.</td>
<td>TBA</td>
</tr>
<tr>
<td>PSY-213</td>
<td>Human Growth/Development</td>
<td>3</td>
<td>T 11:45 p.m.-11:59 p.m.</td>
<td>B110</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>W 12:01 a.m.-2:30 a.m.</td>
<td>V Diaz</td>
</tr>
</tbody>
</table>

LATE-NIGHT COURSES

BHCC is offering late-night courses. These courses are geared to students who work late hours and others who cannot attend day-time classes. The late-night courses also make it possible for students currently taking 6 p.m. courses to attend two courses in the same evening.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Schedule</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSL-002</td>
<td>Read/Write I</td>
<td>$229</td>
<td>W 9:00 p.m.-11:45 p.m.</td>
<td>B106</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TBA</td>
<td></td>
</tr>
<tr>
<td>CHM-201</td>
<td>General Chemistry I/Lab</td>
<td>4</td>
<td>M 6:00 p.m.-8:45 p.m.</td>
<td>B108</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>W 8:15 p.m.-10:45 p.m.</td>
<td>B108</td>
</tr>
<tr>
<td>MAN-105</td>
<td>Principles of Marketing</td>
<td>3</td>
<td>TH 9:00 p.m.-11:45 p.m.</td>
<td>B108</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TBA</td>
<td></td>
</tr>
<tr>
<td>MAN-111</td>
<td>Principles of Management</td>
<td>3</td>
<td>W 9:00 p.m.-11:45 p.m.</td>
<td>B108</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TBA</td>
<td></td>
</tr>
<tr>
<td>PSY-101</td>
<td>Principles of Psychology</td>
<td>3</td>
<td>TH 9:00 p.m.-11:45 p.m.</td>
<td>B110</td>
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<td>H Altug</td>
<td></td>
</tr>
<tr>
<td>SOC-101</td>
<td>Principles of Sociology</td>
<td>3</td>
<td>T 9:00 p.m.-11:45 p.m.</td>
<td>B108</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A Herman</td>
<td></td>
</tr>
</tbody>
</table>
Some courses may require that you come to the Charlestown conferencing, discussion forums, chat rooms, messaging and web are required to establish and maintain weekly dialogue process. Students engaged in distance education courses for students and instructors engaged in the educational.

These conditions present both opportunities and challenges. Distance Education does not require that the student be in faculty member, or a member of the BHCConline staff. Distance Education does not require that the student be in a particular place at a particular time (“asynchronous”), or be physically located where the instructor happens to be. These conditions present both opportunities and challenges for students and instructors engaged in the educational process. Students engaged in distance education courses are required to establish and maintain weekly dialogue with instructors through various methods such as e-mail, discussion forums, chat rooms, messaging and web conferencing.

Some courses may require that you come to the Charlestown campus to take an actual proctored, paper midterm or final exams. In extreme cases, you may arrange to have exams proctored at other colleges or approved testing locations. Call the BHCConline Office at 617-228-2466 for more information or email onlinehelp@bhcc.mass.edu.

**STREAMING MEDIA**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS-151</td>
<td>Colonization</td>
<td>3 credits</td>
</tr>
<tr>
<td></td>
<td>Through Civil War</td>
<td></td>
</tr>
<tr>
<td>HIS-152</td>
<td>Reconstruction to Present</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

**WEB COURSES (WB)**

*MASS COLLEGE ONLINE*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC-101</td>
<td>Principles of Accounting I</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-102</td>
<td>Principles of Accounting II</td>
<td></td>
</tr>
<tr>
<td>ACC-105</td>
<td>Accounting Information System</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-111</td>
<td>Investments</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-112</td>
<td>Personal Finance</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-201</td>
<td>Intermediate Accounting I</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-202</td>
<td>Intermediate Accounting II</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-203</td>
<td>Federal Income Tax I</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-210</td>
<td>Financial Management</td>
<td>3 credits</td>
</tr>
<tr>
<td>ACC-211</td>
<td>Money and Banking</td>
<td>3 credits</td>
</tr>
<tr>
<td>AST-102</td>
<td>Astronomy/Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td>BIO-111</td>
<td>Food and Nutrition</td>
<td>3 credits</td>
</tr>
<tr>
<td>BIO-115</td>
<td>Nutrition Science/Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td>BUS-101</td>
<td>Introduction to Business</td>
<td>3 credits</td>
</tr>
<tr>
<td>BUS-106</td>
<td>International Business I</td>
<td>3 credits</td>
</tr>
<tr>
<td>BUS-111</td>
<td>Globalization</td>
<td>3 credits</td>
</tr>
<tr>
<td>BUS-201*</td>
<td>Business Law I</td>
<td>3 credits</td>
</tr>
<tr>
<td>BUS-202*</td>
<td>Business Law II</td>
<td>3 credits</td>
</tr>
<tr>
<td>CIT-110</td>
<td>Applications/Concepts</td>
<td>3 credits</td>
</tr>
<tr>
<td>CIT-113</td>
<td>Information Technology Problem Solving</td>
<td>3 credits</td>
</tr>
<tr>
<td>CIT-118</td>
<td>Principles of Internet &amp; Information Security</td>
<td>3 credits</td>
</tr>
<tr>
<td>CIT-121</td>
<td>Introduction to Computer Forensics</td>
<td>3 credits</td>
</tr>
<tr>
<td>CIT-128</td>
<td>Database Design with MS Access</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

**Web Course Orientation:**

Students new to online courses must participate in one or more of the following orientation options to learn about using the technology, expectations for completing courses and guidelines to be a successful online student.

1. Participate in one of the “live” virtual computer based orientations from your home or work on August 30, 2013, beginning at 12:00 noon; or on Tuesday, September 3, 2013, beginning at 3:00 p.m. Go to http://www.bhcc.mass.edu/bhcconline for login information. Note: a microphone is required to speak, although questions can be asked through the chat feature.

2. Listen to a prerecorded orientation by logging into Collaborate (see link above on the BHCConline website).

3. Join the online student orientation course, which begins one week prior to the start of the semester on Tuesday, August 27, 2013, and is available through Monday, September 2, 2013.

For more assistance, and for information about orientation, along with general information regarding BHCConline, please email our office at onlinehelp@bhcc.mass.edu, call 617-228-2466, visit the BHCConline Office (Charlestown Campus, Room H134), and/or review all the information on the BHCConline website.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT-133</td>
<td>Introduction to Microsoft Office</td>
</tr>
<tr>
<td>CIT-216</td>
<td>Visual Basic</td>
</tr>
<tr>
<td>CIT-218</td>
<td>Intermediate Visual Basic</td>
</tr>
<tr>
<td>CIT-219</td>
<td>Information Security and Assurance</td>
</tr>
<tr>
<td>CIT-230</td>
<td>Help Desk Techniques</td>
</tr>
<tr>
<td>CIT-233</td>
<td>Advanced Microsoft Office</td>
</tr>
<tr>
<td>CIT-234</td>
<td>Decision Support Using MS Excel</td>
</tr>
<tr>
<td>CIT-236</td>
<td>SQL Programming</td>
</tr>
<tr>
<td>CIT-241</td>
<td>PACS Administration II</td>
</tr>
<tr>
<td>CIT-250</td>
<td>Collaboration, Communication &amp; Integrating</td>
</tr>
<tr>
<td>CIT-268</td>
<td>Windows Operating Systems</td>
</tr>
<tr>
<td>CIT-271</td>
<td>Batch File Programming</td>
</tr>
<tr>
<td>CIT-277</td>
<td>Health Information Networking</td>
</tr>
<tr>
<td>CIT-279</td>
<td>CCNA Security</td>
</tr>
<tr>
<td>CMT-111</td>
<td>HTML &amp; Dreamweaver</td>
</tr>
<tr>
<td>CRJ-101</td>
<td>Introduction to Criminal Justice</td>
</tr>
<tr>
<td>CRJ-103</td>
<td>Criminal Law</td>
</tr>
<tr>
<td>CRJ-107</td>
<td>Introduction to Corrections</td>
</tr>
<tr>
<td>CRJ-201</td>
<td>Management for Criminal Justice</td>
</tr>
<tr>
<td>CRJ-202</td>
<td>Evidence/Court Procedures</td>
</tr>
<tr>
<td>CRJ-210</td>
<td>Race, Ethnicity, and Cultural Issue in the</td>
</tr>
<tr>
<td>CRJ-212</td>
<td>Community Corrections</td>
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<td>CRJ-245</td>
<td>Cyber Crime in Today’s Society</td>
</tr>
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<td>CTC-111</td>
<td>Computed Tomography I</td>
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<td>ECE-103</td>
<td>Child Growth &amp; Development</td>
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<td>ECE-111</td>
<td>Special Needs Child Early Childhood Ed</td>
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<td>ECO-201</td>
<td>Macroeconomics</td>
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<tr>
<td>ECO-202</td>
<td>Microeconomics</td>
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<tr>
<td>ENG-095</td>
<td>Writing Skills II</td>
</tr>
<tr>
<td>ENG-111</td>
<td>College Writing I</td>
</tr>
<tr>
<td>ENG-112</td>
<td>College Writing II</td>
</tr>
<tr>
<td>ENG-203</td>
<td>Creative Writing Workshop</td>
</tr>
<tr>
<td>ENG-241</td>
<td>Journalism</td>
</tr>
<tr>
<td>ENV-105</td>
<td>Environmental Science I/Lab</td>
</tr>
<tr>
<td>ENV-106</td>
<td>Environmental Science I/Lab</td>
</tr>
<tr>
<td>ENV-110</td>
<td>Sustainability &amp; Resource Conservation/Lab</td>
</tr>
<tr>
<td>ESM-105</td>
<td>Green Existing Buildings: Operation &amp; Maintenance</td>
</tr>
<tr>
<td>FLM-101</td>
<td>Film as Art</td>
</tr>
<tr>
<td>FLM-102</td>
<td>American Cinema</td>
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<tr>
<td>FPS-119</td>
<td>Principles of Fire and Emergency Services Safety and Survival</td>
</tr>
<tr>
<td>FPS-125</td>
<td>Hazardous Materials Chemistry</td>
</tr>
<tr>
<td>FPS-133</td>
<td>Fire Protection Systems</td>
</tr>
<tr>
<td>FPS-135</td>
<td>Fire Behavior &amp; Combustion</td>
</tr>
<tr>
<td>FPS-221</td>
<td>Strategy and Tactics</td>
</tr>
<tr>
<td>FPS-223</td>
<td>Building Construction for Fire Protection</td>
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<tr>
<td>FRE-101</td>
<td>Elementary French I</td>
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<td>FRE-102</td>
<td>Elementary French II</td>
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<tr>
<td>GEO-101</td>
<td>World Regional Geography</td>
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<tr>
<td>GOV-101</td>
<td>Government and Politics in U.S.</td>
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<tr>
<td>GOV-103</td>
<td>State and Local Politics</td>
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<tr>
<td>HIS-101</td>
<td>Western Civilization to the Renaissance</td>
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<tr>
<td>HIS-102</td>
<td>Western Civilization from Renaissance</td>
</tr>
<tr>
<td>HIS-111</td>
<td>World Civilization to 1500</td>
</tr>
<tr>
<td>HIS-112</td>
<td>World Civilization From 1500</td>
</tr>
<tr>
<td>HIS-151</td>
<td>Colonization Thru Civil War</td>
</tr>
<tr>
<td>HIS-152</td>
<td>Reconstruction to Present</td>
</tr>
<tr>
<td>INT-110</td>
<td>American Culture</td>
</tr>
<tr>
<td>JPN-101</td>
<td>Elementary Japanese</td>
</tr>
<tr>
<td>JPN-102</td>
<td>Elementary Japanese II</td>
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<tr>
<td>LCS-101AB</td>
<td>Life in Rhymes: Voicing your Future</td>
</tr>
<tr>
<td>LCS-101FF</td>
<td>History in the Making: How Current Events Shape Your World</td>
</tr>
<tr>
<td>LCS-101R</td>
<td>Learning for Success</td>
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<tr>
<td>LCS-101XX</td>
<td>Telling Our Stories</td>
</tr>
<tr>
<td>LIT-201</td>
<td>Introduction to Literature</td>
</tr>
<tr>
<td>LIT-203</td>
<td>Literature in America I</td>
</tr>
<tr>
<td>LIT-204</td>
<td>Literature in America II</td>
</tr>
<tr>
<td>LIT-207</td>
<td>Literature and Society I</td>
</tr>
<tr>
<td>LIT-211</td>
<td>Masterpieces of World Literature I</td>
</tr>
<tr>
<td>LIT-212</td>
<td>Masterpieces of World Literature II</td>
</tr>
<tr>
<td>LIT-219</td>
<td>African Literature</td>
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<tr>
<td>MAC-111</td>
<td>Mammography Principles I</td>
</tr>
<tr>
<td>MAN-105</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MAN-106</td>
<td>International Marketing</td>
</tr>
<tr>
<td>MAN-107</td>
<td>Introduction to Entrepreneurship</td>
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<tr>
<td>MAN-111</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>MAN-112</td>
<td>Organizational Behavior/Design</td>
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<td>MAN-201</td>
<td>Management Seminar</td>
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<tr>
<td>MAN-207</td>
<td>Small Business Management</td>
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<td>MAN-213</td>
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<td>MAT-097</td>
<td>Foundations of Algebra</td>
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<td>MAT-099</td>
<td>Intermediate Algebra</td>
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<tr>
<td>MAT-173</td>
<td>Contemporary Math II</td>
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<tr>
<td>MAT-181</td>
<td>Statistics I</td>
</tr>
<tr>
<td>MAT-194</td>
<td>College Algebra for STEM</td>
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<tr>
<td>MAT-197</td>
<td>Precalculus</td>
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<td>MAT-231</td>
<td>Calculus for Management Science</td>
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<tr>
<td>MAT-281</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MAT-282</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MIG-111</td>
<td>Imaging Tech I</td>
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<tr>
<td>MIG-161</td>
<td>Intro to Diagnostic Imaging and PACs</td>
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<tr>
<td>MIG-234</td>
<td>CT/Cross Sectional Anatomy</td>
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<tr>
<td>MIG-261</td>
<td>Sectional Anatomy</td>
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<td>MRC-111</td>
<td>MR Concepts I</td>
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<td>MUS-118</td>
<td>Music Appreciation I</td>
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<td>MUS-119</td>
<td>Music Appreciation II</td>
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<td>MUS-129</td>
<td>Rock &amp; Roll History</td>
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<td>NHP-180</td>
<td>Medical Terminology</td>
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<td>NUR-100</td>
<td>Drug Calculation</td>
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<tr>
<td>OIM-100</td>
<td>PC Keyboarding Techniques</td>
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<td>PHL-101</td>
<td>Introduction to Philosophy</td>
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<td>PSY-131</td>
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<td>Psychology of Personal Adjustment</td>
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<td>Human Growth/Development</td>
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<tr>
<td>PSY-219</td>
<td>Social Psychology</td>
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<td>PSY-223</td>
<td>Personality</td>
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<td>Adolescent/Adult Development</td>
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<td>PSY-227</td>
<td>Abnormal Psychology</td>
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<tr>
<td>PSY-235</td>
<td>Introduction to Behavioral Research</td>
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<td>SOC-109</td>
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<td>Criminology</td>
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<td>SOC-229</td>
<td>Sociology of Film</td>
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<td>SPN-101</td>
<td>Elementary Spanish I</td>
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<td>SPN-102</td>
<td>Elementary Spanish II</td>
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<td>Introduction to Mass Media</td>
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<td>VMA-112</td>
<td>Art History: Prehistoric-Medieval</td>
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<tr>
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<td>Art History-Renaissance to Contemporary</td>
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<td>VMA-123</td>
<td>Water Color I</td>
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<td>VMA-161</td>
<td>Introduction Digital Photography</td>
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<td>ENG-112</td>
<td>College Writing II</td>
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<td>Principles of Sociology</td>
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<td>BIO-108</td>
<td>Human Biology/Lab</td>
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<td>BIO-115</td>
<td>Nutrition Science/Lab</td>
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<td>BIO-203</td>
<td>Anatomy/Math I/Lab</td>
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<td>Anatomy &amp; Physiology I/Lab</td>
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<td>Microbiology/Lab</td>
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<td>CIT-110</td>
<td>Applications/Concepts</td>
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<td>CIT-118</td>
<td>Principles of Internet &amp; Information Security</td>
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<tr>
<td>CIT-126</td>
<td>Switching Basics/Intermediate Routing</td>
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<td>CIT-274</td>
<td>WAN Technologies</td>
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<td>Information Security Seminar</td>
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<td>Criminal Procedure</td>
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<td>CIT-303</td>
<td>Child Growth &amp; Development</td>
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<td>Macroeconomics</td>
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<td>Microeconomics</td>
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<td>ENG-112</td>
<td>College Writing II</td>
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<td>Addictions</td>
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<td>Principles of Marketing</td>
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<td>MAN-111</td>
<td>Principles of Management</td>
</tr>
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<td>MAN-112</td>
<td>Organizational Behavior/Design</td>
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<tr>
<td>OIM-101</td>
<td>Keyboarding: Document Generation I</td>
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<td>OIM-102</td>
<td>Medical Computer Applications</td>
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<td>OIM-106</td>
<td>Records &amp; Information Management</td>
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<td>PHY-201</td>
<td>General Physics I/Lab</td>
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<td>PHY-202</td>
<td>General Physics II/Lab</td>
</tr>
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<td>PSY-101</td>
<td>Principles of Psychology</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Principles of Sociology</td>
</tr>
</tbody>
</table>
BHCC Online Registration and Course Information

Students Enrolling in Web, Hybrid & Web Enhanced Courses:

Your username and password for Moodle (our Learning Management System) are the same as the credentials you use for the Web Advisor portal.

Moodle will be accessible to students one week prior to the start of classes. Access to actual courses in Moodle will be given on the first day of classes, September 3, 2013, and September 16 for web late start courses. To login, go to the BHCC Portal at www.bhcc.mass.edu/portal or to the BHCConline site at www.bhcc.mass.edu/bhcconline.

Students must begin their coursework during the first week of classes. Students should email onlinehelp@bhcc.mass.edu or attend an orientation session if they are having technical difficulties logging on to their course.

Students Registering for Streaming Media (SM) Courses:

Streamed media courses designated as (SM) provide students with access to asynchronous media based courses available at www.bhcc.mass.edu/BHCCtv. Students can view course content from any computer with Internet access and Quick Time. Students complete coursework at home and mail assignments, papers and projects to the BHCConline Office. Proctored exams are required. Students may pick up the course syllabus and course orientation information at the BHCConline Office, room H134. For more information, call 617-228-2466 or email onlinehelp@bhcc.mass.edu.

Massachusetts Colleges Online

Massachusetts Colleges Online (MCO) is a consortium of the 15 community colleges and seven state colleges of Massachusetts. The institutions have formed this partnership to extend convenient and flexible online courses and programs to students throughout the state and beyond. Students are encouraged to explore the website at www.mco.mass.edu to learn more about the more than 1,000 courses that are available through MCO. Although most courses transfer to other institutions, BHCC students should check with onlineadvising@bhcc.mass.edu for verification.

For the Fall 2013 semester, BHCC is receiving the following online courses from MCO colleges:

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 201</td>
<td>WBM</td>
<td>Business Law I</td>
</tr>
<tr>
<td>BUS 202</td>
<td>WBM</td>
<td>Business Law II</td>
</tr>
</tbody>
</table>

For more information and to receive a username and password, students must e-mail mdriscoll@bhcc.mass.edu.

Academic Requirements and Expectations:

It is highly recommended that students complete RDG095 and ENG095 or place out of these courses through the college’s incoming placement tests before enrolling in a distance learning class. New students should complete one of the BHCConline orientation formats.

Successful students are highly motivated, independent learners with excellent time management skills. Distance learning students are required to maintain a consistent pace in submitting coursework and are expected to complete their course in a semester’s time. Distance learning courses are rigorous and students should expect to spend between 6-10 hours each week working on their course.

Distance Education Exam Requirement

A number of home studies and web courses require proctored exams on campus. You may also arrange to have exams proctored at other colleges or approved testing locations. Call 617-228-2466 for more information or email onlinehelp@bhcc.mass.edu.

Technical Skills Required to take BHCConline Courses:

- Students must possess basic computer skills such as navigating the Internet, sending and receiving e-mail, word-processing, attaching documents, and toggling between applications and pages.

- Multimedia “PC” computer with at least a 1.8GHz processor, 2GB of RAM, or a comparable Macintosh is required. Macintosh computers may not be used for CIT-110.

- A recent version of Microsoft Office (2007 or better with Word, PowerPoint and Excel) is recommended.

- Access to the Internet with broadband connectivity is required.

- Browser requirements: Mozilla Firefox is recommended for Moodle (or Safari for Mac), but the best experience with BHCC Web Mail will be with Internet Explorer.

- All students must use their BHCC email (webmail.bhcc.edu). Your user-id and password for accessing email are the same as that for accessing Web Advisor. For more information about Web Advisor, go to www.bhcc.mass.edu and click mybhcc. Click “Students” and follow directions for User ID and password.

- Access to a printer.

BHCConline recommends all students check their BHCC email for important campus-wide notifications and announcements.
## FRIDAY EVENINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Days/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC-101</td>
<td>Principles of Accounting I</td>
<td>3 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
<tr>
<td>ACC-102</td>
<td>Principles of Accounting II</td>
<td>3 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
<tr>
<td>BIO-105</td>
<td>Introduction to Biology</td>
<td>4 credits</td>
<td>F1</td>
<td>6:00 p.m.-10:00 p.m.</td>
</tr>
<tr>
<td>BIO-108</td>
<td>Human Biology/Lab</td>
<td>4 credits</td>
<td>91</td>
<td>6:00 p.m.-10:00 p.m.</td>
</tr>
<tr>
<td>BIO-204</td>
<td>Anatomy &amp; Physiology II/Lab</td>
<td>4 credits</td>
<td>F1</td>
<td>TH 2:30 p.m.-5:10 p.m.</td>
</tr>
<tr>
<td>BUS-101</td>
<td>Introduction to Business</td>
<td>3 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
<tr>
<td>CHM-120</td>
<td>Principles of Inorganic Chemistry &amp; Lab</td>
<td>4 credits</td>
<td>F1</td>
<td>6:00 p.m.-10:00 p.m.</td>
</tr>
<tr>
<td>CHM-202</td>
<td>Gen Chemistry II/Lab</td>
<td>4 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
</tbody>
</table>

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**Weekend College Courses**

**Earn an Associate Degree or Certificate at BHCC’s Weekend College**

Weekend College is designed for busy adults who want to earn college credits in an ACCELERATED approach on the weekends. Degree programs are available in: General Concentration, Business, Education, Computers, Psychology, History and Government and Nursing. Certificate programs are available in Paralegal and Culinary Arts.

Classes are scheduled in various formats to provide students with flexible options and the opportunity to complete their program of study by attending only on the weekends.

Course schedules include:

- web courses
- hybrid courses that combine classroom instruction with online instruction
- Saturday mini-session classes
- individualized self-paced courses through the Center for Self-Directed Learning
- traditional sixteen week courses available on Friday evenings, Saturdays and Sundays

Students interested in enrolling in a weekend degree program should contact the Admissions office at 617-228-3398. All students are required to complete assessment tests (CPTs) that assess skill levels in mathematics, English, and reading before registering for classes. CPTs are administered in the Assessment Center, located in room B118 on the Charlestown Campus. Please call 617-228-2468 for a schedule of testing sessions. Students may receive a testing exemption if they can provide transcripts of completed courses in math and writing from any other accredited institution.

All Weekend College students are encouraged to attend a Weekend College information session, or see an advisor in the Advising Counseling Center located in the Life Map Commons, Room E235 before registering.

**Advisors are available:**
- Monday-Wednesday: 8:30 a.m.-7 p.m.
- Thursday: 11 a.m.-7 p.m.
- Friday: 8:30 a.m.-4 p.m.

**Advisors are also available on:**
- Saturdays and Sundays: 8:30 a.m.-4 p.m. during the fall and spring semesters.

Online advisors are available at onlineadvising@bhcc.mass.edu.

For more information, please call:
- 617-228-3396 (Monday-Friday)
- 617-228-2345 (Saturday)

or e-mail onlineadvising@bhcc.mass.edu.

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**FRIDAY EVENINGS**

<table>
<thead>
<tr>
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<th>Location</th>
</tr>
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<tbody>
<tr>
<td>ACC-101</td>
<td>Principles of Accounting I</td>
<td>3 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
<tr>
<td>ACC-102</td>
<td>Principles of Accounting II</td>
<td>3 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
<tr>
<td>BIO-105</td>
<td>Introduction to Biology</td>
<td>4 credits</td>
<td>F1</td>
<td>6:00 p.m.-10:00 p.m.</td>
</tr>
<tr>
<td>BIO-108</td>
<td>Human Biology/Lab</td>
<td>4 credits</td>
<td>91</td>
<td>6:00 p.m.-10:00 p.m.</td>
</tr>
<tr>
<td>BIO-204</td>
<td>Anatomy &amp; Physiology II/Lab</td>
<td>4 credits</td>
<td>F1</td>
<td>TH 2:30 p.m.-5:10 p.m.</td>
</tr>
<tr>
<td>BUS-101</td>
<td>Introduction to Business</td>
<td>3 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
<tr>
<td>CHM-120</td>
<td>Principles of Inorganic Chemistry &amp; Lab</td>
<td>4 credits</td>
<td>F1</td>
<td>6:00 p.m.-10:00 p.m.</td>
</tr>
<tr>
<td>CHM-202</td>
<td>Gen Chemistry II/Lab</td>
<td>4 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
</tr>
<tr>
<td>CIT-110</td>
<td>Applications/Concepts</td>
<td>3 credits</td>
<td>F1</td>
<td>6:00 p.m.-8:45 p.m.</td>
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<td>CIT-242</td>
<td>Data Structures</td>
<td>3 credits</td>
<td>F1</td>
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<td>CRJ-211</td>
<td>Criminal Procedure</td>
<td>3 credits</td>
<td>F1</td>
<td>F 5:15 p.m.-6:30 p.m.</td>
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<td>LIT-203</td>
<td>Literature in America I</td>
<td>3 credits</td>
<td>F1</td>
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<td>MAN-105</td>
<td>Principles of Marketing</td>
<td>3 credits</td>
<td>Q1HB HYB</td>
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<td>MAN-112</td>
<td>Organizational Behavior/Design</td>
<td>3 credits</td>
<td>R1HB HYB</td>
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<td>MAT-093</td>
<td>Foundations of Mathematics</td>
<td>3 credits</td>
<td>F1</td>
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<td>MAT-097</td>
<td>Foundations of Algebra</td>
<td>3 credits</td>
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<td>MAT-181</td>
<td>Statistics I</td>
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<tr>
<td>Code</td>
<td>Course</td>
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<td>Days/Time</td>
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<tr>
<td>MAT-194</td>
<td>College Algebra for STEM</td>
<td>4</td>
<td>F 6:00 p.m.-9:45 p.m.</td>
<td>D212 TBA</td>
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<td>MAT-283</td>
<td>Calculus III</td>
<td>4</td>
<td>F 6:00 p.m.-9:45 p.m.</td>
<td>B110 TBA</td>
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<td>NUR-111</td>
<td>Nursing I</td>
<td>7</td>
<td>F 4:00 p.m.-9:00 p.m.</td>
<td>G227 TBA</td>
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<td>PHY-202</td>
<td>General Physics II/Lab</td>
<td>4</td>
<td>F 6:00 p.m.-8:30 p.m.</td>
<td>B335 J Shahbazian</td>
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<td>PSY-215</td>
<td>Counseling</td>
<td>3</td>
<td>F 6:00 p.m.-8:45 p.m.</td>
<td>J Williams</td>
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<td>PSY-101</td>
<td>Principles of Psychology</td>
<td>3</td>
<td>F 6:00 p.m.-8:45 p.m.</td>
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<td>PSY-223</td>
<td>Personalty</td>
<td>3</td>
<td>F 6:30 p.m.-9:15 p.m.</td>
<td>B127 J Planteidoi</td>
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<tr>
<td>RDG-095</td>
<td>Reading Skills II</td>
<td>3</td>
<td>F 6:00 p.m.-8:45 p.m.</td>
<td>B128B T Borge</td>
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<tr>
<td>BIO-108</td>
<td>Human Biology/Lab</td>
<td>4</td>
<td>I 9:00 a.m.-11:45 a.m.</td>
<td>D316 R Spencer</td>
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<td>BIO-115</td>
<td>Nutrition Science/Lab</td>
<td>4</td>
<td>I 9:00 a.m.-1:00 p.m.</td>
<td>B02 P Reveliotis</td>
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<tr>
<td>BIO-203</td>
<td>Anatomy/Phys/Lab</td>
<td>4</td>
<td>I 9:00 a.m.-2:15 p.m.</td>
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<tr>
<td>BIO-205</td>
<td>Microbiology/Lab</td>
<td>4</td>
<td>I 9:00 a.m.-2:15 p.m.</td>
<td>D317 R Greco</td>
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<tr>
<td>BUS-101</td>
<td>Introduction to Business</td>
<td>3</td>
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<td>BUS-201</td>
<td>Business Law I</td>
<td>3</td>
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<td>B108 TBA</td>
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<td>CHM-120</td>
<td>Principles of Inorganic Chemistry &amp; Lab</td>
<td>4</td>
<td>I 9:00 a.m.-1:00 p.m.</td>
<td>B301 S Lagambina</td>
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<td>CIT-101</td>
<td>Computer Essentials</td>
<td>3</td>
<td>I 9:00 a.m.-11:45 a.m.</td>
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<tr>
<td>CIT-110</td>
<td>Applications/Concepts</td>
<td>3</td>
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<td>D121A TBA</td>
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<tr>
<td>CIT-120</td>
<td>Introduction to Computer Science &amp; Object Oriented Programming</td>
<td>4</td>
<td>I 9:00 a.m.-3:10 p.m.</td>
<td>D101 TBA</td>
</tr>
</tbody>
</table>
SUNDAYS

ACC-101 Principles of Accounting I 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. D120 TBA

BIO-108 Human Biology/Lab 4 credits
SU LEC SU 9:00 a.m.-11:00 a.m. D302 TBA

BIO-203 Anatomy/Phys I/Lab 4 credits
SU LEC SU 9:00 a.m.-2:15 p.m. D316 A Freeman

BIO-204 Anatomy & Physiology II/Lab 4 credits
SU LEC SU 9:00 a.m.-2:15 p.m. D310 J King

BIO-205 Microbiology/Lab 4 credits
SU LEC SU 9:00 a.m.-2:15 p.m. D317 D Vandapel

BUS-101 Introduction to Business 3 credits
SU SEM SU 12:00 p.m.-2:45 p.m. B125 TBA

CHM-120 Principles of Inorganic Chemistry & Lab 4 credit
SU LEC SU 9:00 a.m.-1:00 p.m. D301 D Cox

CIT-110 Applications/Concepts 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. D121A TBA

CIT-162 Introduction to Networking 3 credits
SU LEC SU 12:00 p.m.-3:10 p.m. D102 TBA

CIT-182 PC Hardware & Software 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. D101 TBA

CIT-282 MS Windows Network Administration/Lab 4 credits
SU LEC SU 12:15 p.m.-3:00 p.m. D116 B Francois

CIT-267 Switching Basics/Intermediate Routing 3 credits
Q2HB HYB SU 9:00 a.m.-3:10 p.m. D103 TBA

ENG-095 Writing Skills I 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B128 A Nicoloro

ENG-111 College Writing I 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B109 J Fiske

ENG-112 College Writing II 3 credits
SU LEC SU 9:00 a.m.-2:45 p.m. B105 L Sutcliffe

ENG-171 Oral Communication 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B128 F Limincelli

ESL-075 Grammar Structures & Editing 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B129A TBA

ESL-078 Academic Reading I 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B104 TBA

ESL-079 Academic Writing I 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B104 TBA

ESL-087 Contemporary Issues & Conversations 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B221 TBA

ESL-088 Academic Reading II 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B106 TBA

ESL-089 Academic Writing II 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B106 TBA

ESL-098 Academic Reading III 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B216 TBA

ESL-099 Academic Writing III 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B219 TBA

HIS-151 Colonization Thru Civil War 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. D211 TBA

MAT-093 Foundations of Mathematics 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B105 TBA

MAT-097 Foundations of Algebra 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B105 TBA

MAT-099 Intermediate Algebra 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B122 TBA

MAT-181 Statistics I 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B210 TBA

MAT-194 College Algebra for STEM 4 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B127 TBA

MAT-282 Calculus II 4 credits
SU LEC SU 12:00 p.m.-4:15 p.m. D210 TBA

PSY-101 Principles of Psychology 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B128 A Nicoloro

SOC-101 Principles of Sociology 3 credits
SU LEC SU 12:00 p.m.-2:45 p.m. B128 A Nicoloro

SPN-101 Elementary Spanish I 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. B132 O Smith

VMA-161 Introduction Digital Photography 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. E160 A Dubes

VMA-162 Introduction Digital Photography 3 credits
SU LEC SU 9:00 a.m.-11:45 a.m. E160 A Dubes

BHCC recommends all students check their BHCC email for important campus-wide notifications and announcements, as well as BHCC online course-related information.
# alternative learning

## CSDL & Mini Sessions

### Center For Self-Directed Learning

The Center for Self-Directed Learning (CSDL) is an environment where students have the flexibility to make their own schedules of study, work at an individualized pace of instruction, and earn college credit for successful completion of the course. The CSDL provides state-of-the-art multi-media and technological resources for independent on-site instruction under the supervision of content area facilitators and trained professional tutors. The range of instructional media materials includes computer-assisted instruction, videotapes and CDs, as well as interactive study groups. Regardless of the medium, students are always active participants in the learning process and able to direct the pace of their learning while receiving progress evaluation on a continuous basis. Course facilitators and tutors are available to the student for assistance at all times. The CSDL is located in the H building, H165.

If taking a course interests you, call 617-228-2225, e-mail: CSDL@bhcc.mass.edu, or visit room H165.

### Fall Semester hours:

Monday-Thursday: 8:30 a.m.-9:00 p.m.
Friday: 8:30 a.m.-11:00 p.m.
Saturday-Sunday: 8:30 a.m.-4:00 p.m.

### Mini Sessions

BHCC offers students the option of taking courses in a seven-week accelerated format. Mini Sessions also give the student an opportunity to register for a course they may have been closed out of during the traditional semester.

## Mini Session I

Session runs September 16 - November 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC-101</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>M, W 6:00 p.m.-9:05 p.m.</td>
<td>B217</td>
</tr>
<tr>
<td>Q2HB HYB</td>
<td>S 8:30 a.m.-11:35 a.m.</td>
<td>D120</td>
</tr>
<tr>
<td>BUS-101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Q1 SEM</td>
<td>T, TH 6:00 p.m.-9:05 p.m.</td>
<td>B127</td>
</tr>
<tr>
<td>CIT-110</td>
<td>Applications/Concepts</td>
<td>3</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>M, W 11:30 a.m.-2:35 p.m.</td>
<td>D177</td>
</tr>
<tr>
<td>CIT-162</td>
<td>Introduction to Networking</td>
<td>3</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>S 9:00 a.m.-3:10 p.m.</td>
<td>D103</td>
</tr>
<tr>
<td>CIT-267</td>
<td>Switching Basics/Intermediate Routing</td>
<td>3 credits</td>
</tr>
<tr>
<td>Q1HB HYB</td>
<td>M 3:35 p.m.-5:10 p.m.</td>
<td>D103</td>
</tr>
<tr>
<td>Q2HB HYB</td>
<td>T, TH 10:00 a.m.-11:15 a.m.</td>
<td>D103</td>
</tr>
<tr>
<td>ECO-201</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Q1HB HYB</td>
<td>S 12:00 p.m.-3:35 p.m.</td>
<td>B217</td>
</tr>
<tr>
<td>ENG-111</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>M, W 6:00 p.m.-9:05 p.m.</td>
<td>B125</td>
</tr>
<tr>
<td>Q2 LEC</td>
<td>T, TH 6:00 p.m.-9:05 p.m.</td>
<td>B337</td>
</tr>
<tr>
<td>HIS-102</td>
<td>Western Civilization from Renaissance</td>
<td>3 credits</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>T, TH 2:30 p.m.-5:35 p.m.</td>
<td>B112</td>
</tr>
</tbody>
</table>

## Mini Session II

Session runs November 4 - December 22

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC-102</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>R1 LEC</td>
<td>M, W 6:00 p.m.-9:05 p.m.</td>
<td>B217</td>
</tr>
<tr>
<td>R2HB HYB</td>
<td>S 8:30 a.m.-11:35 a.m.</td>
<td>D120</td>
</tr>
<tr>
<td>CIT-110</td>
<td>Applications/Concepts</td>
<td>3</td>
</tr>
<tr>
<td>R1 LEC</td>
<td>M, W 11:30 a.m.-2:35 p.m.</td>
<td>D177</td>
</tr>
<tr>
<td>R2 LEC</td>
<td>F 6:00 a.m.-3:10 p.m.</td>
<td>D121A</td>
</tr>
<tr>
<td>CIT-167</td>
<td>Routers and Routing Basics</td>
<td>3</td>
</tr>
<tr>
<td>R1 LEC</td>
<td>S 9:00 a.m.-3:10 p.m.</td>
<td>D103</td>
</tr>
<tr>
<td>CIT-274</td>
<td>WAN Technologies</td>
<td>3</td>
</tr>
<tr>
<td>R1HB HYB</td>
<td>T, TH 10:00 a.m.-11:15 a.m.</td>
<td>D103</td>
</tr>
<tr>
<td>ECO-202</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>R1HB HYB</td>
<td>S 12:00 p.m.-3:35 p.m.</td>
<td>B217</td>
</tr>
<tr>
<td>ENG-111</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>R1 LEC</td>
<td>T, TH 2:30 p.m.-5:35 p.m.</td>
<td>B134</td>
</tr>
<tr>
<td>ENG-112</td>
<td>College Writing II</td>
<td>3</td>
</tr>
<tr>
<td>R1 LEC</td>
<td>M, W 6:00 p.m.-9:05 p.m.</td>
<td>B125</td>
</tr>
<tr>
<td>R2 LEC</td>
<td>T, TH 6:00 p.m.-9:05 p.m.</td>
<td>B127</td>
</tr>
<tr>
<td>MAN-105</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Q1HB HYB</td>
<td>F 6:00 p.m.-9:05 p.m.</td>
<td>B217</td>
</tr>
<tr>
<td>MAN-111</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>T, TH 2:30 p.m.-5:35 p.m.</td>
<td>B127</td>
</tr>
<tr>
<td>MAT-194</td>
<td>College Algebra for STEM</td>
<td>4</td>
</tr>
<tr>
<td>MAT-197</td>
<td>Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>MAT-231</td>
<td>Calculus for Management Science</td>
<td>4</td>
</tr>
<tr>
<td>MAT-281</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT-282</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>NHP-180</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>PSY-101</td>
<td>Principles of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY-213</td>
<td>Human Growth/Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY-219</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-110</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

## Courses Offered

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT-162</td>
<td>Routers and Routing Basics</td>
<td>3</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>S 9:00 a.m.-3:10 p.m.</td>
<td>D103</td>
</tr>
<tr>
<td>HIS-102</td>
<td>Western Civilization from Renaissance</td>
<td>3 credits</td>
</tr>
<tr>
<td>Q1 LEC</td>
<td>T, TH 2:30 p.m.-5:35 p.m.</td>
<td>B112</td>
</tr>
</tbody>
</table>

## Contact Information

If you have any questions or need further information, please contact CSDL@bhcc.mass.edu or visit room H165.
ACCOUNTING

ACC-101 Principles of Accounting I 3 credits

After a brief consideration of the meaning and purpose of accounting, this course explores the basic statements of an accounting system: the balance sheet, the income statement and the statement of owner's equity. Students will examine the accounting cycle with an emphasis on the methods of accumulating and summarizing data generated by business transactions. Students will apply their accounting skills to an automated accounting system using general ledger software. Areas of concentration will include adjusting entries, closing process, inventory analysis, merchandising transactions, cash control procedures, receivables, and payables. Prerequisite: Academic Reading III (ESL098) or Reading Skills II (RDG095).

01 LEC M, W 7:00 a.m.-8:15 a.m. D120 TBA
02 LEC T, TH 7:00 a.m.-8:15 a.m. D120 TBA
03 LEC F, R 8:30 a.m.-10:15 a.m. D120 TBA
04 LEC M, W 8:30 a.m.-9:45 a.m. D120 D Cummings
05 LEC M, W 9:00 a.m.-10:15 a.m. D120 D Cummings
06 LEC T, TH 10:00 a.m.-11:15 a.m. D120 D Cummings
07 LEC T, TH 11:30 a.m.-12:45 p.m. D120 D Cummings
08 LEC M, W 1:00 p.m.-2:15 p.m. D120 TBA
10H HYB W 2:30 p.m.-3:45 p.m. D120 Web component required
11 LEC T, TH 2:30 p.m.-3:45 p.m. D120 D Lee
12 LEC M, W 2:30 p.m.-3:45 p.m. D21A D Lee
15 LEC M, W 11:30 a.m.-12:45 p.m. Class meets at the Chelsea Campus
F1 LEC F 6:00 p.m.-7:15 p.m. B217 TBA
H1 LEC TH 6:00 p.m.-7:15 p.m. D120 TBA
LC SFL 1 hour per credit attendance is required
Arranged hours in the CSDL H185 CSDLStaff
M1 LEC M 6:00 p.m.-7:15 p.m. D120 TBA
Q1 LEC M, W 6:00 p.m.-7:15 p.m. B217 TBA
Q2 HYB S 8:30 a.m.-11:35 a.m. D120 TBA
Q2 HYB S 8:30 a.m.-11:35 a.m. D120 TBA
Q2 HYB S 8:30 a.m.-11:35 a.m. D120 TBA
Q2 HYB S 8:30 a.m.-11:35 a.m. D120 TBA
SU LEC SU 9:00 a.m.-11:45 a.m. D120 TBA
T1 LEC T 6:00 p.m.-8:15 p.m. D120 TBA
W1 LEC W 6:00 p.m.-8:15 p.m. D120 TBA
WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. P.Rivers
W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

ACC-105 Accounting Information System 3 credits

This course introduces students to Accounting Information Systems. The course focuses on integrating these systems, set up and applications. The modules covered include, among other topics: general ledger, report writing, invoicing, purchasing, inventory control, accounts receivable, accounts payable, cash receipts, cash disbursements, payroll, and spreadsheet application. Prerequisites: Principles of Accounting I (ACC101), Writing Skills II (ENG095) or placement and Principles of Accounting II (ACC111). Note: Only classes meeting 11/04/16-12/22/13 are sustainable. Please check with the Registrar’s Office if you have questions.

01 LEC T, TH 10:00 a.m.-11:15 a.m. D120 TBA
02 LEC T, TH 2:45 p.m.-4:00 p.m. D120 TBA
03 LEC M, W 8:00 p.m.-9:15 p.m. B217 TBA
04 LEC T, TH 6:00 p.m.-7:15 p.m. D120 TBA
05 LEC M, W 7:30 p.m.-8:45 p.m. B131 TBA
06 LEC T, TH 7:30 p.m.-8:45 p.m. B131 TBA
07 LEC M, W 7:30 p.m.-8:45 p.m. B131 TBA
08 LEC T, TH 7:30 p.m.-8:45 p.m. B131 TBA
09 LEC M, W 7:30 p.m.-8:45 p.m. B131 TBA
W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. J.Bagiorni
W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. D.Lee

ACC-111 Investments 3 credits

Students will be introduced to the dynamic world of investing by evaluating strategies approved by many of the pioneers within the investment industry. A major objective of the course will be to analyze techniques used to maximize risk and achieve high returns. An in-depth examination of key economic reports will enable students to prepare a balanced portfolio of investments. Students will be exposed to the following investment vehicles: cash equivalents, bonds, mutual funds, stocks, real estate, and leveraging with options and futures. Prerequisites: Principles of Accounting II (ACC112).

01 LEC T, TH 10:00 a.m.-11:15 a.m. D120 TBA
02 LEC T, TH 2:30 p.m.-3:45 p.m. D120 TBA
03 LEC M, W 6:00 p.m.-8:15 p.m. B222 TBA
W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. D.Lee

ACC-201 Intermediate Accounting I 3 credits

This course covers, in detail, financial accounting, and generally accepted accounting principles. After a review of the accounting cycle, issues in revenue recognition and the time value of money are discussed. The four main financial statements are studied. Specific accounting issues pertaining to various current assets are covered. Prerequisite: Principles of Accounting II (ACC111).

01 LEC T, TH 11:30 a.m.-12:45 p.m. E451 D.Lee
02 LEC M, W 6:00 p.m.-8:15 p.m. B108 TBA
03 LEC F 6:00 p.m.-8:15 p.m. B108 TBA
W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

ACC-202 Intermediate Accounting II 3 credits

A continuation of Intermediate Accounting I (ACC201), this course focuses on accounting problems for long-term assets, current, and long-term liabilities. Issues in investments leases, employee compensation, and taxes are covered. Accounting for shareholder equity and earnings per share are covered. The preparation of the Statement of cash flow is studied. Prerequisite: Intermediate Accounting I (ACC201).

01 LEC M 6:00 p.m.-8:15 p.m. D212 TBA
02 LEC For username and password, go to www.bhcc.mass.edu/mycourseaccess. N.Williams

ACC-203 Federal Income Tax I 3 credits

This course provides a comprehensive explanation of tax principles dealing with individuals and small businesses. The course covers modules in federal and state income tax processes, concepts, and applications as well as other topics. Prerequisite: Principles of Accounting II (ACC112).

01 LEC M, W 11:30 a.m.-12:45 p.m. D120 D Lee
02 LEC F, 2:30 p.m.-5:10 p.m. B122 TBA
W1 LEC W 6:00 p.m.-8:15 p.m. B222 TBA
W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. D.Lee

ACC-207 Cost Accounting 3 credits

After an introduction to the nature of cost accounting and key definitions, this course covers the accumulation
BUSINESS

BUS-101 Introduction to Business 3 credits
This course is a survey of the purpose, role, and responsibility of business in a capitalist society, including an introduction to the major areas of business such as: Finance, Management, Marketing, and Economics. This course provides a basic foundation for the student who will specialize in some aspect of business in college, and it also provides the opportunity for non-business majors to learn about the business in which they will someday be both producers and consumers. This course will also enable students to explore career options in business, define a career path, and make connections between the classroom learning and the larger business community. This course will fulfill the Learning Community Seminar requirement for first time, full-time students, to assist the student in making a successful transition from our unique urban community into an academic environment. The course will aid students in learning insights, skills, and attitudes necessary to develop academic success strategies for personal and career goals achievement. Prerequisites: Grade of C or better in Academic Reading I (ESLO98) and Academic Writing III (ESLO99) or Reading Skills II (RDG095) and Writing Skills (ENG090) and Admittance to Program.

01 SEM T1H 7:00 a.m.-8:15 a.m. B12 D Grayr
02 SEM M1W 7:00 a.m.-8:15 a.m. B130 T Fontes
03 SEM F1B 30 a.m.-11:15 a.m. B108 TBA
04 SEM M1W 10:00 a.m.-11:15 a.m. B104 L Roberti
05C SEM F1B 30 a.m.-11:15 a.m. B337 T Fontes
05C Must be taken with FY01-27C
06 SEM T1H 10:00 a.m.-11:15 a.m. B134 L Roberti
07 SEM M1W 10:00 a.m.-11:15 a.m. B108 D Grayr
08 SEM T1H 11:30 a.m.-1:45 p.m. B131 TBA
09 SEM F1B 30 a.m.-3:45 p.m. B108 H Jean Giles
10C SEM M10:00 a.m.-11:15 a.m. B140 D E De Curtis
10C SEM W1H 1:00 p.m.-2:15 p.m. B210 D E De Curtis
10C Must be taken with GT11-15C
70 SEM F1B 3:00 p.m.-5:15 p.m. B203 TBA
71 SEM M1W 1:00 p.m.-2:15 p.m. B206 H Jean Giles
72 SEM T1H 10:00 a.m.-11:15 a.m. B202 TBA
73 SEM M1W 10:00 a.m.-11:15 a.m. B104 M Doucette
74 SEM F1B 3:00 p.m.-4:45 p.m. B201 TBA
75 SEM M16 1:00 p.m.-4:45 p.m. B128 TBA
76 SEM T1H 10:00 a.m.-11:15 a.m. B203 MLD M Doucette
77 SEM M1W 10:00 a.m.-11:15 a.m. B205 J Kumahia
78 SEM T1H 6:00 p.m.-9:05 p.m. B217 TBA
79 SEM T1H 6:00 p.m.-9:05 p.m. B217 TBA
80 SEM S1W 12:00 p.m.-2:45 p.m. B109 TBA
81 SEM W1B 3:00 p.m.-4:45 p.m. B125 TBA
82 SEM W1H 1:00 p.m.-2:15 p.m. B110 TBA
83 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. W Tamic
84 WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. W Tamic
85 BUS-106 International Business 3 credits
This course is an introduction to the environments, institutions, systems and operations involved in international business. Students will learn how different economic, legal, political and cultural forces influence international business, and how international competitive strategies, firm operations and organizational structures contribute to business success or failure in the global marketplace. The impact of international trade and investment on economies, businesses and consumers will also be examined. Prerequisites: Macroeconomics (ECON201) or Microeconomics (ECON202).

01 SEM T1H 8:30 a.m.-10:45 a.m. B108 B114 TBA
02 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M Sheehan

ALLIED HEALTH

All Allied Health courses meet at the Chelsea Campus

AHE-095 Topics/Health Care 3 credits
This course increases understanding across a broad spectrum of health care topics using readings and writings as related to the core curriculum.

70 LEC T1H 7:30 a.m.-9:45 a.m. B08 TBA

AHE-101 Medical Interpreting 3 credits
This course is designed for bilingual students interested in becoming integral members of the health care team in bridging the language and cultural gap between patients and providers. Students will examine issues related to interpreter ethics and the role of the interpreter in a variety of health care settings. Topics include anatomy and physiology, pathophysiology, diagnoses, and medical treatments. Activities are designed to develop listening, memory, language-switching skills, and decision-making. This course will familiarize students with the cultural dimensions of health and illness in preparation for their being assigned to an internship where they perform live interpreting under the direct supervision of a professional interpreter and mentor. Note: A grade of B- or better in this course is required for progression in the program. Prerequisites: Writing Skills II (ENG095) and Reading Skills (RDG095) or placement.

90 LEC T5:30 p.m.-8:15 p.m. B07 G Guzman

AHE-106 CNA Practicum 1 credits
This course consists of a practical clinim of 21 hours at a skilled nursing facility to fulfill the State Nurse Aide Certification requirement. Additional expenses may include supplies, equipment, and/or uniforms. Corequisites: Principles of Clinical Practice (AHE110) and Patient Care Skills (AHE111). 70 CLIN Days and times to be arranged B108 Raylene Holtsvd
71 CLIN Days and times to be arranged B108 Raylene Holtsvd
72 CLIN Days and times to be arranged B108 Raylene Holtsvd

AHE-110 Principles of Clinical Practice 3 credits
This course includes topics in the anatomy and physiology of body systems, diseases and conditions, ethics in health care, communications, medical terminology and abbreviations, standard and transmission-based precautions and selected clinical skills. Additional expenses may include supplies, equipment, and/or uniforms. The course is open to Allied Health certificate program students only.

70 LEC M1W 9:00 a.m.-11:15 a.m. B08 B108 Raylene Holtsvd
71 LEC F1H 9:30 a.m.-12:45 p.m. B08 D Latina
72 LEC M1W 1:00 p.m.-2:15 p.m. B08 D Latina

AHE-111 Patient Care Skills 3 credits
This course, taken with CNA Practicum (AHE106) and Principles of Clinical Practice (AHE110), covers the patient care theory and skills required to take the Certified Nurse Aide and Nursing Home Exam. Corequisites: CNA Practicum (AHE106) and Principles of Clinical Practice (AHE110). 70 LEC W3:30 a.m.-11:15 a.m. B08 B108 Raylene Holtsvd
71 LEC F1B 3:30 a.m.-11:15 a.m. B08 D Latina
72 LEC F1H 11:30 a.m.-2:15 p.m. B08 D Latina

AHE-112 Medical Assistant Skills 3 credits
This course covers the skills and theory necessary for medical assistants in hospitals and clinics. Topics include setting up and assisting for physical and specialty examinations, minor surgical procedures, routine laboratory tests, and related medical terminology and abbreviations. Corequisites: Principles of Clinical Practice (AHE110). 70 LEC T1H 10:00 a.m.-11:15 a.m. B08 D Latina
71 LEC T1H 11:30 a.m.-12:45 p.m. B08 D Latina

AHE-115 Phlebotomy/Medical Laboratory Theory 4 credits
This course teaches anatomy and physiology of the circulatory system and the process of collecting blood samples. This course and Practicum/Phlebotomy Technology (AHE206) meet the requirements necessary to sit for a phlebotomy certification exam offered by several private certification groups. Certification is the responsibility of the student. This course requires current health provider CPR Certification at entry. Prerequisites: Writing Skills I (ENG090), Foundations of Mathematics (MATH105), and Reading Skills I (RDG090). Corequisites: Principles of Clinical Practice (AHE110) or permission of program director.

70 LEC F1B 3:30 a.m.-11:15 a.m. B07 L Wallus

AHE-117 Communication Skills/Health Care 3 credits
This course provides the student with the skills to communicate effectively as an Allied Health Professional. The course includes discussions of verbal and non-verbal communication, professional communication, interviewing, interpersonal skills, adapting communication to a patient’s ability to understand, patient education, cultural sensitivity, electronic communication, and fundamental writing skills.

90 LEC W5:00 p.m.-7:45 p.m. B07 L Wallus
as global economic integration, cultural convergence, global institutions, multinational corporations and global business. Students emerge from this project with an understanding of globalization’s key aspects and trends in history, geography, politics, culture, and technology, as well as its impact on labor, standards of living and the environment. This course will also enable students to explore career options in international business, define a career path, and make connections between classroom learning and the larger business community. This course will fulfill the learning community seminar requirement for first-time, full-time students, to assist the student in making a successful transition from our unique urban community into an academic environment. The course will aid students in learning insights, skills, and attitudes necessary to develop academic success strategies for personal and career goals achievement. Prerequisites: A grade of C or better in Academic Reading (ESL099) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills I (ENG090) or placement.

BUS-201 Business Law I 3 credits

This introductory study of the law and its application to the individual, students learn to evaluate and analyze legal problems and systems. The course emphasizes business law and includes procedural law, contracts, torts, consumer law, and related areas. Prerequisites: Writing Skills II (ENG095) or placement and Academic Reading Skills III (ESL099) or Reading Skills II (RDG095) or placement.

BUS-202 Business Law II 3 credits

This concentrated course reviews and emphasizes corporate and basic contract law, product liability, sales, warranties, bankruptcy, repossession, sale and transfer, foreclosure, insurance, trusts, and wills. Prerequisite: Business Law I (BUS201). WBM WEB email mndriscoll@bhcc.mass.edu for user name and password

BUS-207 Professional Communication 3 credits

This course gives students a comprehensive understanding of the use and importance of effective communication in business. Students study types of written, oral, and electronic communication and develop a variety of written and oral communication skills essential to success in business. The course also addresses ethical and cultural issues associated with business communication. Prerequisite: Grade of C or better in College Writing I (ENG101).

CIT-101 Computer Essentials 3 credits

This introductory course is intended for students with little to no computer experience. Students in developmental mathematics, reading and English as well as English as a Second Language (ESL) should consider this for their first computer course. This course starts with an introduction to the Windows environment and covers operating system topics appropriate for beginners, keyboarding, document processing and productivity skills necessary to function in today’s electronic office environment. The course teaches students the skills necessary to use a computer as a tool for academic success. Utilizing the college’s computer laboratories students get extensive “hands-on” personal computer experience in MS WORD as well as EXCEL, INTERNET, and Word Wide Web (WWW) access and use. Students emerge from this course with an understanding of essential computer concepts and terminology, use and application of the

CIT-110 Applications/Concepts 3 credits

This course covers the use and application of modern computer systems. This course includes detailed coverage of fundamental computer concepts, terminology, applications, and theory. Students will get extensive “hands-on” personal computer experience and gain a good working knowledge of MS WINDOWS and MS OFFICE. Upon completion of this course, students will have a grasp of important computer concepts and terminology, an understanding of INTERNET use and applications, a high degree of competence with personal computer hardware, software and personal computer software, as well as an understanding of the effects of information technology on the individual, organizations, and society. All Learner Outcomes and Competencies in this course are based on accepted, comprehensive Internet Standards. Students with prior learning experience may test-out of this component of this course by contacting pla@bhcc.mass.edu. Prerequisite: A grade of C or better in English as a Second Language (ESL) should consider this course for their first computer course. This course starts with an introduction to the Windows environment and covers operating system topics appropriate for beginners, keyboarding, document processing and productivity skills necessary to function in today’s electronic office environment. The course teaches students the skills necessary to use a computer as a tool for academic success. Utilizing the college’s computer laboratories students get extensive “hands-on” personal computer experience in MS WORD as well as EXCEL, INTERNET, and Word Wide Web (WWW) access and use. Students emerge from this course with an understanding of essential computer concepts and terminology, use and application of the

CIT-113 Information Technology Problem Solving 3 credits

This course will give students “hands-on” experience in a wide-range of modern information technology. Several IT concepts will be introduced that will provide the foundation for further study of information technology. Students will work on a number of projects that will give perspectives on areas of IT including but not limited to: visual and/or robotic programming, social media, virtual elements, web development and databases. Issues of security, privacy and ethics will also be examined. Students will leave the course with an understanding of the components of modern IT systems and the scope of knowledge needed to enter the IT professional. Students are expected to have access to computer within internet access outside of class as there is a major web component to the course. Designed for first-time, full-time Computer Technology students, this course will fulfill the Learning Community Seminar requirement for the Computer Information Technology Department. First-year students registering for this course should not register for Computer Applications/Concepts (CIT110). This course is not for Computer Science Transfer, Gaming or Web majors. Prerequisites: Grade of C or better in Reading Skills I (RDG095) and Writing Skills I (ENG090) or placement.

COMPUTERS

CIT-102 Professional Communication 3 credits

This course gives students a comprehensive understanding of the use and importance of effective communication in business. Students study types of written, oral, and electronic communication and develop a variety of written and oral communication skills essential to success in business. The course also addresses ethical and cultural issues associated with business communication. Prerequisite: Grade of C or better in College Writing I (ENG101).

F1 LEC F 6:00 p.m.-8:45 p.m. D17 TBA
H1 LEC TH 6:00 p.m.-8:45 p.m. D17 TBA
H2 LEC TH 7:00 p.m.-9:45 p.m. D17 TBA
LC SLF 1 hour per credit attendance is required Arranged hours in the CSDL H16 E Lapo
M1 LEC M 5:30 p.m.-8:15 p.m. D17 M Puspolo
Q1 LEC MW 11:30 a.m.-2:35 p.m. D17 TBA
R1 LEC MW 11:30 a.m.-2:35 p.m. D17 TBA
R2 LEC F 9:00 a.m.-3:10 p.m. D12A TBA
S1 LEC S 9:00 a.m.-11:45 a.m. D12A TBA
S2 LEC S 12:00 p.m.-2:45 p.m. D17 TBA
SU LEC SU 12:00 p.m.-2:45 p.m. D12A TBA
T1 LEC T 6:30 p.m.-8:45 p.m. D17 TBA
W1 LEC W 6:00 p.m.-8:45 p.m. D17 TBA
W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. D Puspolo
W8B WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. D Zapata

CIT-116 Principles of Internet & Information Security 3 credits

This is a course in Internet and Information Security which is mandatory for all students. All Internet usage is related to securing both personal and organizational information in the “Internet Age.” Beginning with an introduction to physical and electronic security issues, students proceed to explore the legal, ethical and IT professional issues in information and Internet security. Topics covered include, but are not limited to, identity theft, phishing and other email scams, personal and corporate firewalls, spyware and virus scanning software, chat rooms, Internet crimes against children, cyber predators, digital computer forensics, wired and wireless home & organization networks, cyber terrorism, and cyber vandalism. Students gain practical experience in Internet security considerations through a capstone Security Project. Students completing the course also attain the i-SAFE.org certification. Prerequisite: Applications/Concepts (CIT110) or IT Problem Solving CIT115 or Introduction to Computer Science & OOP (CIT220) or equivalent experience or permission of the department chairperson. For additional information and/or a course syllabus contact CITTEditDepartment@bhcc.mass.edu.

LEC: M 7:00 a.m.-11:15 a.m. D17 TBA
LEC: M 11:30 a.m.-2:35 p.m. D17 TBA
LEC: M 2:45 p.m.-6:15 p.m. D17 TBA
LEC: W 6:30 p.m.-8:45 p.m. D17 TBA
LEC: W 9:00 a.m.-11:45 a.m. D17 TBA
LEC: W 12:00 p.m.-2:45 p.m. D17 TBA
LEC: T 6:30 p.m.-8:45 p.m. D17 TBA
LEC: W 8:00 p.m.-10:15 p.m. D16 TBA
LEC: W 8:00 p.m.-10:15 p.m. D16 TBA
LEC: W 8:00 p.m.-10:15 p.m. D16 TBA
LEC: W 10:30 p.m.-1:15 a.m. D16 TBA
LEC: W 11:00 p.m.-2:45 p.m. D16 TBA
CIT-120 Introduction to Computer Science & Object Oriented Programming 4 credits

This is a first course in Object Oriented Programming (OOP) theory, logic and design. Taught in the College’s “hands-on” computer classrooms, this course emphasizes the program design and development process including concepts of variables and flow control, objects, classes, methods, and polymorphism. Students will use an approved computer language as they design code, debug and implement several programs covering the topics presented. Students taking this course are expected to have some prior knowledge of basic computer terminology, Internet navigation and mail, operating system and file management skills. Strong analytical skills are required for students enrolling in this course. Prerequisite: This course is a four-credit course with six contact hours and analogous homework. This course fulfills the Learning Community Seminar requirement for students in AA Computer Science. AAS Computer Science, and AS Computer Engineering areas of study. Other departments may allow this course to be used as a learning community seminar for their students. Students in majors other than the ones listed above are encouraged to consult their advisor or the leading faculty members approval before registering in the course. Prerequisites: Intermediate Algebra (MAT099), Writing Skills II (ENG095), and Reading Skills II (RDG095) or equivalent experience or permission of the department chair. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-133 Introduction to Microsoft Office 3 credits

This introductory course covers the use and application of integrated PC applications software based on the most current version of the office suite. The course covers all aspects of database design and the application of computers in database applications based on the most current version of Microsoft Access. This is a comprehensive course in the use and application of Microsoft Office applications, including: Word Processing, Spreadsheet, Database, Presentation Graphics, and Desktop Information Management. The course emphasizes Internet applications relating to MS Office. It also covers integration of the MS Office applications through the use of collaborate tools, and the ability to smoothly switch from one application to another. Prerequisite: Introduction to Computer Science & Object Oriented Programming (CIT120) or permission of the department chair. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-162 Introduction to Networking 3 credits

This course introduces students to fundamental networking concepts and technologies. The material in this course encompasses a broad range of technologies that will help people work, play, live, and learn by communicating with voice, video, and other data. First, you will examine human versus network communication and the parallels between them. Next, you will be introduced to the major communication models used to plan and implement networks: OSI and TCP/IP. You will gain an understanding of the “layered” approach to networking and examine the OSI and TCP/IP layers in detail. You will learn how to troubleshoot using system tools and diagnostic software. You will become familiar with the various network devices, network addressing schemes and, finally, the types of media used to carry data across the network. In this course, you will gain experience using networking utilities and tools, such as Packet Tracer and Wireshark, to explore networking protocols and concepts. These tools will help you to develop an understanding of how data flows over a network. A special feature of this course is also provided to make an environment of what a range of network services and data can be observed and analyzed. Prerequisite: Introduction to Networking (CIT122). For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-128 Database Design with MS Access 3 credits

This is a comprehensive course in the use and application of databases in computer applications based on the current version of Microsoft Access. The course covers all aspects of database design including entity relationship modeling, tables, reports, queries, forms and other database objects. All key MS Access functionality including Internet applications, integration with other systems, and other office productivity programs are covered. Students gain some experience using Structured Query Language (SQL) and Visual Basic for Applications (VBA) in the final component of the course. Microsoft Corporation has approved this course material as courseware for the Microsoft Business Certification (MBC) Program and students may choose to take the MBC ACCESS Certification Examination upon completion of this course. Prerequisite: Applications/Concepts (CIT110) or IT Problem Solving (CIT115) or Introduction to Computer Science & Object Oriented Programming (CIT120) or equivalent experience or permission of the department chair. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-157 Routers and Routing Basics 3 credits

The primary focus of this course is on routing and routing protocols. The goal is to develop an understanding of how a router learns about remote networks and determines the path to those networks. The course includes both static routing and dynamic routing protocols. By examining several routing protocols, you will gain a better understanding of each of the individual routing protocols. Learning the configuration of routing protocols is fairly simple. Developing an understanding of the routing concepts themselves is more difficult, yet is critical for implementing, verifying, and troubleshooting routing operations. Each week students will design and implement a routing protocol chapter. The course uses a single topology throughout that chapter. You will be using that topology to configure, verify, and troubleshoot the routing operations designed in the labs. The labs and other activities used in this course are designed to help you develop an understanding of how to configure routing operations while reinforcing the concepts learned in each chapter. Prerequisite: Introduction to Networking (CIT162). For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-182 PC Hardware & Software 3 credits

This course provides an excellent, interactive exposure to personal computers, hardware, and operating systems. Students completing this course will be able to describe the internal components of a personal computer, assemble a system, install an operating system, and troubleshoot using system tools and diagnostic software. They will also be able to connect computers to the Internet, share resources in a networked environment and develop greater knowledge and confidence in working with desktop and laptop computers. Students participate in “hands-on” activities and lab-based learning to become familiar with various hardware and software components and discover the capabilities and limitations of their own systems. Stand alone virtual learning tools supplement classroom instruction and provide opportunities for interactive “hands-on” learning. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-216 Visual Basic 3 credits

This course covers an introduction to computer programming using Visual Basic. The course provides students with “hands-on” exposure to object-oriented programming techniques and emphasizes programming logic, using the event-driven components of Visual Basic. Using laboratory case assignments, students plan, design, and create their own Windows applications. They learn how to create a user interface, set control properties, design the logic structures of the project and write code that makes use of this interaction. Visual Basic projects covered include variables and mathematical operations, decision and looping structures, procedures and functions and single level arrays. Prerequisite: Applications/Concepts (CIT110), IT Problem Solving (CIT115) or Introduction to Computer Science & OOP (CIT120). For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-218 Intermediate Visual Basic 3 credits

Expanding on the principles of object oriented and visual programming contained in Visual Basic (CIT216), this intermediate-level course provides students with additional in-depth use of the Visual Basic language. Students gain experience working with VB arrays and objects, combining objects, COM objects, and OLE and ActiveX controls. The Visual Basic Visual Basic projects covered include variables and mathematical operations, decision and looping structures, procedures and functions and single level arrays. Prerequisite: Applications/Concepts (CIT110), IT Problem Solving (CIT115) or Introduction to Computer Science & OOP (CIT120). For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.
CIT-219 Information Security 3 credits

Emphasis in this course in Information Security and Assurance will be placed on understanding the key issues associated with protecting information, the technologies used to protect it, and the potential for, and subsequent detection and response to security incidents. Topics will include inspection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technologies, and tools. A component required of the Information Security Planning function. There will be a "hands-on" lab component required for this course. Students taking this course will be required to sign The White Hat Oath, a Code of Ethics form the Information Systems Security Certification Consortium. Inc.(www.isc2.org). Prerequisite: Windows Operating Systems (CIT256). For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-221 Advanced Computer Forensics 3 credits

This course provides advanced work in computer and digital forensic analysis. Emphasis in this course will be placed on the technical, forensic recovery, analysis and reporting, intrusion detection and analysis, and advanced use of computer forensics tools. Topics covered in Introduction to Computer Forensics (CIT121) will be expanded upon especially in the areas of file system analysis, drive imaging and backup, email and mobile devices forensics and the impact these analyses have upon investigations. Prerequisite: Introduction to Computer Forensics (CIT121).

CIT-230 Help Desk Techniques 3 credits

This course provides students with an overview of the design, implementation, and management of a computer help desk or customer support center. Course topics include customer service skills, troubleshooting tools and methods, problem-solving strategies for common support problems, the incident management process, and user needs analysis and assessment. The course also covers industry certifications, professional associations, and standards of ethical conduct for help desk personnel. Prerequisites: Applications/Concepts (CIT110) or IT Problem Solving (CIT115) or Introduction to Computer Science & OOP (CIT120) or permission of the department chairperson. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-234 Decision Support Using MS Excel 3 credits

This comprehensive course covers the use and application of decision support using spreadsheet software based on the most current version of Microsoft Excel. The applications include basic spreadsheet operations, charting, web queries, multiple sheet workbook, macros, advanced functions, and data base features. The course emphasizes applications involving financial decision-making, financial planning and "what-if" analysis as they relate to various business applications and models. Internet applications of MS Excel and integration of the other MS Office programs are also covered. Microsoft Corporation has approved this course material as courseware for the Microsoft Business Certification (MBC) Program and students may choose to take the MBC Excel Certification Examination upon completion of this course. Prerequisite: Applications/Concepts (CIT110) or Introduction to Computer Science & OOP (CIT120) or equivalent experience or permission of the department chairperson. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-236 SQL Programming 3 credits

This course introduces students to the fundamentals and structures of Structured Query Language (SQL), including the relational database model, and the manipulation concepts. Using a live data base, students learn SQL basics and then move on to the more sophisticated and challenging aspects of SQL. Students get in-depth knowledge of the language through extensive use of Internet based, industry standard SQL programming and certification training engines. Upon completion of this course, students have the skills and competencies required to program in SQL and the background necessary to continue to intermediate and advanced courses in database procedural programming and database administration. Prerequisite: Computer Applications/Concepts (CIT110) or IT Problem Solving (CIT115) or Introduction to Computer Science and Object Orient Programming (CIT120), or permission of the department chairperson. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-237 C++ Programming 4 credits

In this course, students have already been exposed to programming and Object Oriented thinking, develop the ability to correctly analyze a variety of problems and generate appropriate algorithmic solutions using the C++ Programming Language. The course emphasizes the principles of top-down structured design and Object Oriented thinking. Topics include but are not limited to branching and looping mechanisms; arrays, functions and function overloading, arguments by reference and by value as well as optional arguments; recursion; creating packages, structures and classes, constructors and other methods, overloading and restoring, inheritance and polymorphism. Strong analytical skills are recommended for students enrolling in this course, plus familiarity and experience working with the Internet and basic HTML tags. The course covers creating both Java Applications and Java Applets using event handling, animation, and audio. Prerequisite: Writing Skills II (ENG095), College Algebra-STEM (MAT194) and Introduction to Computer Science & Object Oriented Programming (CIT120) with grade C or better or equivalent experience with permission of department chairperson. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-242 Data Structures 3 credits

This course prepares students to understand the fundamentals of data structures with an emphasis on software engineering. Topics include multidimensional arrays, records, dynamic memory allocation, stacks, queues, lists, trees, graphs, and others. The department strongly recommends that students achieve a grade of B- or better in Java Programming (CIT239). Prerequisite: Java Programming (CIT239) and Precalculus (MAT197). For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-250 Collaboration, Communication & Integrating 3 credits

This is a course in modern office technology which introduces students to all major areas of personal and organizational collaboration, communication and integration of MS OFFICE applications. Building on students' basic knowledge of the most current version of the core MS OFFICE applications, the course proceeds to cover in detail, the integration among OFFICE applications including Object Linking & Embedding (OLE),On-Line Meeting, document sharing, and the other collaboration features of MS OFFICE. Using WORD as the "core" application, students gain practical experience in moving and linking data among all applications: WORD, EXCEL, ACCESS, POWERPOINT and OUTLOOK. Advantages and limitations of Voice over IP (VoIP) and video conferencing, along with the importance of security and other considerations involved in implementing these technologies are also covered. Students also gain experience in web enabling and publishing as well as knowledge of the necessary skills and techniques used in implementing all of these applications in offices large and small. Microsoft Corporation has approved this course material as courseware for the Microsoft Business Certification (MBC) Program and students may choose to take the MBC Certification Examination(s) upon completion of this course. Prerequisite: Computer Applications/Concepts (CIT110)
or IT Problem Solving (CIT115) or equivalent course or experience or permission of department chairperson. For additional information and/or a course syllabus contact CITITDepartment@bhcc.mass.edu.

**CIT-262 Wireless Technology** 3 credits
This course will introduce students to the fundamentals of planning, installing, maintaining and troubleshooting a network supported by unbound media. It is assumed that students have no prior knowledge of wireless networks. This course permits students to learn how to apply and support wireless technology in personal, LAN, MAN, CAN and WAN networks. The course is divided into two sections, one that teaches basic wireless concepts and countermeasures to take and pass your Certified Wireless Network Administration (CWNA) exam and the other educates students on how many different wireless devices work. Prerequisite: Introduction to Networking (CIT112).

**CIT-264 Networking Security** 3 credits
The goal of this course is to provide you with a fundamental understanding of network security principles and implementation. You will learn about the technical security and principles involved in creating a secure computer networking environment. You will learn about the authentication, the types of attacks and malicious codes that may be used against your network. You will also learn about Layer 2 switching protocols and concepts used to implement VLAN segmentation. This course focuses on how to configure routing operations while reinforcing the concepts learned in each chapter. Prerequisite: Switching Basics & Intermediate Routing (CIT267).

**CIT-267 Switching Basics/Intermediate Routing** 3 credits
This course will focus on the necessity of security in a network. It will teach you how to implement security measures on a network. The primary goal of this course is to ensure that students have a high degree of competence in the technologies used and principles involved in creating a secure computer networking environment. You will learn about the authentication, the types of attacks and malicious codes that may be used against your network. You will also learn about Layer 2 switching protocols and concepts used to implement VLAN segmentation. This course focuses on how to configure routing operations while reinforcing the concepts learned in each chapter. Prerequisite: Switching Basics & Intermediate Routing (CIT267). For additional information and/or a course syllabus contact CITITDepartment@bhcc.mass.edu.

**CIT-268 Windows Operating Systems** 3 credits
This course provides students with in-depth, hands-on experience with the most commonly used versions of the Microsoft Windows operating systems. Students gain experience using system file managers, utilities, set-up procedures, and other major components of the operating systems. In addition, the course emphasizes gaining an understanding of how a switch communicates with other switches and intermediate devices to support a medical group. Prerequisites: Computer Applications/Concepts (CIT110), IT Problem Solving (CIT115) or Intro to Computer Science/Object Oriented Programming (CIT210) or permission of the department chairperson. For additional information and/or a course syllabus contact CITITDepartment@bhcc.mass.edu.  

**CIT-270 Linux Administration/Lab** 4 credits
This course introduces students to the fundamentals of creating and maintaining a network supported by LINUX clients and servers. It is assumed that students already have a grasp of the basic LINUX commands hence the focus will be on system administration which will include but not be limited to installation, distribution computing, system administrator tools and tasks, file systems, printing, send mail, NIS, NFS, DNS/BIND and setting up a firewall. Prerequisite: Introduction to Networking (CIT112). For additional information and/or a course syllabus contact CITITDepartment@bhcc.mass.edu.

**CIT-271 Batch File Programming** 1 credit
This course teaches students how to create batch files to automate a sequence of commands, to write and use batch files for complex tasks, to use batch file subcommands, to halt the execution of a batch file and to write batch files using replaceable parameters and environment variables. Prerequisite: Linux Administration/Lab. For additional information and/or a course syllabus contact CITITDepartment@bhcc.mass.edu.

**CIT-274 WAN Technologies** 3 credits
The primary focus of this course is on accessing wide area networks (WAN). The goal is to develop an understanding of various WAN technologies to connect small- to medium-sized business networks. The course introduces WAN converged applications and quality of service (QoS). It focuses on WAN technologies including PPP, Frame Relay and broadband links. WAN Layer 2 security concepts are discussed in detail, including types of threats, how to analyze network vulnerabilities, general methods for mitigating common security threats and types of security appliances and applications. The tools available to mitigate the threats are also discussed. During the course, you will learn how to use Cisco Router and Security Device Manager (SDM) to secure a router and implement IP addressing services. Finally, students learn how to implement the principles of traffic control and access control lists (ACLs) and describes how to implement IP addressing services for an Enterprise network, including how to configure NAT and DHCP. LVs and troubleshooting are also included. Prerequisites: Switching Basics & Intermediate Routing (CIT267) or equivalent CCNA experience or certification, equivalent experience, or permission of the department chair. For additional information and/or a course syllabus contact CITITDepartment@bhcc.mass.edu.

**CIT-279 CCNA Security** 3 credits
This course equips students with the knowledge and skills needed to prepare for entry-level security specialist careers and prepare for the CCNA Security certification. This course is a hands-on, career-oriented e-learning solution that emphasizes practical experience. CCNA Security aims to develop an in-depth understanding of networking security principles as well as the tools and configurations available. The following tools are covered: Protocol sniffers/analyzers; TCP/IP and common desktop utilities; Cisco IOS Software; Cisco VPN client; Packet Tracer (PT), and Web-based resources. Prerequisite: Switching Basics & Intermediate Routing (CIT267) or equivalent CCNA experience or certification, equivalent experience, or permission of the department chair. For additional information and/or a course syllabus contact CITITDepartment@bhcc.mass.edu.

**CIT-282 MS Windows Network Administration/Lab** 4 credits
This course provides students with the necessary knowledge and hands-on skills required to manage the most current and industry-accepted version of Microsoft Windows. The course tailors information to requirements
necessary to complete the Microsoft Certified Professional (MCP) exam required by industry. Topics include, but are not limited to, installation, managing users and groups, and controlling access and permissions in the Active Directory Services feature, print services, disk storage, remote access, managing and monitoring the network, the Registry and troubleshooting techniques. Course labs challenge students to piece together new and old networking concepts that reinforce each topic. Prerequisite: Introduction to Networking (CIT162). Pre/ corequisite: Windows Operating Systems (CIT268).

CIT-284 Advanced C++/OOP 3 credits
This course covers intermediate-level programming. Students learn advanced topics of C++, dynamic memory, allocation, pointers, etc., and OOP, function, and operator overloading. Students will be exposed to cross-platform tools. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-285 Advanced Java Programming 3 credits
This course thoroughly examines many of the sophisticated features of the Java programming language, including inheritance, advanced graphics, object-oriented design, data structures, file I/O techniques, multithreading, advanced JDBC Servlets, and Java Server Pages. Students demonstrate their mastery of the material through a series of grades, project, and exams designed to challenge them at an extremely high level. The course not only instructs in the preparation of applications and applets that focus on business-related topics, but also teaches JAVA in an internet-based, integrative environment that utilizes a cross-platform tools. For additional information and/or a course syllabus contact CITDepartment@bhcc.mass.edu.

CIT-299C Computer Internship 3 credits
This course provides a hands-on internship experience in networking. The course is divided into three sections, one that teaches the concepts for building and maintaining a networking career, another introduces guest lecturers from industry and finally either an internship, job shadowing, or team walk through approach to learning. This course provides a solid foundation to understanding the types of jobs available to students with network administration skills, what it is like to work in the networking field, and students will acquire a perspective of employer's expectations. Students will become more successful with the interview process since they will have had real world experience and/or understanding of what will be expected of them when they begin their networking career. Prerequisite: Permission of department chairperson.

CIT-513 Robots, Computers & Engineering 3 credits
This learning community is designed for pre-computer science, computer engineering and information technology students to provide them with programming, engineering and math concepts involved in Robotics. Current state-of-the-art robots will be used to give students hands-on, hands-on experience using the robots to better understand programming, engineering and the related mathematical concepts required for further study in CS, EE and IT. Major emphasis in this course will be to accelerate the student to the conceptual data structures required for success in these fields. Math placement levels will be re-evaluated at the end of this course. This is an entry-level course and is not for students who are enrolled in or have completed Programming for CS, CS15. Students should have a foundational knowledge of Algebra, should not be enrolled in a math class at the same time and should not be eligible for a math class above STEM Algebra. This Cluster fulfills the Learning Community Seminar requirement for Engineering majors with the approval of the Department Chair.

CIT-523 Python Programming 3 credits
This is an introduction to using computation to solve real problems. This course is aimed at students with little or no prior programming experience who have a desire to understand computational approaches to problem solving. Some of the people taking the course will use it as stepping stone to more advanced computer science courses, but for many, it will be their first and last computer science course. Since the course will be the only formal computer science course many of the students take, we have chosen a focus on breadth rather than depth. The goal is to provide students with a brief introduction to many topics so they will have an idea of what is possible when they need to think about how to use computation to accomplish some goal later in their career.

EPU-101 DC Circuit Theory & Lab 4 credits
This course provides an introduction to the nature of electrical current in general, depth coverage of direct current electrical theory and laboratory practices. Topics covered include static electricity, the Bohr Atom, Ohm’s Law, Kirchhoff’s Law, network theorems, and magnetic fields. Course meets: 3 hrs. lecture, 3 hrs. lab. Prerequisite: Topics of Algebra (MAT192) or may be taken concurrently.

EPU-151 Fund of Single Phase Metering 4 credits
This course introduces students to the fundamentals of Single Phase & Polyphase Metering, such as terminology and basic principles of meters. Students review basic single phase & polyphase metering, such as terminology and basic principles of meters. Students review basic single phase & polyphase metering, such as terminology and basic principles of meters. Students review basic single phase & polyphase metering, such as terminology and basic principles of meters. Students review basic single phase & polyphase metering, such as terminology and basic principles of meters.

EPUB-203 Introduction to Undergraduate Operation 4 credits
This course introduces students to the basic operation of underground systems. Through classroom instruction and extensive hands-on experience, students will become familiar with the underground network electrical system and the responsibilities of underground personnel. Students will learn how to use the power formula to determine wire sizes. Correct manhole entry/exit procedures will be demonstrated. Underground safety issues including emergency rescue procedures will be covered. Students will be covered in the installation, splicing and splitting of underground cables will be taught. An equipment orientation will be performed to provide students with a basic understanding of all underground apparatus. (Note: This course is designed of the same topics as EPU153, Underground and Substation Operations, but in greater detail and with more depth and hands-on practice.) Prerequisite: Acceptance into Electrical Utility Program.

EPU-257 Power & Distribution Systems 3 credits
This course introduces the basics concepts of electrical power systems. Subject areas include on electrical power generation, transmission, and distribution. Distribution system layout, distribution transformers, transmission line fault calculations and transmission line protection will also be covered. Prerequisite: AC Circuit Theory (EPU104).

COMPUTER MEDIA TECHNOLOGY

CMF-101 Game Development Essentials 3 credits
This course will present the principles, concepts, and components all of games and the gaming industry’s processes, methodologies, and principles associated with the design, development, and distribution of computer-based games and computer-based simulations. This course is designed to provide the student with an overall comprehension of all the precepts and building blocks that are essential to every computer-based game and simulation. This course fulfills the Learning Community Seminar requirement for students in Computer Media Technology. Prerequisites: Writing Skills II (ENG095) and Reading Skills II (RDG095) or placement.

EPU-102 HTML & Dreamweaver 3 credits
This course teaches the student the principles and concepts of designing and publishing WEB pages in an HTML format. The course is designed to expose the student to the constructs of HTML tags, the attribute modification of HTML tags, the incorporation of CSS styles, CSS styles, hypertext links, scripts using styles, and class assignments. Additionally, the course will teach the student the utilization of graphics and dynamic graphics used in Web design. Also included will be an introduction to all important HTML layers, HTML frames. The course will explore the requirements, tools and controls used in Web page development by lecture, in-class practical exercises, and home study exercises. The course will also teach the student to create WEB sites using Dreamweaver as a state-of-the-art web authoring tool to enable rapid deployment of WEB development projects.

CMT-113 Javascript 3 credits
This course teaches students the concepts and practical application of JavaScript programming language as a WEB authoring tool. Students learn to program WEB pages to perform such tasks as forms and form validation, swap applications, browser detection and control and time and date extraction and conversion. The course explores designing and developing JavaScript functions using iteration loops, conditional statements, switch statements, parameter passing, location redirection, in-line JavaScript and remote access JavaScript utilization. Prerequisites: Computer Applications/Concepts (CIT110) and HTML

COURSE DESCRIPTIONS & Section Listings

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XML Web content to perform such tasks as contextual formatting, conditional selection of Web content from a data source, sorting of content on a Web page, dynamic counting, dynamic summarization, attribute processing, and creating dynamic document-wide numbering schemes. Prerequisites: HTML & Dreamweaver (CMT111) and XML (CMT117).  

CMT-215 ASP.NET 
3 credits 
This course will teach the student the concepts and practical applications of the web-to-database interface. ASP.NET is a powerful web technology that permits the web developers to generate websites that extract data from database server side databases and present the data to the user dynamically. The ASP.NET language is comprehensive and incorporates SQL server and scripting languages as part of its construction. ASP.NET is widely used in and is the technology behind many online-commerce sites today. Prerequisite: JavaScript (CMT113).  

CMT-229 Creating 3-D Special Effects 
3 credits 
This course will present advanced concepts in the creation and implementation of special effects, shadings, caustics, global illumination, mental ray rendering, and lighting, shadows, and cameras. These skills are requisite skills for the successful design and implementation of 3D game design and computer simulation projects. Most of these techniques were employed in the Sony Pictures animated short film “The Chubb Chubbs.” Prerequisite: Maya Character Modeling (CMT123).  

CMT-241 PHP/MySql 
3 credits 
PHP/MySql is a web development programming language that is used to provide dynamic interaction between web content pages and databases. PHP technology permits web developers to retrieve and maintain real-time information for presentation across the web delivery medium. The objectives of this course are to teach the student the skills required to effectively construct real-time web sites for the purposes of e-commerce and real-time information delivery. The student will learn how to design and publish web pages that interact with push/pull actions that interact directly with on-line databases. Prerequisites: HTML & Dreamweaver (CMT111) and SQL Programming (CIT256).  

CMT-505 3D Fluid Simulation 
3 credits 
This course will instruct the student in the techniques and processes required to simulate computer generated liquids and molten materials. The student will also be taught the principles and processes for small scale liquid simulations such as waters splashing, underwater liquids, animated contained liquids, and molten materials. Additionally the student will study and design realistic interactions, splashes, and redirections that occur between liquids and solid objects. This course will be accepted as a Career Elective in the Gaming/Computer Simulation degree program. Prerequisite: Game Engines (CMT503) or MEL Scripting (CMT251).
This course introduces students to fundamental criminal law and constitutional principles and provides a platform for guided discussions of important public policy issues concerning crime, discrimination, healthcare, and immigration. The course uses case studies, simulated legal exercises, small group exercises and analysis to develop higher level thinking skills that prepare students for other course work in criminal justice, law, sociology and history and government.

CRJ-201 Management for Criminal Justice 3 credits
This course presents the principles of administration and management of criminal justice agencies. It examines organizational structure, responsibilities, and the interrelationships of administrative, line, and staff services in police, security, court, and correctional facilities. Prerequisites: A grade of C or better in College Writing I (ENG111), Introduction to Criminal Justice (CRJ101), Criminal Law (CRJ103), Criminal Investigation I (CRJ208) or instructor approval.

CRJ-202 Evidence/Court Procedure 3 credits
This course covers rules of evidence in law enforcement procedures from investigations to courtroom hearings. It examines the role of the criminal trial, judicial notice, and admissibility of testimonial and documentary evidence; relevance, materiality, and competency. The course analyzes state and federal court cases as well as trial techniques and presentation of evidence. Prerequisites: A grade of C or better in College Writing I (ENG111), Introduction to Criminal Justice (CRJ101), Criminal Law (CRJ103), Criminal Investigation I (CRJ208), or instructor approval.

CRJ-208 Criminal Investigation I 3 credits
This course identifies and traces the significance and application of the tools of criminal investigation. It includes fundamentals and theory of an investigation, crime scene procedures, report writing, collection and preservation of evidence, methods of gathering information, and specialized and scientific methods. Prerequisite: Grade of C or better in College Writing I (ENG111), Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CRJ-210 Race, Ethnicity, and Cultural Issue in the American Criminal Justice System 3 credits
This course examines the impact of the policies, procedures, and interpretation of data concerning the American criminal justice system across ethnic, racial, sexual, and cultural lines. It examines cross-cultural interaction within the system and the history and institutional attitudes concerning multicultural issues. Prerequisites: a grade of C or better in College Writing I (ENG111), Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CRJ-211 Criminal Procedure 3 credits
This course explores constitutional issues related to criminal justice. Students learn the Incorporation Doctrine and the views of Justices Black and Frankfurter concerning it. In addition, the course examines the nuances of search and seizure under the 4th Amendment, 5th Amendment self-incrimination issues, 6th Amendment right to counsel issues, as well as the use of informants and electronic interceptions. Prerequisites: a grade of C or better in College Writing I (ENG111), Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CRJ-117 Street Law 3 credits
This course explores constitutional issues related to criminal justice, law, sociology and history and government. This course examines the history, development, trends, and role of the community-based correction program in the American criminal justice system. The course includes therapeutic, support, and supervision programs for offenders. It examines pretrial release, detention, community/day programs, as well as innovative programs. Students must make site visits. Prerequisites: Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CRJ-220 Policing/Democratic Society 3 credits
This course covers an overview of the history, development, and role of the American criminal justice system across ethnic, racial, cultural, and social lines. It examines the theory and science of automated information and specialized scientific methods. Prerequisites: Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CRJ-234 Ethics/Professional Responsibility in Criminal Justice System 3 credits
This course gives students an overview of the ethical dilemmas facing criminal justice professionals in American society. It aids students in the comprehension and retention of diverse ethical issues by analyzing the aspects of ethical behavior and decision-making in law enforcement, court procedure and operations, and corrections. Prerequisites: Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CRJ-245 Cyber Crime in Today's Society 3 credits
This course will focus on the issues, trends and problems associated with crimes perpetrated over the Internet and through the communications networks. The course will consider crimes ranging from embezzlement to auction fraud and social engineering to digital warfare and cyber terrorism. Investigative techniques and legal guidelines will be discussed. Prerequisites: a grade of C or better in College Writing I (ENG111), Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CRJ-299 Criminal Justice Internship 3 credits
Students work 150 hours in a criminal justice facility, probation department, juvenile detention center, or house of corrections, as assigned by the contract advisor. Students may assist counselors and other staff, depending upon placement. Students work on inmate classification, work release programs governed by changing federal, state and local guidelines, as well as the different skills needed for immediate employment in the field. They are responsible for following all guidelines in the BHCC Internship Handbook. Prerequisite: Permission of the instructor.

CUL-108 Basic Baking Skills 4 credits
This course will teach the fundamentals of bakeshop production. It will introduce the students to a variety of baking techniques and skills. Emphasis will be placed on the different skills needed for immediate employment in the pastries industry and the measurement of effectiveness of operations. The course traces the shift from technological policing to community and problem-solving policing. Prerequisites: Introduction to Criminal Justice (CRJ101) and Criminal Law (CRJ103) or instructor approval.

CUL-101 If You Can't Stand the Heat 3 credits
This course introduces students to the challenges and responsibilities encountered by culinary arts students. It provides students with an in-depth knowledge of the options available within the culinary arts industry. The course prepares students with skills necessary to prepare a resume, gain interview skills and become familiar with all of the resources that the college has to offer. Topics covered will include: preparing for a career in the food service field, resume preparation, career options and specific skills necessary to create a successful career, and discovering the best use of resources available to students at BHCC. Prerequisites: Writing Skills II (ENG095), Fundamentals of Math (MAT093), and Reading Skills II (RDG095). For Culinary Arts students only.

CUL-111 Food Service Sanitation/Skills 3 credits
Food Service Sanitation is an introduction to food production practices governed by changing federal and state regulations. Topics to be covered include prevention of food-borne illness through proper handling of potentially hazardous foods, HACCP guidelines required by the Food and Drug Administration, and guidelines for safe food preparation, storing, and reheating. Students will also take the National Restaurant Association ServSafe examination.

CUL-113 How Baking Works: The Science of Baking 3 credits
This course explores the science and theory of baking. Students will learn how different ingredients affect a baked product. Students will explore the changes that take place during the baking process, using recipes and formulas as experiments, and will discuss these outcomes. This course is taught in the bakeshop. Additional expenses may include supplies, equipment, and/or uniforms.

CUL-115 Introduction to Culinary Arts 4 credits
This course introduces students to the theory behind cooking. The class covers the history of cuisine as well as the terminology, equipment use, cooking techniques, and ordering and receiving procedures. Course instruction emphasizes the techniques and skills needed to work in a commercial kitchen. The course introduces students to basic menu and food presentation. Students become proficient in the use of tools and equipment. Additional expenses may include supplies, equipment, and/or uniforms. Corequisite: Principles of Baking (CUL125). This course is for Culinary Arts students only or by permission of the department chairperson.

CUL-116 Basic Culinary Skills 4 credits
This course will provide students with the knowledge in the use of tools, equipment, and knives while

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learning basic skills and procedures related to the preparation of food and cooking procedures. Students will become familiar with spices, and ingredients and lean basic menu construction and presentation used in a professional food service facility. The course is designed to emphasize proper terminology, equipment use, cooking and baking techniques, and pastry production. This course emphasizes the various types of service and inner workings of the dining room. In this beginning course and Advanced Desserts (CUL145), additional expenses may include supplies, equipment, and/or uniforms. Prerequisites: Cafe and Bistro Cuisine (CUL135) and Advanced Desserts and Pastries (CUL145). Corequisite: Essentials of Food Production (CUL125). This course is for Culinary Arts students only or by permission of the department chairman.

01 LEC T TH @ 8:30 a.m.-11:15 a.m. E421 M Barton
02 LEC T TH @ 8:30 a.m.-11:15 a.m. E421 M Barton

CUL-241 Chocolate and Sugar Artistry 3 credits

This course is designed to familiarize students with how to work with chocolate and sugar using various techniques. Students will practice these techniques in the production of chocolate confections, such as truffles and molded chocolates. Sugar artistry, such as poured, pulled and blown sugar will be demonstrated and applied. Students will also work with pastillage, marzipan, and gum paste. Additional expenses may include supplies, equipment, and/or uniforms. Prerequisites: Advanced Desserts (CUL145).

01 LEC F @ 8:30 a.m.-11:15 a.m. E426 TBA

CUL-243 Hot and Cold Desserts 4 credits

This course is designed to introduce students to the production of chilled and frozen desserts. Students are introduced to the production of hot desserts, as well as the production of desserts using both hot and cold components. Students will design menus for a bakeshop or pastry operation and develop an understanding of the various menuing and costing tools required for the operation. Students will learn to analyze and forecast sales. An emphasis is placed on plating and garnishing techniques of dessert production. Students will also be introduced to molecular cooking techniques. Additional expenses may include supplies, equipment, and/or uniforms. Prerequisite: Advanced Desserts (CUL145).

01 LEC T H @ 9:00 a.m.-1:30 p.m. E426 TBA

CUL-249 Baking for Health 3 credits

This course will explore options available for meeting the needs of the customer with dietary restrictions. The student will be introduced to lactose-free, gluten-free, and dairy-free, sugar-free baking. Students will also work with vegan recipes, as well as honey-free and egg-free recipes. Students will also be introduced to the production of pastries using substitute ingredients for health purposes. Healthy and low fat dessert alternative productions of pastries using substitute ingredients for health purposes. Students will also be introduced to molecular cooking techniques. Additional expenses may include supplies, equipment, and/or uniforms. Prerequisite: Advanced Desserts (CUL145).

01 LEC T H @ 2:30 p.m.-5:10 p.m. E426 TBA

EARLY CHILDHOOD EDUCATION

ECE-101 Guidance/Discipline 3 credits

This course covers the study of effective communication in guiding behavior. The course emphasizes techniques that help children build positive self-concepts and individual strengths within the context of appropriate limits and discipline. Prerequisite: Child Growth/Development (ECE103).

01 LEC T H @ 3:35 p.m.-6:15 p.m. B131 TBA

ECE-102 Issues in Early Childhood Education 3 credits

This course is a study of early childhood education programs. The course includes the history of childcare, regulation, types of programs, and current trends and issues in early care and education. The needs of children and families, and the development of quality programs will be emphasized. The course is designed to familiarize students with the techniques used to decorate tiered cakes, and pastries. Students will also be introduced to molecular cooking techniques. Additional expenses may include supplies, equipment, and/or uniforms. Prerequisites: Art, music, science, literature, math, language arts, and dramatic play. Prerequisite: Child Growth/Development (ECE103).

01 LEC F @ 8:30 a.m.-11:15 a.m. B114 TBA
02 LEC W @ 1:00 p.m.-4:30 p.m. B114 TBA
03 LEC M @ 1:00 p.m.-3:45 p.m. B114 TBA
04HB HYB F @ 11:30 a.m.-2:15 p.m. B114 TBA

ECE-104 Curriculum in Early Childhood Education 3 credits

This course is the study of early childhood education programs with emphasis on curriculum development as an artistic, musical, scientific, literary, mathematical, language arts, and dramatic play. Prerequisite: Child Growth/Development (ECE103).

01 LEC F @ 8:30 a.m.-11:15 a.m. B114 TBA
02 LEC W @ 1:30 p.m.-5:15 p.m. B203 TBA

ECE-107 Literacy Development & Learning for Children 3 credits

This course covers the study of setting up and maintaining a program environment with emphasis on health and safety concerns, nutritional considerations, space utilization, equipment needs, and material usage. Prerequisites: Grade of C or better in Academic Reading III (ESL098) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills I (ENG090) or exemption from reading and writing requirements by placement testing.

01 LEC F @ 8:30 a.m.-11:15 a.m. E419 P Schmidt
01 LEC T @ 6:30 p.m.-9:15 p.m. E419 P Schmidt

ECE-108 Infant/Toddler Curriculum Development 3 credits

This course is the study of the aspects of planning and implementing group care for infants and toddlers, including developmental issues, routines and transitions in care-giving, curriculum activities, environmental designs, equipment and materials, guiding behavior including limiting setting and developing security through behavioral management, and working with parents. The course meets Department of Early Education and Care requirements for Infant/Toddler Lead Teacher certification. Prerequisites: Child Growth/Development (ECE103) and a grade of C or better in Academic Reading III (ESL098) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills I (ENG090) or exemption from reading and writing requirements by placement testing.

01 LEC M @ 10:00 a.m.-12:45 p.m. B114 J Lindamood
02 LEC M @ 6:30 p.m.-9:15 p.m. B114 TBA
ECE-109 Math Concepts & Learning for Children 3 credits
This course is a study of concept development and learning in early childhood education programs with emphasis on curriculum development in the area of math for young children. Prerequisite: Child Growth & Development (ECE105) or its equivalent and Curriculum in Early Childhood Education (ECE104) or Child Growth & Development (ECE105) and Introduction and Foundations of Education (EDU101).
01 LEC TH 1:00 p.m.-3:35 p.m. B114 TBA
ECE-110 Science Concepts/ Learning Children 3 credits
This course is a study of concept development and learning in early childhood education programs with emphasis on curriculum development in the area of science for young children. Prerequisites: Child Growth & Development (ECE103) and Curriculum in Early Childhood Education (ECE104) or Child Growth & Development (ECE103) and Introduction and Foundations of Education (EDU101).
01 LEC W 3:35 p.m.-6:15 p.m. B114 J Lindamood
ECE-111 Special Needs Child Early Childhood Education 3 credits
This course covers the study of children with physical, social, emotional and/or cognitive disabilities with emphasis on curriculum development for mainstreaming inclusion of these children into existing early childhood programs. Prerequisites: Child Growth/Development (ECE105) plus three (3) ECE or EDU courses.
01 H8 HYB TH 7:35 p.m.-8:15 p.m. D208 TBA
Web component required
WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.
ECE-112 Families/Community in Early Childhood Education 3 credits
This course is the study of the relationship of parents and communities with early childhood programs. This course emphasizes parent skills for early care and education, parenting skills and need for communication with parents, challenges of dealing with diverse populations and multiple family structures using an anti-bias approach which respects diversity and encourages collaborative efforts in caring for children. Prerequisites: Child Growth/Development (ECE103) plus three (3) ECE or EDU courses.
01 H8 HYB TH 7:35 p.m.-8:15 p.m. B114 TBA
ECE-117 Observing/Record Behavior 3 credits
This course is the study of observing and recording behavior of children with emphasis on child study in all areas of development using a variety of observational tools and recording techniques with children from birth to age twelve. Prerequisite: Child Growth/Development (ECE103).
01 LEC TH 8:30 a.m.-11:15 a.m. B114 TBA
S1 LEC S 8:00 a.m.-11:45 a.m. B337 TBA
ECE-120 Practicum in Early Childhood Education I 3 credits
This practicum experience in an early childhood setting must be completed during the final two semesters of study. The department assigns and/or approves student placement settings. Students must make application for placement and enrollment one semester prior to registration. Acceptance into the Early Childhood Development program does not assure permission to enroll in the course or a placement assignment.
For complete course requirements and application procedures, contact the department chair. The course is graded Pass/Fail. The course is open only to students matriculated in the Associate in Science Degree: Early Childhood Concentration. Prerequisite: Permission of department chair.
01 LEC T 2:00 p.m.-3:30 p.m. B114 J Lindamood
02 LEC T 2:00 p.m.-3:30 p.m. B114 P Schmidt
03 LEC T 2:00 p.m.-3:30 p.m. B114 TBA
ECONOMICS
ECO-201 Macroeconomics 3 credits
This course covers an introduction to the American economy. Topics include: scarcity, opportunity cost and the production possibility curve, unemployment, inflation, our open economy, business cycles, economic growth and development, classical Keynesian models of income and employment determination, government policies for full employment and price stability, and money and the banking system. This course meets General Education World View Requirement Area 3. Prerequisites: Foundations of Algebra (MAT097) and Reading Skills II (RDG095) or placement.
01 LEC T/H 7:00 a.m.-8:15 a.m. B128 TBA
02 LEC M/W 10:00 a.m.-11:15 a.m. B134 S Gupta
03 LEC M/W 11:30 a.m.-12:45 p.m. B133 TBA
04 LEC M/W 2:30 p.m.-3:45 p.m. B134 Gupta
05 LEC T/H 2:30 p.m.-3:45 p.m. B127 TBA
06 LEC M/W 2:30 p.m.-3:45 p.m. B105 TBA
07 LEC T/H 11:30 a.m.-12:45 p.m. 205 Class meets at the Chelsea Campus
M1 LEC M 6:00 p.m.-8:45 p.m. B133 TBA
01 H8 HYB S 12:00 p.m.-3:05 p.m. B221 TBA
Web component required
Class meets 09/16/13-11/03/13
S1 LEC S 12:00 p.m.-2:45 p.m. B134 TBA
WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.
ECO-202 Microeconomics 3 credits
This course covers an introduction to the market system. It covers basic demand and supply analysis, theory of consumer choice, demand and supply elasticity, long run and short run cost curves, and price and output determination under different market structures, such as perfect competition, monopoly and monopolistic competition. The course applies microeconomic principles for analyzing government regulations. The course meets General Education “World View” Requirement Area 3. Prerequisites: Foundations of Algebra (MAT097) and Reading Skills II (RDG095) or placement.
01 LEC T/H 10:00 a.m.-11:15 a.m. B127 S Gupta
02 LEC M/W 11:30 a.m.-12:45 p.m. B134 Gupta
03 LEC T/H 11:30 a.m.-12:45 p.m. H155 TBA
Class meets at the new H building
04 LEC T/H 11:30 a.m.-12:45 a.m. B134 TBA
05 LEC M/W 7:00 a.m.-8:15 a.m. B134 TBA
06 LEC F/S 3:30 a.m.-11:15 a.m. H120 TBA
Class meets at the new H building
M1 LEC M 6:00 p.m.-8:45 p.m. D216 TBA
01 H8 HYB S 12:00 p.m.-3:05 p.m. B217 TBA
Web component required
Class meets 09/16/13-11/03/13
WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.
EDUCATION
EDU-101 Introduction & Foundations of Education 3 credits
This course is designed for students interested in entering the teaching profession with children K-12. Principles, history, philosophy, functions of the school, policies, and current trends are included. Field experiences in area schools are required. The course is best suited for AA Education majors, but others are welcome to enroll. Prerequisites: Grade of C or better in Writing Skills II (ENG095) and Reading Skills II (RDG095) or Placement Testing.
01 LEC M 3:35 p.m.-6:15 p.m. B114 A Reyes
Class meets at the new H building
02 LEC W 10:00 a.m.-12:45 p.m. H155 A Reyes
Class meets at the new H building
EDU-140 Practicum in Instruction 3 credits
This course exposes students to various techniques of learning through the experience of tutoring. Faculty develops supervised tutoring placements in specified subject areas. The placements may be in the classroom, computer lab, Tutoring and Academic Support Center, the Center for Self-Directed Learning, and/or other areas on campus. Students must participate in a weekly on-campus seminar, in addition to two hours of tutoring per credit, per week. The seminar relates the field experiences to students’ objectives through discussions of learning styles, modes of instruction, cross-cultural awareness, tutoring techniques, and study habits. Students gain experience in tutoring, the evaluation process, and management of instructional operations. Prerequisites: Introduction & Foundations of Education (EDU101).
01 LEC TH 1:00 p.m.-2:15 p.m. B108 A Reyes
EDU-501 Becoming a Teacher- A Learning Community Seminar 3 credits
This learning community seminar is designed for education majors who are interested in making a difference in today’s public schools. Inspired by the movie Waiting for Superman, this seminar looks at some of the pressing issues in today’s public schools: overcrowding, lack of funding, outdated curriculum, classroom chaos, and shortage of good teachers (among many others). Sign up for this seminar and join students who want to join the next generation of super teachers. (Requirement: Must be an Education Major to enroll and should be in first two semesters of study at BHCC with 16 college credits or less completed).
01 SEM W 1:30 p.m.-5:30 p.m. H149 A Reyes
Class meets at the new H building
EMERGENCY MEDICAL TECHNICIAN
EMT-103 Emergency Medical Technician 7 credits
This course covers the rendering of emergency care to the sick and injured promptly and efficiently. It conforms to the EMT-B national standard curriculum, as adopted by the Commonwealth of Massachusetts, and is prerequisite for taking the state EMT Exam. Students are responsible for taking the certification examination for EMT. Additional expenses may include supplies, equipment, and/or uniforms.
01 H8 HYB S 8:30 a.m.-3:30 p.m. B08 C Weinstein
Class meets at the Chelsea Campus
90 LEC T/H 6:00 p.m.-10:00 p.m. B08 T Hickey
Class meets at the Chelsea Campus
91 LEC M/W 6:00 p.m.-10:00 p.m. B08 R Doyle
Class meets at the Chelsea Campus
ENERGY & SUSTAINABILITY MANAGEMENT
ENV-111 Survey of Renewable Energy 4 credits
This is a core course in the Energy and Sustainability Management Certificate. Survey of Renewable Energy explores the physical science of electrical energy production from various sources including traditional fossil fuels and renewable alternatives. Consideration will be given to related issues such as cost, system efficiencies, and environmental impacts of various technologies.
01 LEC TH 2:30 p.m.-3:45 p.m. B216 K Frashure
Class meets at the new H building
LAB W 10:00 a.m.-12:45 p.m. H152 K Frashure
Lab meets at the new H building
02 LEC TH 3:55 p.m.-6:10 p.m. B216 K Frashure
Class meets at the new H building
LAB W 2:30 p.m.-5:10 p.m. H152 K Frashure
Lab meets at the new H building
ESM-105 Green Buildings 3 credits
This course provides a framework for making practical design and construction decisions that are environmentally responsible by focusing LEED (Leadership in Energy and Environmental Design) building standards. Students of Renewable Energy explores the physical science of electrical energy production from various sources including traditional fossil fuels and renewable alternatives. Consideration will be given to related issues such as cost, system efficiencies, energy demand, energy efficiency, renewable energy in buildings, ongoing building performance, waste management, building materials, and indoor
ENG-005 IP Completion 0 credit
This course provides an organized, scheduled opportunity for students to satisfy the requirements of the IP. Individualized support is provided through small group lectures and tutorial assistance. The original instructor is responsible for changing any grades. This course does not run on transactions. To participate, an IP contract in English or permission of the instructor

ENG-090 Writing Skills I 3 credits
The first part of a two-semester basic writing sequence, this course develops writing skills needed to begin work in the College Writing program. The course primary emphasis on the development of good sentence writing skills through frequent practice. Such practice may take the form of writing journals, paragraphs, and short essays. Faculty provide attention to difficulties with grammar, punctuation, and spelling primarily on an individual basis. The course does not satisfy any part of the College Writing requirement for graduation.

ENG-095 Writing Skills II 3 credits
This course develops language skills needed to communicate effectively in college study, in the professional world, and in the business world. The course includes sentence formation, applied grammar, spelling, mechanics, and paragraph development. Note: Students must pass the Basic Writing Competency Exam in order to progress to the next course grade. This course does not satisfy the college writing requirement for graduation. Prerequisite: Grade of C or better in Writing Skills I (ENG090) or placement.

ENG-101 College Writing I 3 credits
This course emphasizes writing as a process, from planning and drafting through revising and editing. Using personal experience, readings, and other sources, students write unified, coherent, well-developed essays and practice paraphrasing, summarizing, and using responsibly. To pass College Writing I (ENG112), students must pass the College Writing Exam and earn a grade of C or better for this course. The course meets General Education “College Writing” Requirement Area I. Prerequisite: Grade of C or better in Writing Skills II (ENG095) and Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement.

ENG-115 Sustainable Facilities Management 3 credits
This course highlights the responsibilities, policies, and practices involved with managing the built environment to achieve sustainable goals. Students will gain an understanding of facilities operation, maintenance, architectural blueprint interpretation, health and safety awareness, and occupant engagement. Students will learn how to select and assess energy usage of HVAC systems, electrical systems, lighting systems, and heating systems. Course content will center on facilities management as a process, and its relationship to other functions within an organizational setting. Students will explore the most current strategies and issues in the industry today, including sustainability, productivity, green buildings, as well as human and environmental factors. This course will utilize a combination of classroom techniques (presentation, discussion, team projects, case studies, and guest speakers) to give students a broad understanding of the different aspects of sustainable facilities management.

Prerequisites: Foundations of Mathematics (MAT093), Reading Skills II (RDG095), and Writing Skills II (ENG095).

LEC M 6:30 p.m.-8:45 p.m. 001 H152 TBA
LEC M 7:00 a.m.-8:15 a.m. 002 B211 M Lewis
LEC M 7:00 a.m.-8:15 a.m. 003 B311 C Frank
LEC M 7:00 a.m.-8:15 a.m. 004 B212 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 005 B213 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 006 B214 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 007 B215 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 008 B216 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 009 B217 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 010 B218 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 011 B219 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 012 B220 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 013 B221 C Frank
LEC M 7:00 a.m.-8:15 a.m. 014 B222 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 015 B223 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 016 B224 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 017 B225 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 018 B226 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 019 B227 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 020 B228 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 021 B229 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 022 B230 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 023 B231 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 024 B232 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 025 B233 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 026 B234 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 027 B235 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 028 B236 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 029 B237 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 030 B238 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 031 B239 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 032 B240 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 033 B241 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 034 B242 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 035 B243 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 036 B244 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 037 B245 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 038 B246 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 039 B247 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 040 B248 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 041 B249 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 042 B250 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 043 B251 J Barkley
LEC M 7:00 a.m.-8:15 a.m. 044 B252 T McNamara
LEC M 7:00 a.m.-8:15 a.m. 045 B253 J Barkley
### COURSE DESCRIPTIONS & Section Listings

#### ENG-112 College Writing II

*3 credits*

This course focuses on the research paper, the term paper, essay, argumentation, critical writing, and reading. The course meets General Education "College Writing" Requirement Area 1. Prerequisite: Grade of C or better in College Writing I (ENG111).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Type</th>
<th>Credits</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>LEC</td>
<td>L</td>
<td>3</td>
<td>College Writing</td>
<td>Grade of C or better in College Writing I (ENG111)</td>
<td>J Hanagan</td>
</tr>
</tbody>
</table>

#### Class Meetings

- **LEC:** T TH 10:00 a.m.-11:15 a.m. H148 R Whitman
- **LEC:** T TH 10:00 a.m.-11:15 a.m. H148 J Fiskie
- **LEC:** M W 11:30 a.m.-12:45 p.m. G139 G Yen
- **LEC:** M W 11:30 a.m.-12:45 p.m. G139 E Maurice
- **LEC:** T TH 10:00 a.m.-11:15 a.m. B125 E Maurice
- **LEC:** M W 11:30 a.m.-12:45 p.m. B275 J Cohn
- **LEC:** T TH 11:30 a.m.-12:45 p.m. B135 M Dubose
- **LEC:** T TH 11:30 a.m.-12:45 p.m. B135 E Maurice
- **LEC:** T TH 11:30 a.m.-12:45 p.m. B125 L CurryLetter
- **LEC:** M W 1:00 p.m.-2:15 p.m. B131 TBA
- **LEC:** M W 1:00 p.m.-2:15 p.m. B148 TBA
- **LEC:** M 1:00 p.m.-2:15 p.m. B215 C Corona
- **LEC:** W 3:30 p.m.-4:45 p.m. B227 TBA
- **LEC:** W 3:30 p.m.-4:45 p.m. B148 TBA
- **LEC:** W 3:30 p.m.-4:45 p.m. B104 TBA
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 TBA
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 G Yen
- **LEC:** W 3:30 p.m.-4:45 p.m. H148 G Duda
- **LEC:** W 3:30 p.m.-4:45 p.m. H148 C Duda
- **LEC:** W 3:30 p.m.-4:45 p.m. B222 A Sansen Silva
- **LEC:** W 3:30 p.m.-4:45 p.m. B215 C Corona
- **LEC:** W 3:30 p.m.-4:45 p.m. B215 G Duda
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 TBA
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 G Yen
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 C Duda
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 G Yen
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 TBA
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 L Benson
- **LEC:** W 3:30 p.m.-4:45 p.m. B130 S Parris
- **LEC:** W 3:30 p.m.-4:45 p.m. B222 L CurryLetter
- **LEC:** W 3:30 p.m.-4:45 p.m. B205 J Hanagan
- **LEC:** T TH 10:00 a.m.-11:15 a.m. B215 J Hanagan
- **LEC:** M 10:00 a.m.-11:15 a.m. B215 J Hanagan
- **LEC:** T TH 10:00 a.m.-11:15 a.m. B215 J Hanagan
- **LEC:** M 10:00 a.m.-11:15 a.m. B215 J Hanagan
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- **LEC:** M 10:00 a.m.-11:15 a.m. B215 J Hanagan
ENG-115  Writing Tutor Seminar I  3 credits
This course prepares skilled writing students to work as peer tutors in the College’s Writing Place. It provides advanced instruction in grammar and composition, with special emphasis on the writing process. Through the weekly seminar and tutoring sessions, students develop teaching strategies, problem-solving skills, and greater understanding of composition theory and practice. Prerequisite: Permission of the instructor.

ENG-171 Oral Communication  3 credits
This course develops students’ pose and self-confidence through oral expression. The course emphasizes presentation of individual talks and participation in class discussions.

ENG-203 Creative Writing Workshop  3 credits
This course introduces students to the writing of poetry, short stories, plays, and autobiographies. The course includes some model readings, but the main work is student writing in all four genres. Prerequisite: Writing Skills II (ENG905) or placement in College Writing I (ENG111).

ENG-241 Journalism I  3 credits
This course combines class discussions of journalistic principles with practice in writing news stories. The course then shifts emphasis to field work for a newspaper. In this phase, students follow news leads, evaluate them, compose better ones, and check copy for accuracy. Class discussions encourage students to proofread, edit, sell ads, and lay out final copy for the printer. Prerequisite: Writing Skills II (ENG905).

ENGLISH AS A SECOND LANGUAGE/BASIC

To register for any non-credit Basic English as a Second Language course, students must first take a placement test in the Assessment Center, Room B118. Classes begin September 9, 2013 and will end December 22, 2013

BLL-001 Basic Speak/Listen  $229
This course is for beginners who wish to improve their conversation and pronunciation skills. Students will practice four conversation skills by speaking about interesting topics and improve their pronunciation skills with pronunciation drills. This course should be taken with Basic Read/Write (BLL002).

BLL-002 Basic Read/Write  $229
This literacy course is for non-native speakers of English. Students learn basic writing and reading skills such as vocabulary, reading comprehension, spelling, and grammar. The emphasis is on basic vocabulary and grammar. Students will practice speaking about formal and informal topics such as employment, education, and everyday life. They will complete listening exercises and answer comprehension questions. Students will read and write in this course and learn basic grammar structures. The emphasis is on general English.

BSL-010 Speak/Listen III  $229
Students will practice speaking about familiar and unfamiliar topics in different situations such as employment and education. They will practice public speaking. Students will learn to listen to and understand high beginning to low intermediate materials and answer comprehension questions with sentences and short writings. Students will read and write in this course and learn grammar structures. The emphasis is on academic English.

BSL-011 Read/Write II  $229
Students will learn to read and understand high beginning to low intermediate reading materials. They will learn to answer factual questions and draw inferences and conclusions. Students will learn the process-writing model and write compositions with an introduction, a body, and a conclusion. Students will learn grammar structures. The emphasis is on academic English.

BSL-012 Grammar & Vocabulary II  $229
This course is for BSL010 and BSL011 students who wish to improve their conversation and pronunciation skills. Students will practice four conversation skills by speaking about interesting topics and improve their pronunciation skills with pronunciation drills.

Before BSL students can enter academic ESL courses, they must take a placement test in the Assessment Center, Room B118. 
ENGLISH AS A SECOND LANGUAGE/ACADEMIC

Low-Intermediate Level I Courses:

ESL074 Listening Comprehension & Discussions 3 credits

In this low-intermediate course students develop academic listening skills and participate in small group and whole class discussions based on articles, lectures, and multi-media sources. Students will learn grammar and vocabulary in the context of the materials used for listening, speaking, reading, and writing activities. Students must earn a C or better in order to pass the course. Prerequisite: Placement into ESL level I.

ESL075 Grammar Structures & Editing 3 credits

This low-intermediate course focuses on improving grammar and editing skills through weekly grammar lessons, writing assignments, class discussions and assessments. Students will develop their ability to compose grammatically correct and comprehensible sentences and short writings. Students receive individual feedback that targets their needs. Students must earn a C or better in order to pass the course. Prerequisite: Placement into ESL level I.

ESL079 Academic Writing I 3 credits

In this low-intermediate course, students learn to write paragraphs and short essays through an academic writing process in a variety of rhetorical styles using basic MLA format. Students will write from personal experience and respond to reading by paraphrasing and quoting. Students will learn to write different sentence types, using coordinators and subordinators. Punctuation and grammar will be taught, and students will apply their knowledge by revising and editing their papers. Students must pass the ESL079 Writing Competency Exam and earn a C or better in order to pass the course. Prerequisite: Placement into ESL level I.

ESL086 Academic Listening & Note-Taking 3 credits

This high-intermediate course focuses on listening and note-taking skills. Students develop a system for note-taking and learn how to use their notes to answer comprehension questions as well as to complete writing assignments. All listening and note-taking activities include reading and writing exercises. Students learn grammar in the context of the materials used for listening activities and student generated writing. Students must earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL074, ESL075, ESL078, and ESL079, or placement.

ESL087 Contemporary Issues & Conversations 3 credits

In this high-intermediate course, students practice and demonstrate effective speaking functions in small-group and whole-class discussions of academic reading materials. Students develop a method for delivering an oral presentation to a large group. All speaking activities are organized around reading and writing exercises. Students learn grammar and build their level-appropriate vocabulary in the context of speaking, in the context of the reading materials, and in the context of student generated writing. Students must earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL074, ESL075, ESL078, and ESL079, or placement.

ESL088 Academic Writing II 3 credits

In this high-intermediate course, students increase their level-appropriate vocabulary and develop their reading skills and strategies as they analyze, discuss, and write about longer readings. Students are also introduced to critical thinking skills such as drawing inferences, understanding idioms and figures of speech, and recognizing purpose and perspective. Students learn grammar in the context of the reading materials and in student generated writing. Students must earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL074, ESL075, ESL078, ESL079, or placement.

ESL096 Pronunciation for Academic Success 3 credits

This course for non-native speakers of English focuses on the pronunciation, rhythm and intonation of the English language to enable clearer, more effective, and native-like pronunciation in English. The course is designed for students who have a least intermediate fluency in English. Students must earn a C or better in order to pass the course. Prerequisite: Placement into ESL level 1 or higher.

ESL098 Academic Writing III 3 credits

In this high intermediate course, students develop their writing skills with a focus on the process of college writing from planning and drafting to revising and editing. Students demonstrate their critical thinking skills by writing paragraphs and essays from their personal experience and from readings of medium complexity. Students practice correct grammar and mechanics in the context of the readings and their own writing. Students must pass the ESL089 Writing Competency Exam and earn a grade of C or better in order to pass the course. Students must earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL074, ESL075, ESL078, and ESL079, or placement.

Stand Alone Courses

Stand Alone Courses

ESL083 LEC MW 1:00 p.m.-2:15 p.m. 123B
ESL085 LEC TH 11:30 a.m.-12:45 p.m. 130B
ESL086 T1 LEC TH 7:00 p.m.-8:45 p.m. 131B
ESL087 LEC TH 11:30 a.m.-12:45 p.m. 133B
ESL088 LEC MW 1:00 p.m.-2:15 p.m. 133B
ESL089 LEC MW 10:00 a.m.-11:15 a.m. 133B
ESL090 LEC W 2:30 p.m.-3:45 p.m. 132B
ESL091 LEC T 3:55 p.m.-5:10 p.m. 132B
ESL092 LEC F 2:30 p.m.-3:45 p.m. 130B
ESL093 LEC W 8:30 a.m.-9:45 a.m. 206
ESL094 LEC T 6:00 p.m.-7:15 p.m. 21B
ESL095 LEC TH 6:00 p.m.-7:15 p.m. 134B
ESL096 LEC M 6:00 a.m.-8:45 a.m. 135B
ESL097 LEC S 12:00 p.m.-2:45 p.m. 135B
ESL098 LEC TH 2:30 p.m.-5:10 p.m. 224T
ESL099 LEC F 8:30 a.m.-11:15 a.m. 211B
ESL100 LEC M 8:30 a.m.-9:45 a.m. 135B
ESL101 LEC TH 12:00 p.m.-3:15 p.m. 211B
ESL102 LEC M 10:00 a.m.-11:15 a.m. 206
ESL103 LEC M 6:00 a.m.-8:45 a.m. 213B
ESL104 LEC S 9:00 a.m.-11:45 a.m. 125B
ESL105 LEC SU 12:00 p.m.-2:45 p.m. 221B
ESL106 LEC TH 6:00 p.m.-8:45 p.m. 222T
ESL107 LEC W 6:00 a.m.-8:45 a.m. 210
ESL108 LEC M 2:30 p.m.-5:10 p.m. 135B
ESL109 LEC M 8:30 a.m.-9:45 a.m. 126
ESL110 LEC TH 3:35 p.m.-5:10 a.m. 451
ESL111 LEC M 3:35 p.m.-5:10 a.m. 121B
ESL112 LEC TH 2:30 p.m.-3:45 p.m. 419
ESL113 LEC M 1:00 p.m.-2:15 p.m. 21B
ESL114 LEC TH 9:30 a.m.-11:45 a.m. 207
ESL115 LEC M 6:00 a.m.-8:45 a.m. 211B
ESL116 LEC S 9:00 a.m.-11:45 a.m. 210
ESL117 LEC T 6:00 p.m.-8:45 p.m. 212A
ESL118 LEC W 6:00 a.m.-8:45 a.m. 213
ESL119 LEC F 6:00 p.m.-8:45 p.m. 212B
ESL120 LEC T 11:30 a.m.-12:45 p.m. 215B
ESL121 LEC F 11:30 a.m.-2:15 p.m. 21B
ESL122 LEC TH 3:35 p.m.-5:10 p.m. 212B
ESL123 LEC TH 10:00 a.m.-11:15 a.m. 207
ESL124 LEC TH 6:00 p.m.-8:45 p.m. 212A
ESL125 LEC SU 12:00 p.m.-2:45 p.m. 210
ESL126 LEC W 6:00 a.m.-8:45 a.m. 213
ESL127 LEC TH 9:30 a.m.-11:15 a.m. 207
ESL128 LEC W 6:00 a.m.-8:45 a.m. 135A

Paired Courses

ESL088-01P and ESL089-01P must be taken together.
ESL088-01P LEC MW 8:30 a.m.-9:45 a.m. 223B
ESL089-01P LEC TH 3:35 p.m.-9:45 a.m. 127
ESL088-04P and ESL089-04P must be taken together.
ESL088-04P LEC MW 8:30 a.m.-9:45 a.m. 212B
ESL089-04P LEC MW 10:00 a.m.-11:15 a.m. 228B

Integrated and Theme Based Courses

US History Theme

US History Theme

ESL088-05T and ESL089-05T must be taken together.
ESL088-05T LEC MW 10:00 a.m.-11:15 a.m. 213B
ESL089-05T LEC MW 10:00 a.m.-11:15 a.m. 212B
Advanced Level 3 Courses:

ESL-995 Advanced Grammar & Editing 3 credits

This course is for advanced ESL students and focuses on improving and refining grammar and editing skills. Students receive individual feedback in lower-level grammar courses and further develop their ability to compose grammatically correct and comprehensible sentences, paragraphs, and essays. Topics include various clause types, conditional speech, passive voice, and perfect mods. Students receive individual feedback that targets their needs. Students must earn a C or better in order to pass the course. Prerequisite: Grade of C or better in ESL095 or placement.

ESL-996 Lecture Comprehension & Academic Vocabulary 3 credits

In this advanced course, students develop an academic note-taking system as they listen to lectures and authentic sources. Students practice using their notes to answer comprehension questions, write summaries of sources, and compose responses to critical thinking questions. Students learn advanced academic vocabulary and grammar in the context of advanced level readings, websites, and lectures. Students must earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL086, ESL087, ESL088, and ESL089 or placement.

ESL-997 Academic Discussions & Presentations 3 credits

This advanced course focuses on the communication skills necessary in an academic setting. Students develop and improve a method for delivering an oral presentation to a large group using effective delivery, visual aids, secondary sources, and level-appropriate academic vocabulary. Students practice comprehensible pronunciation along with stress and intonation patterns. All speaking activities are organized around academic reading materials which students will write about and discuss in small groups. Students must earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL086, ESL087, ESL088, and ESL089 or placement.

ESL-998 Academic Reading III 3 credits

This advanced course focuses on the critical and analytical reading skills necessary for success with college level materials. Students demonstrate comprehension of readings through class discussions, writing assignments, and other assessments. Students also develop critical (higher order) thinking skills by interacting with the readings and by summarizing, paraphrasing, quoting, responding to, and evaluating readings. Students do extensive work on understanding and analyzing main ideas and supporting details of articles and essays. Students learn grammar and vocabulary that is supplemental in the context of the reading materials. Students must earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL086, ESL087, ESL088, and ESL089 or placement.

ESL-999 Academic Writing III 3 credits

This advanced course focuses on the academic writing skills necessary for success in college content courses. Students develop their abilities with sentence structure, paragraph writing, and essay writing through extensive practice with multiple drafting, revising, editing, and proofreading. Students write from personal experience, answer essay questions from readings of substantial complexity, and write essays using research sources. Students learn grammar in the context of the readings and student generated writing. Students must pass the ESL099 Writing Competency Exam and earn a C or better in order to pass the course. Prerequisites: Grade of C or better in ESL086, ESL087, ESL088, and ESL089 or placement.

ESL Sociology Learning Community- These courses must be taken together.

ESL098-06C LEC T TH 10:00 a.m.-11:15 a.m. D215 TBA
SOC101-14C LEC T TH 11:30 a.m.-12:45 p.m. D215 TBA

ESL US History Learning Community- These courses must be taken together.

ESL098-05C LEC M W 10:00 a.m.-11:15 a.m. D208 TBA
ESL099-05C LEC T TH 10:00 a.m.-12:45 p.m. B105 TBA
HIS101-02C LEC M W 11:30 a.m.-12:45 p.m. B128 TBA

ESL-995 LEC T TH 11:30 a.m.-12:45 p.m. E140 TBA
ESL095-W1 LEC W 6:00 p.m.-7:45 p.m. E140 TBA
ESL095-W2 LEC T 6:00 p.m.-7:45 p.m. B135B TBA
ESL095-I1 LEC TH 10:00 a.m.-12:45 p.m. B105 TBA
ESL095-O6 LEC F 11:30 a.m.-2:15 p.m. B104 TBA
ESL095-07 LEC M 8:30 a.m.-9:45 a.m. B135A TBA
ESL095-H1 LEC TH 6:00 p.m.-8:45 p.m. B135A TBA
ESL095-M1 LEC M 6:00 p.m.-8:45 p.m. B129A TBA
ESL095-S1 LEC M 12:00 p.m.-2:15 p.m. B223 TBA
ESL095-T1 LEC T 6:00 p.m.-8:45 p.m. B106 TBA
ESL097-01 LEC M W 10:00 a.m.-11:15 a.m. B223 TBA
ESL097-02 LEC M W 8:30 a.m.-9:45 a.m. B105 TBA
ESL097-05 LEC T TH 7:00 a.m.-8:15 a.m. B132 TBA
ESL097-06 LEC T TH 11:30 a.m.-12:45 p.m. B337 TBA
ESL097-07 LEC M 1:30 p.m.-5:10 p.m. B223 TBA
ESL097-08 LEC M 1:30 p.m.-5:10 p.m. B135A TBA
ESL097-S1 LEC S 9:00 a.m.-11:45 a.m. B222 TBA
ESL097-T1 LEC T 6:00 p.m.-8:45 p.m. B130 TBA
ESL098-01 LEC T TH 10:00 a.m.-11:15 a.m. B126 TBA
ESL098-02 LEC M W 11:30 a.m.-12:45 p.m. B112 TBA
ESL098-07 LEC M W 8:30 a.m.-9:45 a.m. B140 TBA
ESL098-08 LEC T TH 8:30 a.m.-9:45 a.m. B112 TBA
ESL098-09 LEC F 8:30 a.m.-11:15 a.m. B126 TBA
ESL098-10 LEC M W 11:30 a.m.-12:45 p.m. B209 TBA
ESL098-H2 LEC T 6:00 p.m.-8:45 p.m. B130 TBA
ESL098-M1 LEC M 6:00 p.m.-8:45 p.m. B130 TBA
ESL098-S1 LEC S 9:00 a.m.-11:45 a.m. B140 TBA
ESL098-SU LEC S U 9:00 a.m.-11:45 a.m. B216 TBA
ESL099-01 LEC F 8:30 a.m.-11:15 a.m. B104 TBA
ESL099-02 LEC M 2:30 p.m.-5:10 p.m. B337 TBA
ESL099-03 LEC T TH 10:00 a.m.-11:15 a.m. B130 TBA
ESL099-08 LEC M W 11:30 a.m.-12:45 p.m. B158 TBA
ESL099-S1 LEC S 12:00 p.m.-2:15 p.m. B104 TBA
ESL099-SU LEC S U 12:00 p.m.-2:15 p.m. B216 TBA
ESL099-W1 LEC W 6:00 p.m.-8:45 p.m. B129A TBA
ESL099-W2 LEC W 6:00 p.m.-8:45 p.m. B105 TBA

Technology Theme Stand Alone Course

ESL097-W1 LEC W 6:00 p.m.-8:45 p.m. B134 TBA

The World of Business

ESL096-03T and ESL097-03T must be taken together.

ESL096-03T LEC T TH 8:30 a.m.-9:45 a.m. B135A TBA
ESL097-03T LEC T TH 11:30 a.m.-12:45 p.m. B135A TBA

Essays, Poetry and Literature Theme- Exploring the Immigrant Experience

ESL096-04T and ESL097-04T must be taken together.

ESL096-04T LEC M W 10:00 a.m.-11:15 a.m. E451 TBA
ESL097-04T LEC M W 8:30 a.m.-9:45 a.m. E451 TBA

Topics in Health Issues

ESL098-H1T and ESL099-T1T must be taken together.

ESL098-H1T LEC TH 6:00 p.m.-8:45 p.m. B135B TBA
ESL099-T1T LEC T TH 6:00 p.m.-8:45 p.m. B135B TBA

Learning Community Clusters

ESL Computer Learning Community- These courses must be taken together.

ESL098-04C LEC T TH 10:00 a.m.-11:15 a.m. B113 TBA
ESL099-04C LEC M W 11:30 a.m.-12:45 p.m. B132 TBA
CIT110-C1C LEC T TH 11:30 a.m.-12:45 p.m. D218 TBA

ESL Psychology Learning Community- These courses must be taken together.

ESL099-06C LEC T TH 8:30 a.m.-9:45 a.m. G138 TBA
ESL101-07C LEC M W 10:00 a.m.-11:15 a.m. D218 TBA
ESL099-07C LEC T TH 10:00 a.m.-11:15 a.m. D214 TBA
ESL099-09C LEC M W 11:30 a.m.-12:45 p.m. B108 TBA
ESL099-H1C LEC TH 6:00 p.m.-8:45 p.m. B110 TBA
ESL101-10C LEC T TH 6:00 p.m.-8:45 p.m. B018 TBA
FOREIGN LANGUAGE

ARB-101 Elementary Arabic I 3 credits

This course is a beginning class in modern standard Arabic. The course begins with exposure to the alphabet, basic vocabulary, and expressions of greetings. The course then focuses on the spoken and written language used in contemporary life in Arab countries. The course works on all skill areas: listening, speaking, reading, and writing presenting pertinent grammar in context. The course is not intended for native speakers or students who have studied this language within the last three years.

H1 LEC TH 8:30 a.m.-9:15 p.m. B217 R Hassan

ARB-102 Elementary Arabic II 3 credits

A continuation of Elementary Arabic I (ARB101), this course emphasizes conversational skills and sentence structure. The course stresses practical applications of the Arabic language. The course meets General Education "Humanities" Requirement Area 6. Prerequisite: Elementary Arabic I (ARB101).

T1 LEC T 6:30 p.m.-7:45 p.m. B213 R Hassan

CHN-101 Elementary Mandarin I 3 credits

A beginning level course in modern standard Mandarin Chinese, mainly for students with no experience in the language. The goal of the course is to develop in the students through a multi-approach the four basic skills in the Mandarin language: listening, speaking, reading, and writing. The course content is geared to use in real life, and the teaching method emphasizes mutual understanding and appreciation of cultures that differ from one’s own and draws on the experiences and backgrounds of both the instructor and students. After a semester's study in this course, students are expected to have achieved a general understanding of the speaking and writing systems of the Mandarin language, and be able to communicate, both in oral and writing forms (speaking, listening, reading, and writing), with some simple and daily Mandarin.

1 LEC F 11:30 a.m.-12:45 p.m. B337 S Xen

2 LEC F 2:30 p.m.-3:45 p.m. B337 S Xen

JPN-101 Elementary Japanese 3 credits

This course is an introduction to the sounds and structures of the Japanese language with emphasis on the acquisition of a limited but practical vocabulary. The course is designed for students who want to learn essential Japanese as quickly and as effectively as possible. Students read and write with Hiragana and look into the world of Kanji. This course is not intended for native speakers or students who have studied this language within the last three years.

1 LEC T 12:30 p.m.-1:45 p.m. B131 L Palazzo

2 LEC TH 2:30 p.m.-3:45 p.m. B124 L Palazzo

JPN-102 Elementary Japanese II 3 credits

This course covers a continuation of the study of basic structures of the Japanese language. The course stresses additional useful vocabulary through reading, listening, and conversations. The course uses a cover material that allows students to learn essential Japanese as quickly and as effectively as possible. The course emphasizes encouraging and helping students obtain pleasure and satisfaction from learning and using Japanese in realistic situations. It emphasizes student ease in interacting and communicating in an uncomplicated but adult language. Students read Kana and some basic Kanji. The course meets General Education "Humanities" Requirement Area 6. Prerequisite: Elementary Japanese I (JPN101).

1 LEC MW 11:00 a.m.-12:15 p.m. E140 Y Kiser

1 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M D'Auria

JPN-201 Intermediate Japanese I 3 credits

This course offers instruction in intermediate Japanese. Students will learn how to communicate and express various ideas. Students will learn how to form long and detailed sentences with emphasis on conversational skills. In addition, they will learn how to read and write some basic Kanji. Various aspects of Japanese culture and customs will be introduced and discussed throughout the semester. Prerequisite: Elementary Japanese (JPN102) or equivalent.

1 LEC MW 10:00 a.m.-11:15 a.m. E140 Y Kiser

RUS-101 Intermediate Russian I 3 credits

This course will introduce students to the Russian language and culture. The course focuses on useful vocabulary and basic concepts of grammar essential for leading simple conversations in everyday situations. The course offers a unique insight into the life of Russian people. Students will master the Cyrillic alphabet and
GOVERNMENT

GOV-101 Government and Politics in U.S. 3 credits
This course explores some questions and theories that interest political scientists and historians, and methods they use to explain governmental operations. Insight into the major ideas, embodied in the Constitution, is developed. Topics include federalism, organization and functions of the three branches of the national government, civil liberties and civil rights, political participation and voting behavior, the media, bureaucracies, and public policy. This course meets General Education "Individual and Society" Requirement Area 2. Prerequisites: Grade of C or better in Academic Reading Skills II (RDG095), or Writing Skills II (ENG095), or exemption by placement testing.

01 LEC T TH 7:00 a.m.-8:15 a.m. B129A TBA 02 LEC M W 10:00 a.m.-11:15 a.m. D122 TBA 03 LEC M W 1:00 p.m.-2:15 p.m. D217 M Wkstudy
04 LEC M W 8:30 a.m.-9:45 a.m. H120 M Wkstudy
05 LEC M W 2:30 p.m.-3:45 p.m. 205 TBA Class meets at the new H building
07 LEC M W 2:30 p.m.-3:45 p.m. 205 TBA Class meets at the new H building
11 T1 M W 6:30 p.m.-7:45 p.m. D Dow
13 W6 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

GOV-103 State and Local Politics 3 credits
This course acquaints students with the history and functions of state and local government. It includes an analysis of political organization and structure; state and local government taxing powers; economic, educational, and police powers; and public service functions of government. The course meets General Education "Individual and Society" Requirement Area 2. Prerequisites: Grade of C or better in Academic Reading Skills II (RDG095) and Writing Skills II (ENG095), or exemption by placement testing.

01 LEC T TH 7:00 a.m.-8:15 a.m. B337 M Wkstudy 02 LEC F B 8:30 a.m.-11:15 a.m. D122 TBA 03 LEC T TH 8:30 a.m.-9:45 a.m. TBA M Wkstudy
04 LEC M W 10:00 a.m.-11:15 a.m. H120 M Wkstudy Class meets at the new H building
05 W6 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

HISTORY

HIS-101 Western Civilization to the Renaissance 3 credits
This course covers a multi-disciplinary survey of the evolution of Western civilization from its roots in ancient times through the early modern periods. It examines artistic, ideological, economic, social, and political questions in order to assist students to understand the development of modern Western culture. Prerequisites: Grade of C or better in Academic Reading III (ESL098) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills II (ENG095), or exemption by placement testing.

01 LEC M W 7:00 a.m.-8:15 a.m. D122 K Mapstone
LC SLF 1 hour per credit attendance is required Arrange hours in the CSLD H185 CSLD Staff
02 LEC M W 10:00 a.m.-11:15 a.m. D122 K Mapstone
03 LEC M W 11:30 a.m.-12:45 p.m. D122 TBA
04 LEC M W 12:00 p.m.-1:15 p.m. D122 TBA

HIS-102 Western Civilization from Renaissance 3 credits
This course covers a survey of the major intellectual, social, economic, and political developments in Western civilization since the 17th century. It emphasizes the roots of modern contemporary institutional and ideological problems. The course meets General Education "World View" Requirement Area 3. Prerequisites: Grade of C or better in Academic Reading III (ESL098) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills II (ENG095), or exemption by placement testing.

01 LEC F B 8:30 a.m.-11:15 a.m. D122 TBA 02 LEC M W 11:30 a.m.-12:45 p.m. D122 TBA

GEORPHY

GEO-101 World Regional Geography 3 credits
This course examines the geographical context of major social, cultural, economic, and political issues in selected regions of the world and develops a mastery of maps and the geographic aids as means of learning and communication. Major regional emphases vary from semester to semester among areas of Eastern Europe; the former U.S.S.R., the Middle East, the Orient, Latin America, and Africa. The course meets "World View" General Education Requirement Area 3. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095), or Writing Skills II (ENG095), or exemption by placement testing.

01 LEC M W 1:00 p.m.-2:15 p.m. D211 TBA 02 LEC M W 2:30 p.m.-5:45 p.m. D217 TBA
03 W6 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

HIS-111 World Civilization to 1500 3 credits
This course examines similarities and differences among the major world civilizations before the modern era. Topics include traditions of governance, art, religion and philosophy, technology, family structure, and everyday life. The course meets General Education "World View" Requirement Area 3. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) and Writing Skills II (ENG095), or exemption by placement testing.

01 LEC M W 8:30 a.m.-9:45 a.m. D212 TBA 02 LEC M W 11:30 a.m.-12:45 p.m. D216 TBA 03 LEC T TH 3:30 p.m.-4:45 p.m. B135A TBA 04 LEC M W 12:00 p.m.-1:15 p.m. D212 TBA 05 LEC T TH 1:30 p.m.-2:45 p.m. B135A TBA 06 LEC T TH 10:00 a.m.-11:15 a.m. D211 TBA 07 T1 T6 3:30 p.m.-4:45 p.m. D212 TBA
08 W6 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

HIS-112 World Civilization From 1500 3 credits
This course examines similarities and differences among the major world civilizations in the modern era. Topics include traditions of governance, art, religion and philosophy, technology, family structure, and everyday life. The course meets General Education "World View" Requirement Area 3. Prerequisites: Grade of C or better in Academic Reading III (ESL098) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills II (ENG095), or exemption by placement testing.

01 LEC T TH 7:00 a.m.-8:15 a.m. B217 K Mapstone 02C LEC T TH 8:30 a.m.-9:45 a.m. B237 K Mapstone 02C must be taken with ENG112-16C 03 LEC M W 11:30 a.m.-12:45 p.m. D211 TBA 04 LEC T TH 11:30 a.m.-12:45 p.m. D211 TBA 04 LEC M W 12:00 p.m.-1:15 p.m. D211 TBA 05 LEC T TH 12:15 p.m.-3:00 p.m. D211 TBA
06 W6 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

HIS-113 Women in U.S. History 3 credits
This course will explore women's roles in American history. It will provide a chronology of the chattel-to-citizens cultural phenomenon including gender identity, economics, government, and law, and mass media will be examined in relation to the impact on women. The course will be debated with valuable insight into the women's movement and provide them with working definitions of feminism and its goals. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) and Writing Skills II (ENG095) or placement equivalencies.

H1 LEC T TH 6:30 p.m.-9:15 p.m. D212 TBA

HIS-151 Colonization thru Civil War 3 credits
This course traces the growth and development of America from colonial beginnings to the Civil War. The course devotes major attention to the people, critical issues, and significant forces that determined the course of events that shaped our civilization. The course meets General Education "World View" Requirement Area 3. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095), and Writing Skills II (ENG095) or exemption by placement testing.

01 LEC M W 8:30 a.m.-9:45 a.m. D211 H Allen 02 LEC M W 10:00 a.m.-11:15 a.m. D211 H Allen 03C LEC M W 11:30 a.m.-12:45 p.m. B105 H Allen 03C must be taken with ESL99-55C and ESL99-55C 04 LEC M W 11:30 a.m.-12:45 p.m. B126 TBA 05C LEC T TH 10:00 a.m.-11:15 a.m. B106 TBA 06C LEC F B 8:30 a.m.-11:15 a.m. B106 TBA 06C must be taken with ENG111-35B 07 LEC M W 12:00 p.m.-1:15 p.m. C202 R Klaman H1 LEC T TH 6:30 p.m.-9:15 p.m. D211 TBA

SCIENCE REGISTRATIONS & SD Listings

MATH 110 College Algebra 5 credits
This course is a study of the algebra of the real number system. Emphasis is on the basic concepts and techniques of algebra through practical applications. Prerequisite: Two years of high school math or equivalent placement. 01 LEC M W 12:00 p.m.-2:15 p.m. B302 H Allen 02 LEC M W 12:00 p.m.-2:15 p.m. B303 H Allen 03 LEC M W 9:30 a.m.-11:45 a.m. B302 H Allen 04 LEC M W 10:00 a.m.-12:15 p.m. B303 H Allen 05 LEC M W 12:00 p.m.-2:15 p.m. B304 H Allen 06 LEC M W 2:30 p.m.-4:45 p.m. B304 H Allen 07 LEC M W 9:30 a.m.-11:45 a.m. B305 H Allen 08 LEC M W 10:00 a.m.-12:15 p.m. B305 H Allen 09 LEC M W 12:00 p.m.-2:15 p.m. B306 H Allen 10 LEC M W 2:30 p.m.-4:45 p.m. B306 H Allen
HIS-152 Reconstruction to Present 3 credits
This course covers the rise of the United States from the turmoil of the Civil War to superpower status. The course examines the cultural, economic, diplomatic, and political forces that have given the nation its shape. The course meets General Education “World View” Requirement Area 3. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) and Writing Skills II (ENG095); or exemption by placement testing.
01 LEC M,W,2:30 p.m.-3:45 p.m. D211 TBA
02 LEC F 8:30 a.m.-11:15 a.m. D211 J Pearlman
03 LEC T,TH 1:30 a.m.-2:45 p.m. D211 H Allen
04 LEC T,TH 2:30 p.m.-3:45 p.m. D211 TBA
05 LEC T,TH 10:00 a.m.-11:15 a.m. D212 H Allen
S1 LEC S 9:00 a.m.-11:45 a.m. D212 TBA
SM WEB For username and password, go to
wbhcc.mass.edu/mycourseaccess.
WB WEB For username and password, go to
www.bhc.mass.edu/mycourseaccess.

HONORS
HON-200 Honors Seminar 3 credits
This interdisciplinary seminar treats a selected theme through topics previously covered in other courses, with topics suggested by individual students. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) and Writing Skills II (ENG095); or exemption by placement testing.
01 LEC W 1:00 p.m.-12:45 p.m. TBA Rshel expenses
02 LEC T,TH 1:30 a.m.-2:45 p.m. D216 J lehowsky/Elkann

HOSPITALITY
HRT-105 Hospitality Seminar 3 credits
The course is designed for students with an in-depth, experiential understanding of the options available within the hospitality industry. Topics include industry-specific areas such as hotels, resorts, cruises, tours, convention and visitor bureaus and travel agencies with particular focus on the skills and abilities that each individual needs to create a successful career. Guest speakers and site visits are an integral part of this course.
01 SEM M,W,8:30 a.m.-9:45 a.m. E450 M Lee-Locke
02 SEM T,TH 3:35 p.m.-8:45 p.m. E419 K Spencer

HRT-109 Hospitality Marketing Management 3 credits
This course examines the market environment in which a firm operates. The course covers communications principles and their application to sales goals. It considers effective utilization of tools and techniques of merchandising in hotels and restaurants. Prerequisite: Principles of Management and Service in Hospitality (HRT112).
01 LEC M,W,11:30 a.m.-2:45 p.m. E419 L Maguire

HRT-112 Food and Beverage Operations for Hospitality Professionals 3 credits
This course covers the operations of dining and lounge services as they relate to the tasks of effective management of food service, job assignments, and labor cost control. The course also covers elements in relationship with optimum staffing, scheduling and productivity analysis. In addition, students discuss and practice issues in training, supervision, and quality guest services. A special emphasis is placed on brand recognition, company philosophy, marketing, sales, and beginning hospitality accounting to include basic financial statements.
01 LEC T,TH 9:30 a.m.-2:45 a.m. E419 H Kahler

HRT-117 Hospitality Law 3 credits
This course examines the common and statutory law of the hospitality and tourism industry. The legal aspects of hotel and restaurant operations, employment law, tort liability, civil rights law and American with Disabilities Act compliance are also addressed. Prerequisite: Principles of Management and Service in Hospitality (HRT112).
01 LEC M,W,11:00 a.m.-11:15 a.m. E419 L Maguire
02 LEC T,TH 10:00 a.m.-11:15 a.m. E419 L Maguire

HRT-118 Basics of Meeting Management 3 credits
This course covers applied knowledge and skill that students need to plan professional meetings and conferences. The course takes students through the step-by-step process that exposes them to the decisions, problems, and concerns of planning effective meetings and programs that constitute a professional conference. The class format requires students to undertake a team project based on a variety of typical professional specifications.
01 LEC T,TH 11:30 a.m.-2:45 a.m. E419 L Maguire

HRT-121 Principles of Management and Service in Hospitality 3 credits
This course introduces the principles of sound business management focusing specifically on the unique needs of service industries. Students will understand the business strategies and structures used in hospitality. Particular focus will be paid to communication skills, managing people and ensuring quality service within the hospitality organization.
01 LEC M,W,10:00 a.m.-2:15 p.m. E419 H Kahler
02 LEC T,TH 10:00 a.m.-11:15 a.m. E450 H Kahler

HRT-122 Managing Groups 3 credits
This course introduces students to group sales, support and tour management. Students will learn the skills necessary to handle the management of large groups of people over different modes of travel and to different destinations. Prerequisite: Basics of Meeting Management (HRT119).

HUMAN SERVICES
HSV-101 Introduction to HS Profession 3 credits
This introductory course covers the historical aspects of human services, the human rights and the skills of the human services worker, administration and funding of agencies, and the dynamics of work in the profession with a 15 contact hour (per semester) service learning requirement at a human service organization. Prerequisites: Grade of C or better in Academic Reading III (ESL098) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills II (ENG095).
01 LEC M,W,8:30 a.m.-9:45 a.m. E419 L Maguire

HRT-125 Principles of Hospitality Finance & Accounting 3 credits
This course encompasses basic accounting principles within the unique context of the hotel industry and financial management strategies of tourism based businesses. Emphasis is placed on how to administer accounting procedures to minimize cost and maintain a full range of customer services. Topics include: cash flow cycle, accounting principles and procedures, elements of financial statements, maintaining financial statements, and analysis of financial records. Prerequisite: Principles of Management and Service in Hospitality (HRT112).
01 LEC M,W,7:00 a.m.-8:15 a.m. E450 M Lee-Locke

HRT-131 Front Office Operations w/Technology Component 3 credits
This course covers the responsibilities of management including principles of front-office procedures, accounting fundamentals and supervisory and communication skills as they relate to the various support departments that impact the guest cycle. It includes training on front desk software.
01 LEC M,W,2:30 p.m.-3:45 p.m. D116 L Maguire

HRT-133 Culinary Theory in Hospitality 3 credits
Students gain knowledge in the use of tools and equipment while learning basic procedures related to preparation and cooking. Students learn basic menu construction and presentation used in the development of full menus utilized in a quantity food production facility. The course emphasizes cooking techniques, terminology, equipment use, and commercial kitchen operation, as well as proficiency in knife skills and uses of various culinary tools. Additional expenses may include supplies, equipment, and/or uniform.
01 LEC T,2:30 p.m.-5:10 p.m. E421 G Kelley
T1 LEC T,5:30 p.m.-8:15 p.m. E450 T Barton

HRT-151 Casino Operations Management 3 credits
This course provides the student with an overview of the casino Industry. It covers forms of gaming, gambling, destinations, and organization of a casino resort. The course offers students insight into the various career paths available within this thriving industry.
W1 LEC W,5:15 p.m.-8:30 p.m. E419 TBA

SECTION CODES & ABBREVIATIONS
01-58 ___________________ Charlestown Day
54, 55 ___________________ Grant Programs
M1-M4, T1-T4, W1-W4, H1-H4, F1-F4, _____________ Charlestown Evening
EB, _____________ East Boston Health Center
LC, _____________ Center for Self-Directed Learning
MH-MH4, _____________ Malden High School
SM, _____________ Streaming Media
WB-WB4, _____________ Web Courses
WBL, _____________ Online Late Start Courses
WBM, _____________ Mass Colleges online
70-79, _____________ Chelsea Day
87, _____________ Somerville
90-94, _____________ Chelsea Evening
Q1-Q4, R1-R4, _____________ Mini Session Courses
S1-S4, _____________ Saturday
SU-SU4, _____________ Sunday
CLIN, _____________ Clinical
HYB, _____________ Hybrid
LAB, _____________ Lab Practicum
LEC, _____________ Lecture
L/L, _____________ Lab Practicum and Lecture
SEM, _____________ Seminar
SLF, _____________ Students determine their own schedule
WEB, _____________ Web Based
M, _____________ Monday
T, _____________ Tuesday
W, _____________ Wednesday
TH, _____________ Thursday
F, _____________ Friday
S, _____________ Saturday
SU, _____________ Sunday
Sustain, _____________ Sustainability within Curriculum

Courses marked with a leaf symbol are part of BHCC’s ongoing efforts to integrate sustainability into the College’s curriculum. These courses emphasize the importance of environmental responsibility and contribute significantly to students, understanding and practice of sustainability. Not all sections may be sustainable, please check with the Registrar’s Office if you have questions.
civic engagement and service. This course is geared to students with no prior yoga experience. Students need to learn using clothing that allows for freedom of movement as there will be a physical practice in each class meeting. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement.

110 American Culture 3 credits
This interdisciplinary course focuses on the historical evolution of American beliefs and values and is designed for students from other cultures. Students study the way these values and beliefs have shaped contemporary society such as education, business, the government, and the family. The course examines extensive cross-cultural comparisons with the students' native cultures. Materials include film, music, and short works of literature. The course meets General Education “Humanities” Requirement Area 6. Prerequisite: Academic Reading III (ESL098) or Reading Skills II (RDG095) or exemption from reading requirement by placement testing.

120 Practicum in Human Services I 3 credits
This course is the study of current issues in the human services delivery system with emphasis on human, legal, and civil rights, service delivery, and resource availability. Economic, political, and social changes in society affect the delivery of human services with particular attention to the needs of housing, employment, health, nutrition, and well being of participants in the system will be examined. Prerequisites: Intro to the HS Profession I (HSV101), Principles of Psychology (PSY201), Counseling (PSY215), and Adolescent & Adult Development (PSY224).
1 LEc W 8:30 a.m.-11:45 a.m. G140 TBA
1 S1 leC 12:00 p.m.-2:45 p.m. G140 TBA

LEARNING COMMUNITY CLUSTERS

Learning Community Clusters enable students to take two or more courses together, and learn and study with the same group of students. In Clusters, faculty members have planned their courses to get affordable courses with one another. Clusters offer small class sizes and hands-on activities such as field study and team projects.

Accelerated English Cluster: Consumerable Planet 6 credits
This six-credit learning community integrates ENG095 and ENG111 enabling students to complete both courses in one semester. Drawing from written and oral histories as well as music and the visual arts, students will analyze a variety of urban communities, with particular emphasis on exploring voices that have traditionally been excluded from the history books. Students will examine the relationship among self, text and place, engage in field study at local sites, and take a turn crafting their own community histories. This learning community emphasizes writing as a process, from planning and drafting through revising and editing. To be eligible to take College Writing II, you must pass the College Writing Exam and earn a grade of C or better in College Writing I. Prerequisites: Grade of C or better in Writing Skills I (ENG090) or exemption from writing requirement by placement. Students must co-enroll in the following courses:
ENG111-10C LEC TTh 10:00 a.m.-11:15 a.m. H48 R Whitman Class meets at the new H building
ENG095-10C LEC TTh 10:30 a.m.-9:45 a.m. H48 R Whitman Class meets at the new H building

Accelerated English Cluster: Stories for Success: Writing Through Memoir 6 credits
This six-credit learning community integrates ENG095 and ENG111 enabling students to complete both courses in one semester. Through reading and analyzing memoirs, you will learn a variety of rhetorical methods for writing creative non-fiction and the product, pricing, and distribution decisions employed to create consumer satisfaction. Prerequisites: Grade of C or better in Fundamentals of Algebra (MAT 094) or placement, Grade of C or better in Academic Reading III (ESL098) and Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement.

110 American Culture 3 credits
This interdisciplinary course focuses on the historical evolution of American beliefs and values and is designed for students from other cultures. Students study the way these values and beliefs have shaped contemporary society such as education, business, the government, and the family. The course examines extensive cross-cultural comparisons with the students' native cultures. Materials include film, music, and short works of literature. The course meets General Education “Humanities” Requirement Area 6. Prerequisite: Academic Reading III (ESL098) or Reading Skills II (RDG095) or exemption from reading requirement by placement testing.

111 Practicum in Human Services I 3 credits
This course is an introductory course on case management that uses the framework of the strengths-based model in working with different populations. Through an integration of classroom lecture and discussion with experiential learning activities, key issues will be explored and examined in depth. Prerequisite: Counseling (PSY215).
1 LEc T 10:00 a.m.-11:15 a.m. G138 J Botheony
1 LEc T 10:00 a.m.-11:15 a.m. B110 J Botheony
2 LEc F 11:30 a.m.-2:15 p.m. G227 TBA
3 LEc M 3:35 p.m.-5:10 p.m. B135A Ufahembo
4 LEc T 3:35 p.m.-5:10 p.m. B131 TBA
5 LEc M 9:30 a.m.-11:15 a.m. B121 TBA
H1 LEc TH 6:30 p.m.-9:15 p.m. B222 D Clifford
W6 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. D Deeb, II

INTERDISCIPLINARY STUDIES

INT-101 Introduction to Yoga Studies 3 credits
This course explores yoga, a diverse form of artistic human expression through an interdisciplinary perspective from its origins to current therapeutic applications for the mind, body, and spirit. Students will also incorporate the cultural beliefs and healing traditions. Through writing assignments students will reflect critically on their own practice and on topics introduced in the readings/discussions. The course will incorporate a yoga practice that will allow students to integrate course concepts with their yoga practice “on and off the mat” as students will apply yoga principles to their lives through self-reflection, community engagement and service. This course is geared to students with no prior yoga experience. Students need to learn using clothing that allows for freedom of movement as there will be a physical practice in each class meeting. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement.

ENG095-36C LEC TTh 10:00 a.m.-11:15 a.m. H48 R Carberry
ENG111-30C LEC TTh 11:30 a.m.-12:45 p.m. B125 L Carberry

Accelerated English Cluster: Making Dreams Real 6 credits
This six-credit learning community integrates ENG095 and ENG111 enabling students to complete both courses in one semester. Making Dreams Real is a writing-intensive, community-oriented class in which students collaborate with each other and the instructor to make their dreams come true. This class is the ultimate “pay-it-forward” in which each individual’s ability to help transform the lives of others bears a direct relationship on the community as transformed as a whole. Invest in yourself by investing in your peers — and write about it every step of the way. To be eligible to take College Writing II, you must pass the College Writing Exam and earn a grade of C or better in College Writing I. Prerequisites: Grade of C or better in Writing Skills I (ENG090) and Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement.

ENG095-12C LEC M W 10:00 a.m.-11:15 a.m. H48 T Nefer Class meets at the new H building
ENG111-28C LEC M W 11:30 a.m.-12:45 p.m. H48 T Nefer Class meets at the new H building

Business by the Numbers 6 credits
This six-credit learning community integrates an examination of the basic principles of marketing with the study of statistical concepts and methods. Students apply statistical concepts and methods to their study of the behavior of the consumer market and the product, pricing, promotion, and distribution decisions employed to create consumer satisfaction. Prerequisites: Grade of C or better in Fundamentals of Algebra (MAT 094) or placement, Grade of C or better in Academic Reading III (ESL098) and Academic Reading III (ESL098) or Reading Skills II (RDG095) and Writing Skills I (ENG 090) or exemption from reading or writing requirements

BUS101-10C SEM M 1:00 p.m.-2:20 p.m. D101 G40 R DeCurtis
BUS101-15C SEM W 1:00 p.m.-2:20 p.m. D101 G40 R DeCurtis
GT110-15B SEM M W 1:30 p.m.-2:45 p.m. D116 J Hernandez

Dig Where you Stand: Urban Community Histories 6 credits
This six-credit learning community integrates ENG095 and ENG111 enabling students to complete both courses in one semester. Drawing from written and oral histories as well as music and the visual arts, students will analyze a variety of urban communities, with particular emphasis on exploring voices that have traditionally been excluded from the history books. Students will examine the relationship among self, text and place, engage in field study at local sites, and take a turn crafting their own community histories. This learning community emphasizes writing as a process, from planning and drafting through revising and editing. To be eligible to take College Writing II, you must pass the College Writing Exam and earn a grade of C or better in College Writing I. Prerequisites: Grade of C or better in Writing Skills I (ENG090) and Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement.

ENG095-37C LEC M W 11:30 a.m.-12:45 p.m. TBA Class meets at the new H building
ENG111-58C LEC TTh 11:30 a.m.-12:45 p.m. TBA Class meets at the new H building

101 Introduction to Yoga Studies 3 credits
This course explores yoga, a diverse form of artistic human expression through an interdisciplinary perspective from its origins to current therapeutic applications for the mind, body, and spirit. Students will also incorporate the cultural beliefs and healing traditions. Through writing assignments students will reflect critically on their own practice and on topics introduced in the readings/discussions. The course will incorporate a yoga practice that will allow students to integrate course concepts with their yoga practice “on and off the mat” as students will apply yoga principles to their lives through self-reflection,
by placement. Students must co-enroll in the following courses: 
MAN105-02C SEC M W 10:00 a.m.-11:15 a.m. B337 T Fontes
MAT181-12C LEC T H 7:30 p.m.-3:45 p.m. B223 C Watson

Computer Learning Community 9 credits
This learning community for students placing into ENG095 and RDG095 provides a survey of the use and applications of modern computer systems. Students learn fundamental computer concepts, terminology, applications and theory as they develop the language skills necessary to communicate effectively and succeed in college level coursework. Students get hands-on experience with computer use and working knowledge of MS WINDOWS, MS OFFICE, and INTERNET use and applications. Prerequisites: Grade of C or better in ENG90 and RDG90 or placement. Students must co-enroll in the following courses: 
CIT110-13C LEC T H 10:00 a.m.-11:15 a.m. D128 P Velutino
ENG095-17C LEC T H 11:30 a.m.-12:45 p.m. D17 K Finnigan
RDG095-11C LEC W M 11:30 a.m.-12:45 p.m. B113 K Finnigan

Heart, Mind, Body & Soul 7 credits
Our bodies are comprised of organ systems that work together in order to achieve the grade of C or better in exercise plans, and mental health play a major role in keeping these systems working cohesively. Through reading, writing essays, and laboratory work, students in this course will explore the physiology of the heart, mind and body affect the well-being of our souls. Prerequisites: Grade of C or better in ENG095 and RDG095 or ESL098 or placement. Students must co-enroll in the following courses: 
ENG111-25C LEC W M 11:30 a.m.-12:45 p.m. G138 E Maurice
BI108-01C LEC M 10:00 a.m.-11:15 a.m. D302 S Gilman
LAB W 10:00 a.m.-12:45 p.m. D302 S Gilman

Hot Topics and Big Stories: What's in the News 6 credits
Explore the hot topics and big stories in the media that capture society’s attention and impact how people live. This learning community for students placing into ENG095 and RDG095 allows students to develop academic reading and writing skills while analyzing print and broadcast media. Activities include the use of newspapers and newsmagazines to analyze the formats used for writing news, features, and editorials. Students must meet reading exit requirements or pass a department reading final in order to earn a passing grade of C in RDG095. Students must pass the basic Writing Competency Exam in order to receive a passing grade for ENG095. Students must co-enroll in the following courses to satisfy the College Writing requirement for graduation.
RDG095-07C LEC F B 3:30 p.m.-11:15 a.m. B109 R Gormley
ENG095-34C LEC F 11:30 a.m.-3:25 p.m. B113 R Gormley

Language and the Mind 6 credits
This learning community for students placing into ENG095 and RDG095 integrates the fundamental principles of psychology as they develop the language skills needed to communicate effectively in college study. Students explore the human brain and behavior, research methods, learning, consciousness, motivation, emotion, human growth and development, personality, abnormal behavior and psychotherapy, and social cognition in a community that fosters critical thinking and analysis. Students must co-enroll in the following courses: 
ENG095-20C LEC M W 1:00 p.m.-2:15 p.m. B127 F Brown
PSY101-17C LEC M W 2:30 p.m.-3:45 p.m. B127 L Schwier

The Language of Art 6 credits
Using personal perception of the human creative endeavor, students will analyze and write unified, coherent, and well-developed essays on art and architecture from the Paleolithic period through the Modern era. Writing assignments will be based on presenta-tions, group projects, and museum visits. The course meets General Education “College Writing” Requirement Area 1. Prerequisites: Grade of C or better in Academic Reading II (ENG090) and Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement. Students must co-enroll in the following courses: 
VMA112-01C LEC T H 7:30 a.m.-9:45 a.m. H417 D Malley
ENG111-21C LEC T H 11:00 a.m.-12:15 p.m. H417 J Fiske
ENG111-26C LEC T H 12:30 p.m.-2:45 p.m. H417 J Fiske

People, Products, Services, and Brands: Successful Marketing and Marketing 6 credits
This six-credit learning community integrates an examination of the principles of marketing with the theories and principles of management. Students learn how the notions of consumer behavior and consumer satisfaction in today's competitive environment are the driving role of the marketing process in every aspect of managing an organization from planning and system design, to organizational strategy.
MAN111-01C LEC M W 8:30 a.m.-9:45 a.m. B131 H Jean-Gilles
MAN105-03C LEC M W 10:00 a.m.-11:15 a.m. B128 H Jean-Gilles

Math and the Mind 6 credits
This learning community for students placing into MAT097 integrates theory and practice in psychology with the concepts and applications of fundamentals of algebra. Students examine the question of what is considered “normal” in various aspects of their lives and balance this concept with mathematical and psychological methods to achieve academic and career success. Prerequisite: Grade of C or better in Foundations of Math (MAT097) or Academic Reading II (ESL098) or Reading Skills II (RDG095) or placement. Students must co-enroll in the following courses: 
PSY101-18C LEC T H 7:30 a.m.-8:45 a.m. B110 L Sarpal
MATH097-07C LEC T H 7:30 a.m.-5:10 p.m. D211 T Fabe

Mind your own business 6 credits
Business uses psychology to do everything from predicting consumer behavior to managing employees and designing spaces. This learning community examines the role and responsibility of business in society through the lens of psychology. Learn more about who you are and how you fit into the business world while learning the concepts and theories of psychology and business. Prerequisites: Grade of C or better in Academic Reading III (ESL098) and Academic Writing III (ESL099) or Reading Skills II (RDG095) and Writing Skills I (ENG090) or exemption from reading or writing requirements by placement. Students must co-enroll in the following courses: 
PSY101-27C LEC M W 8:30 a.m.-9:45 a.m. B337 K Kellogg
BUS101-06C LEC M W 10:00 a.m.-11:15 a.m. B337 T Fontes

Motivations and Movements: Exploring Careers in Behavioral & Social Science 6 credits
This six-credit learning community for first-year students integrates a survey of information and theory in psychology with field study in the behavioral science field. Students have the opportunity to study the specific principles of the principles encountered in semester-long internships with different groups, including historical material, personal narratives, and other actions. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement. Open to students interested in Academic Reading III (ESL098) or Academic Reading III (ESL099) or Reading Skills II (RDG095) or Writing Skills (ENG090) or exemption from reading or writing requirements by placement testing. Students must co-enroll in the following courses: 
LCS101DD-01C SEM M W 2:30 p.m.-3:45 p.m. B217 K Kellogg
PSY101-14C LEC M W 1:00 p.m.-2:15 p.m. B127 K Kellogg

Psychology of Success 6 credits
This learning community for first-year students examines the meaning of success and how to practically apply the principles of psychology to achieving success. From study skills and time management to exploring careers that suit your personality and emotional style, learn how to use psychological theory to set goals and stay motivated to achieve them. Prerequisites: Grade of C or better in Academic Reading (ESL098) and Academic Reading III (ESL099) or Reading Skills II (RDG095) and Writing Skills (ENG090) or exemption from reading or writing requirements by placement testing. Students must co-enroll in the following courses: 
ENG111-57C LEC M T H 11:00 a.m.-12:15 p.m. T135A T Matushara

Reading and Writing Learning Community: Building a Strong Foundation 6 credits
This learning community for students placing into ENG095 and RDG095 integrates the principles of reading and writing. Students develop the reading skills necessary for success with college level material as they begin to develop the writing skills needed to work in the College Writing program. This learning community does not satisfy any part of the College Writing requirement for graduation. Placement is determined by assessment testing or faculty referral. Upon completion of Writing Skills I (ENG090) with a grade of C or better, students must enroll in Writing Skills II (ENG095). Students must meet reading exit requirements or pass a department reading final in order to earn a passing grade of C in RDG090. Students must co-enroll in the following courses:
ENG090-09SP LEC T H 11:30 a.m.-12:45 p.m. B222 D Fuller
RDG090-09P LEC M W 11:30 a.m.-12:45 p.m. B222 D Fuller

Reading and Writing Learning Community: Crossing Borders 6 credits
This learning community for students placing into ENG095 and RDG095 provides a rich opportunity for students to develop additional reading and writing skills while learning about immigration in the United States. Students read about key aspects of immigration, including historical material, personal narratives, and fiction, as well as use the internet and view films. Students write about how immigration relates to their own lives or to their families. Students must meet reading exit requirements or pass a department reading
final in order to earn a passing grade of C in RDG095. Students must pass the basic Writing Competency Exam in order to receive a passing grade for ENG095. This course does not satisfy the College Writing requirement for graduation. Students must co-enroll in the following courses: RDG095-04C LEC M/W 8:30 a.m.-9:45 a.m. B221 J Stark ENG095-11C LEC M/W 10:00 a.m.-11:15 a.m. B221 J Stark

Rites, Rituals, & Reasons: Western Psychology Meets African Studies 6 credits This learning community for students placing into ENG111 considers the role of rites and rituals in African societies. The powerful academic disciplines—psychology and English—are integrated to explore the many rites and rituals of Africa that have been written about for centuries but cannot be fully understood through the traditional Western aesthetic. Students develop their writing abilities in an atmosphere that emphasizes cross-cultural awareness and the creation of “Community” as it is known in the “African” village context. Prerequisites: Grade of C or better in Writing Skills II (ENG095) and Reading Skills II (RDG095) or Academic Reading III (ESL098) or placement. Students must co-enroll in the following courses: PSY101-16C LEC M/W 1:30 p.m.-2:15 p.m. B222 C Johnson ENG111-39C LEC M/W 2:30 p.m.-3:45 p.m. B222 J Santos Silva

Sociology of Gaming 6 credits This learning community integrates Game Development Essentials and Introduction to Sociology to explore how key concepts in sociology apply to popular video games. Students will explore the history and development of gaming and its continuing growth globally and in the United States. Prerequisites: Grade of C or better in Writing Skills II (ENG095) and Reading Skills II (RDG095) or Academic Reading III (ESL098) or placement. Students must co-enroll in the following courses: ENG111-40C LEC M/W 3:35 p.m.-5:10 p.m. TBA 1 Barry Barnett SOC101-02C LEC M/W 5:15 p.m.-6:30 p.m. TBA J Solomon

Sociology of Immigration Stories 6 credits This learning community for students placing into ENG112 teaches students to learn about race, class and gender as they develop the oral and written communication and research skills needed to succeed in College Writing II. Immigration and immigrant stories serve as the focus of this cluster and inform the reading and writing assignments. Through classroom activities, field study and writing assignments students explore issues related to visibility, identity, conflict, social and family dynamics, culture, assimilation, and self-expression. ENG112-30C LEC T/H 1:35 p.m.-5:10 p.m. B223 J Carrty Barnett SOC127-11C LEC T/H 1:15 p.m.-6:30 p.m. B135A J Solomon

You, Mine, & Ours: Peoples, Movements and a Globalized World 6 credits This learning community explores how the world we live in is to be as it is today. Students will consider reasons why groups of people trade with and migrate to different parts of the world and examine the similarities, differences and conflicts among the major world civilizations in the modern era. Topics will include governance, art, religion and philosophy, technology, family structure, and everyday life. The research process will be employed as students work with primary and secondary sources to support investigations. Prerequisite: Grade of C or better in College Writing I (ENG111). Students must co-enroll in the following courses: HST102-02C LEC T/H 7:30 a.m.-9:45 a.m. B337 K Mapstone ENG112-16C LEC T/H 11:30 a.m.-12:45 p.m. D217 J Colm

LEARNING COMMUNITY SEMINARS

Community Seminars explore academic topics of interest as they orient students to the College environment. First-year students pursuing associate degrees are required to take a Seminar in their first year. Students in Learning Community Seminars enjoy small class sizes, integrated support services, and hands-on activities such as field study and team projects.

LCS-101A Careers in Health Care 3 credits This course offers answers to the following questions: “What do the various health professions do?” What are the qualifications for health professions? What credentials are needed? This seminar will explore health professions such as nursing, medical imaging, occupational therapy, physical therapy, respiratory therapy, and pharmacy. Current information about these issues facing health care will be discussed, including patient interactions, end-of-life issues, health disparities and workforce shortages. Open to first year students interested in pursuing a career in health care.

01 SEM TH 10:00 a.m.-1:25 p.m. B227 R Fleagle
02 T Z 3:00 p.m.-5:10 p.m. G140 D Monahan
03 TH 8:30 a.m.-11:15 a.m. G228A D Misrati
04 W 11:30 a.m.-12:45 p.m. G228 Wagar/Hillson
05 W 1:00 p.m.-2:15 p.m. G113G N McArthur
06 M 8:00 a.m.-10:00 a.m. 121 J MacPherson
07 T Z 3:00 p.m.-5:10 p.m. B07 L Pelliccia Class meets at the Chelsea Campus

LCS-101B Vital Signs: Creating Successful Lives in Health Care & Life 3 credits This course introduces students interested in a career in allied health care to the challenges, responsibilities and choices encountered by health care professionals. It will help students to identify their personal goals and construct an action plan for achieving them. Open to first-year students who are interested in allied health care professions. All students must be taken with SOC101-09C.

01A SEM M/W 1:00 p.m.-2:15 p.m. 121 R Nyele Holaday Class meets at the Chelsea Campus
01B T H 10:00 a.m.-11:15 a.m. 206 E Schwab Class meets at the Chelsea Campus

LCS-101BB Education: It’s Your Civil Right 3 credits Why are so many chronically underperforming schools becoming dropout factories and failure mills? A good education is inextricably linked to our rights as American citizens. It has been at the forefront of the civil rights struggles in the United States and remains so today. A good education is the gateway to a better chance in the work force by one a better chance in contributing to the greater good of society. Through readings, multimedia sources, writing, and discussion, students will explore what an education means in their lives. Open to first-year students.

01 SEM T/R 9:30 a.m.-10:45 a.m. B207 M Mdlin

LCS-101D Motivations and Movements: Exploring Careers in Behavioral Science 3 credits This course examines what it means to be a psychologist and sociologist. Students will have the opportunity to stand on the spot where the Boston Massacre occurred, cheer on Boston sports teams, and explore what motivates individuals and groups of people to participate in these and other actions. Career options in the behavioral science field will be explored. Open to first-year students interested in the behavioral or social science fields.

01C SEM T/H 10:00 a.m.-1:25 p.m. B223 A Bautista 01C must be taken with PSY101-08C
02C SEM T/H 11:30 a.m.-12:45 p.m. B108 T Matubbar 02C must be taken with SOC101-09C

LCS-101D GPS: Your Guide to Purpose & Success 3 credits College is not just about learning a specific program of study but also about discovering what you want to do in life or who you want to become. One’s experiences inside and outside of the classroom can change or confirm one’s purpose, place and direction in life. Through readings, class discussions, multi-media sources, and writing, students will examine their educational plans, career plans, personal goals, and begin to define their purpose, place and direction in college and in life. Open to first-year students.

01C SEM M/W 2:30 p.m.-3:45 p.m. B217 E Kellogg 01C must be taken with PSY101-14C
02C SEM M 6:00 p.m.-8:45 p.m. B222 A Douling

LCS-101E Energy, Life, & Sustainability 3 credits Investigate the environmental and social consequences of energy production and consumption with emphasis on climate change impacts. This seminar will explore solutions to slow down global warming and investigate new sources of clean and reliable energy. Learn how we can all play a role in ensuring a more livable planet. Open to first-year students.

01 SEM T 10:30 a.m.-12:45 p.m. H102 K Reichert Class meets at the new H building
02 SEM F 10:00 a.m.-12:45 p.m. H102 K Reichert Class meets at the new H building

LCS-101F Who Are We? Exploring Cultural Traditions & Identity 3 credits This course considers the diverse cultural traditions that help to form our individual and collective identities. Through readings, writings, discussion and field study, students will gain self-awareness and explore the significance their primary culture plays in their relationships, perceptions and aspirations. The course encourages students to understand, appreciate, and honor historic rituals and family traditions which are common to all cultures. Open to first-year students.

01 SEM F 10:00 a.m.-12:45 p.m. B222 H Allen Jr.

LCS-101F History in the Making: How Current Events Shape Your World 3 credits This course will expose students to the local and global events that are shaping the world in which they live. Students will explore early to contemporary social issues and present their ideas during in-class discussions and debates. Open to first-year students.

WBB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. A Jeglinski

LCS-101G Voices from the Margins: Readings in Contemporary Gay & Lesbian Literature in America 3 credits The course will introduce students to a variety of gay and lesbian authors and will analyze them in order to assess their political, social and economic effects. From domestic politics to international affairs, from development to war, this course will explore the greater history behind each story. Events from all regions of the world will be analyzed, with an emphasis on the roots of each issue, conflict and resolution. Students will be required to conduct research, write editorials and present their ideas during in-class discussions and debates. Open to first-year students.

WEB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. A Jeglinski

LCS-101G Voices from the Margins: Readings in Contemporary Gay & Lesbian Literature in America 3 credits The course will introduce students to a variety of gay and lesbian authors and will analyze them in order to assess their political, social and economic effects. From domestic politics to international affairs, from development to war, this course will explore the greater history behind each story. Events from all regions of the world will be analyzed, with an emphasis on the roots of each issue, conflict and resolution. Students will be required to conduct research, write editorials and present their ideas during in-class discussions and debates. Open to first-year students.

WEB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. A Jeglinski
LCS-101G   Exploring Issues of Women of Color  3 credits
This seminar will consider the cultural heritage, history, and needs of women of color in America. Students will examine society’s perceptions of women of color, self-perceptions, and the issues that contribute to these perceptions. The course will encourage students to make decisions that lead to academic, personal, and career success. This seminar is designed for women interested in exploring issues of women of color and is open to first-year students.

01 SEM  T,TH 10:00 a.m.-11:15 a.m.  B222  J Speirs-Taylor

LCS-101H   Connecting to your Inner Orange Line- Next Stop: Community College  3 credits
Using Boston subway’s “Orange Line” as a metaphor for life, this course explores the many critical issues faced by urban males. Drawing on the traditions of the Yoruba of Africa, the Buddhist of Asia, the Natives of America, and the Judeo-Christian foundations of American religious thought, students will engage in a variety of activities designed to create community and foster personal transformation. Open to first-year students. This course is designed for urban males.

01 SEM  T,TH 10:00 a.m.-11:15 a.m.  B217  L Johnson
02 SEM  T,TH 11:30 a.m.-12:45 p.m.  B217  L Johnson

LCS-101HH Food for Thought: the Politics and Culture of Food  3 credits
This course will consider the diverse universe of food, eating, and culture. Through readings, writing, discussion, and field study students will gain insight into the history of food and culture in the U.S., learn about other cultures, and explore issues of food sustainability in the 21st century.

01 SEM  F 1:00 p.m.-3:45 p.m.  B222  R Whitman

LCS-101J   Parents as First Teachers  3 credits
Students in this seminar will explore methods of incorporating literacy into children’s lives. Topics will include reading with children and best practices for developing a print-rich environment at home. This course is appropriate for parents and prospective parents, child-care providers, elementary education majors, early childhood majors, nursing or medical field majors, social work majors, and anyone interested in modeling good reading habits for children. Open to first-year students.

01 SEM  T,TH 10:00 a.m.-11:15 a.m.  B221  D Fuller
02 SEM  T,TH 11:30 a.m.-12:45 p.m.  B221  D O'Malley

LCS-101K   Service & Society  3 credits
This course offers students the opportunity to expand learning beyond the classroom while serving the community. By building on community engagement service experiences, students will explore assumptions, values and ethics with the ethical framework of civic responsibility. The role of government will be analyzed through topical readings, research, and writing. Students should expect to commit 25 hours of volunteer service over the course of the semester to meet the requirements of this class. Open to first-year students interested in doing community service.

T1 SEM  T 6:00 p.m.- 8:45 p.m.  TBA  M Callaghan
Class meets at the new H building

LCS-101KK Red, White, Blue and Islam  3 credits
Given that Islam is the largest religion in the world and one in every five individuals identifies themselves as Muslim today, our understanding of Islam is crucial. In this seminar, students will examine various aspects of Islam: Islamic religious beliefs, diversity in Islamic culture, the status of women in Islam, and the concept of Jihad. A brief historical overview of the relationship between Islam and the west will provide the context for study. Class activities will include visiting a local Mosque and exploring Muslim culture though tasting traditional foods, exploring clothing, listening to music, and examining art. Open to first-year students.

01 SEM  M,W 11:30 a.m.-12:45 p.m.  B221  C Shah

LCS-101L   Haunting Lessons: Exploring Cultural Beliefs about the Supernatural  3 credits
From classics such as Dracula, Frankenstein, and A Christmas Carol to the modern sensations of Harry Potter, our society continues to be captivated by the supernatural. Through readings, writing, discussion, field study, and a group project, students will examine cultural beliefs in the supernatural and analyze these beliefs as a metaphor for many of the desires and fears in our lives - power, eternal life, and the duality of human nature and unbridled science. Open to first-year students.

01 SEM  M,W 10:00 a.m.-11:15 a.m.  B110  M Dubson

LCS-101MM   Financial Literacy for All  3 credits
This course provides students with the skills and knowledge necessary to make effective financial decisions. Students explore the basics of financial literacy, from balancing a checkbook to investing in a 401k. They engage in activities that help them set financial goals while learning to manage their money. Students will discuss the impact of race, family, and social class on their financial decisions. Open to first-year students.

01 SEM  M,W 11:30 a.m.-12:45 p.m.  B222  S Benjamin

LCS-101NN   Healthy Neighborhoods  3 credits
The social, physical, and political environments, in which we live and work can actually get under our skin, just as the germs and viruses that make us sick. This course highlights the major health challenges of Boston residents, and discusses the intersection of wellness, race, ethnicity, socioeconomic status, gender and age. Through readings, discussions, films, and writing, students examine issues of urban health and develop strategies for their own personal wellness. Open to first-year students.

01 SEM  T,TH 11:30 a.m.-12:45 p.m.  B222  W Nouhrif

LCS-101OO Exploring Gender Identity & Self Image  3 credits
This course considers gender identity and self-image from a number of personal and critical perspectives. Students will explore analyses of traditional and modern ways of viewing men and women, and the role of popular culture in the construction of gender identities. Open to first-year students.

W1 SEM  W 6:00 p.m.- 8:45 p.m.  B221  R Vaille

L1C-101PP Getting Fit Together  3 credits
What are the challenges and rewards to living a healthy lifestyle? In this course, students will stay abreast of health issues and set personal health and wellness goals. A broad range of issues will be explored, including nutrition, physical fitness, stress management, and emotional well-being. Students will learn about the importance of knowledge, attitude and awareness related to health and wellness. Each week one hour of class will be spent in the College’s Fitness Center.

01 SEM  M 7:30 p.m.- 5:10 p.m.  B239  K Frashure
02 SEM  T,TH 8:30 a.m.-9:45 a.m.  H120  M Minton
Class meets at the new H building

LCS-101Q   The Balancing Act: Juggling Work, School & Life  3 credits
This course provides a supportive environment for students facing the challenges of work, school and life responsibilities. Students will practice the skills needed to overcome barriers to learning and achieve personal, college, and career goals. Open to first-year students who face significant responsibilities outside of school.

01 SEM  M,W 10:00 a.m.-11:15 a.m.  E140  R Love
02 SEM  T,TH 2:30 p.m.- 3:45 p.m.  G140  D Putnam
03 SEM  W 6:00 p.m.- 8:45 p.m.  B223  K Spicer

LCS-101QQ Living in the Light: Spirituality in the 21st Century  3 credits
This course considers “spirituality” through literature, lectures, and classroom activities. Students will explore texts and stories from Buddhism, Sufism, Christianity, Native, African, and other traditions to explore the connection between the mind, body and spirit. Students will also be introduced to the challenge of living between various traditions of meditation and current research on the brain. The power of intuition, attraction, universal consciousness, and true awareness will be examined as pathways to understanding and defining reality. Open to first-year students.

01B SEM  M 11:00 a.m.-12:15 p.m.  B252  A LaFedra
02 SEM  T,TH 2:30 p.m.- 3:45 p.m.  M 124  K Abukhidejeh
03 SEM  W 6:00 p.m.- 8:45 p.m.  B129A  A Miron

LCS-101RB   Exploring Issues of Asians in the U.S.  3 credits
Asians are one of the fastest growing populations in the United States, yet there are few opportunities to discuss the Asian-American experience. In this course, students explore the social, historical and structural contexts defining the experiences of Asian Americans, with a particular focus on local communities in Boston and Massachusetts. Topics such as immigration, labor, community development, politics, gender and family

T1 SEM  T 6:00 p.m.-8:45 p.m.  B217  L Schroyer.

LCS-10100 Sustainable Ocean Habits  3 credits
This course explores habitats in the world’s oceans such as coral reefs, salt marshes, estuaries, the open ocean, and the deep sea. Students discuss the vital connection that people have with the goods and services that ocean habitats provide. The course investigates the impacts of human activity, including: aquaculture, climate change, invasive species, mineral extraction, overfishing, and pollution. Sustainability concepts and management strategies that better conserve and protect ocean resources are considered. Students have the opportunity to participate in a field trip to the New England Aquarium. Open to first-year students.

01 SEM  T 6:30 p.m.- 8:45 p.m.  B227  M Finlay

LCS-1010R   Beyond East and West: Asians in the U.S.  3 credits
Asians are one of the fastest growing populations in the United States, yet there are few opportunities to discuss the Asian-American experience. In this course, students explore the social, historical and structural contexts defining the experiences of Asian Americans, with a particular focus on local communities in Boston and Massachusetts. Topics such as immigration, labor, community development, politics, gender and family
LCS-101S Politically Incorrect 3 credits
What does it mean to be politically correct or politically incorrect? Society has trained us to be politically correct, but we rarely examine what exactly this means and how it affects us. This class is designed to create a safe environment where students can explore the social dynamics around race, gender, religion, and sexual orientation, and the policies and movements that have influenced these social constructions. Through readings, writing assignments, collaborative projects, and field studies, students will learn what it means to be politically correct. Open to first-year students.
01 SEM T TH 11:30 a.m.-12:45 p.m. TBA L Cooper-Sapy

LCS-101T Life & Light: The Intersection of Optical Technology 3 credits
In this course, students explore concepts and principles of the study of light, biology, and the applications of light, photonics. Enrolled students learn about this emerging field of study and full-time work to study and understand the inner workings of cells and tissues in living organisms. Students in this class examine the fundamental principles of biology and photonics through a combination of laboratory and classroom exercises, and apply these ideas to real-world devices that are used to answer or ask questions that address pharmaceutical, biomedical and biological issues. Open to first-year students interested in the sciences.
01 SEM W 10:00 a.m.-12:30 p.m. TBA Picklitz/Sharbatzey

LCS-101U America Speaks 3 credits
Students in this course will be introduced to the history and culture of oral communication in America. Through a wide variety of sources, including Puritan sermons, presidential addresses, protest speeches, music, television, and form in the digital age, students will be introduced to the diverse rhetorical strategies and dialects at work in historical and contemporary American speech and song. In the process, students will learn about their own oral culture and refine their own communication skills. Open to first-year students.
01 SEM T TH 2:30 p.m.-3:45 p.m. B125 M Poole

In this course, students consider what it means to have an effective marketing campaign in the era of Google, Facebook, and Twitter. The digital marketing revolution has changed the business strategies and goals of companies across the phase of the buying process. Through the examination of case studies, students identify challenges faced by companies and explore ways in which businesses have adapted traditional approaches to marketing to reach the 21st century consumer. Open to first-year students.
01 SEM F 1:00 p.m.-3:45 p.m. B113 S Muller

LCS-101X Military: Before, During, & After 3 credits
The course will offer strategies to help the military student succeed in college, work, family and other social settings, with emphasis on academic and interpersonal skills and techniques for managing readjustment and transition. Military students will have the chance to work and learn with other military students who have had similar life experiences. Through readings, writing, discussion, and writing, students will explore how military experiences change us. Texts will include Homer's The Odyssey, Jonathan Shay’s War and the Way Out,和 Tim O'Brien's The Things They Carried. The course is designed to support military members in making a positive transition from military to civilian life.
01 SEM W 2:30 p.m.-5:10 p.m. B221 J Green/Egan

LCS-101XX Telling Our Stories 3 credits
Students in this class learn about the significant role stories and storytelling play in society. From bedtime stories to the ways they are inherited from one generation to another, stories are imbedded in the fabric of people’s lives. This class explores the art of storytelling through writing exercises, reading assignments, classroom discussions, and museum visits. Throughout the course, students examine short stories and creative nonfiction by master storytellers Baldwin, Bambara, Butler, Lamott, O'Brien, O'Connor and Walker in this seminar and craft original short stories and creative essays. Open to first-year students.
01 SEM T TH 10:00 a.m.-11:15 a.m. TBA E Maurice
WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. C Duda

LCS-101Y Ain't I a Woman Unpacked and Re-packaged 3 credits
What does it mean to be a good, strong, loving and successful woman? Women's rights activists Sojourner Truth and bell hooks have each articulated, for their time, a vision of what means. Students in this course will engage in this vision of what it means to be a woman today. Themes of the course include the examination of the history and psychosocial forces that shape identity, including biology, family, relationships and social networks. Students will read, write, reflect, discuss, create, collaborate and act as a female to first-year students.
01 SEM T TH 11:30 a.m.-12:45 p.m. B224 L Benson

LCS-101YY Living Online: Media Literacy in the 21st Century 3 credits
From television to film to social media and video games, mass media influences how and what people think, feel and believe. In this course, students examine why the media influences society so strongly by breaking down the images and messages sent and received every day through the mass media. Topics include gender and advertising, masculinity and hip hop, bullying and social media, violence, ethics, values and stereotyping. Students enrolled in this class will become more media literate by creating original media. Open to first-year students.
01 SEM T TH 10:00 a.m.-11:15 a.m. H155 L Smith
Class meets at the new library building

LCS-101ZZ Latinas: A Culture of Empowerment 3 credits
What do Supreme Court Justice Sonia Sotomayor, writer Isabel Allende, Boston businesswoman Iyanla Vanzant, and celebrity chef Evette Rios have in common? They are all successful in their fields and in their communities. Students in this class will explore the experiences of Latinas in the United States. Students learn how to utilize lessons from these stories to better understand their own identity, academic goals and career aspirations. Open to first-year students and designed for Latina students.
01 SEM M W 11:30 a.m.-12:45 p.m. TBA Alexander-Fitch

LCS-101AB Life in Rhymes: Voicing Your Future 3 credits
This course inspires students to tap into their creative skills, build strength and confidence in their writing, and go forth into higher education with a more clear perspective. This course is designed for women.
01 SEM M W 10:00 a.m.-11:15 a.m. TBA B127 D Grayr
02 SEM M W 10:00 a.m.-11:15 a.m. TBA B127 D Grayr
03 SEM M W 10:00 a.m.-11:15 a.m. TBA B108 J Robertson
04 SEM M W 10:00 a.m.-11:15 a.m. TBA B337 F Fontes
05 SEM M W 10:00 a.m.-11:15 a.m. TBA B337 F Fontes
06 SEM T TH 10:00 a.m.-11:15 a.m. TBA B134 L Robertson
07 SEM M W 10:00 a.m.-11:15 a.m. TBA B108 D Grayr
08 SEM T TH 10:00 a.m.-11:15 a.m. TBA B108 D Grayr
09 SEM T TH 10:00 a.m.-11:15 a.m. TBA B108 J Gilles
10C SEM M T 12:00 p.m.-2:15 p.m. TBA B140 TBA
11C SEM M T 12:00 p.m.-2:15 p.m. TBA B140 TBA
12C SEM M T 12:00 p.m.-2:15 p.m. TBA B140 TBA
13C SEM M T 12:00 p.m.-2:15 p.m. TBA B140 TBA

BUS-101 Introduction to Business 3 credits
This course is a survey of the purpose, role, and responsibilities of business in a capitalist society, including an introduction to the major areas of business such as: Finance, Management, Economics, and Marketing. This course provides a basic foundation for the student who will specialize in some aspect of business in college, and it also provides the opportunity for non-business majors to learn about the business in which they will someday be both producers and consumers. This course will also enable students to explore career options in business, define a career path, and make connections between classroom learning and the larger business community. This course will fulfill the Learning Community Seminar requirement for first-time, full-time students, to assist the student in making a successful transition from our unique urban community into an academic environment. The course will aid students in learning insights, skills, and attitudes necessary to develop academic success strategies for personal and career goals achievement.
Prerequisites: Grade of C or better in Academic Reading 1 (ESL098) and Academic Writing 1 (ESL099) or Reading Skills II (RDG095) and Writing Skills II (ENG95) or exemption by placement testing.
01 SEM T TH 7:00 a.m.-8:15 a.m. B127 D Grayr
02 SEM M W 7:00 a.m.-8:15 a.m. B127 D Grayr
03 SEM F 8:30 a.m.-10:15 a.m. B108 J Gilles
04 SEM M W 10:00 a.m.-11:15 a.m. TBA B337 F Fontes
05C SEM M W 10:00 a.m.-11:15 a.m. TBA B337 F Fontes
06 SEM T TH 10:00 a.m.-11:15 a.m. TBA B134 L Robertson
07 SEM M W 1:00 p.m.-2:15 p.m. B108 D Grayr
08 SEM T TH 10:00 a.m.-11:15 a.m. TBA B108 D Grayr
09 SEM M W 6:00 p.m.-8:45 p.m. B108 J Gilles
10C SEM M W 6:00 p.m.-8:45 p.m. B108 J Gilles
11C SEM M W 6:00 p.m.-8:45 p.m. B108 J Gilles
12C SEM M W 6:00 p.m.-8:45 p.m. B108 J Gilles

BUS-101AC Happiness 101 3 credits
What makes people happy? This course examines the perennial question of happiness in the 21st century. Students in this class explore the concept of happiness from a philosophical, psychological, and sociological perspective. Through reading assignments, classroom activities, and participation in a learning project, students develop a greater awareness and appreciation for their talents and skills and explore ways to connect happiness with their academic pursuits, career goals and personal life. Open to first-year students.
70 SEM T TH 2:30 p.m.-3:45 p.m. 207 J Plantidotes Class meets at the Chelsea Campus

BUS-101B Globalization 3 credits
This course is an exploration of the nature, reasons for and consequences of globalization. Subjects such as global economic integration, cultural convergence, migrations, multinational corporations and global business will be discussed. Students will acquire an understanding of globalization’s key aspects and trends in history, geography, politics, culture, and...
technology, as well as its impact on labor, standards of living and the environment. This course will also enable students to explore career options in international business, as well as develop a global perspective between classroom learning and the larger business community. This course will fulfill the learning community seminar requirement for first-time, full-time students. Designed for first-time, full-time Computer Technology students, this course will fulfill the Learning Community Seminar requirement for the Computer Information Technology Department. First-year, first-time computer science students for this course should register for Computer Applications/Concepts (CIT110). This course is not for Computer Science Transfer, Gaming or Web majors. Prerequisites: Grade of C or better in Reading Skills I (RDG090) and Writing Skills I (ENG090) or placement. 01 SEM TTH 10:00 a.m.-11:15 a.m. D121 J Heureux 02 SEM M/W 11:30 a.m.-12:45 p.m. D121 J Heureux WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. J Heureux

CIT-120 Introduction to Computer Science & Object Oriented Programming 4 credits This is a survey of Object-Oriented Programming (OOP) theory, logic and design. Taught in the College’s “hands-on” computer classrooms, this course emphasizes the program design and development process including concepts of variables and flow control, objects, classes, methods, and polymorphism. Students will use an Object Oriented Programming language as they design code, debug and implement several programs covering the topics presented. Students taking this course are expected to have solid knowledge of basic computer terminology, internet navigation and email, operating system and file management skills. Strong analytical skills and good communication skills are required. 01 SEM TTH 10:00 a.m.-12:15 p.m. D116 H Delta 02 SEM TTH 2:30 p.m.-4:35 p.m. D116 H Delta 01 S SEM 8:30 a.m.-1:30 p.m. D101 Min Ahmad 02 S SEM 10:00 a.m.-1:15 p.m. D101 S Giromini

CMR-101 Game Development Essentials 3 credits This course will present the principles, concepts, and components of all games and the gaming industry’s processes, methodologies, and principles associated with the design, development, and distribution of computer-based game design and simulation. This course is designed to provide the student with an overall comprehension of all the precepts and building blocks that are essential to every computer-based game and simulation. Course requirements for this course are “hands on” lab work, well as being a learning community seminar for their academic environment. The course will aid students in learning insights, skills, and attitudes necessary to develop academic success strategies for personal and academic success in the next century. Topics will include the various agencies, a review of the court process, the criminal justice system. The course will offer students the ability to use the state of the art technology and software to gain a better understanding of knowledge learned to real-life situations. Ethical behavior issues will be raised and students will develop strategies to set boundaries, understand differences among people, develop professional codes of conduct and behavior, and develop a professional moral code of conduct. The course fulfills the Learning Community Seminar requirement for students in AS Criminal Justice. Prerequisites: Writing Skills II (ENG095), Academic Reading III (ESL098) or Reading Skills II (RDG095) or placement. 01 SEM M/W 8:30 a.m.-9:45 a.m. TBA 02 SEM TTH 10:30 a.m.-11:45 a.m. TBA 03 SEM M/W 1:00 p.m.-2:15 p.m. H155 A Centanti 04 SEM TTH 3:00 p.m.-5:15 p.m. TBA 05 SEM TTH 8:00 p.m.-9:15 p.m. P24 TBA 06 SEM M/W 1:00 p.m.-2:15 p.m. B223 TBA 07 SEM M/W 8:00 a.m.-9:15 a.m. B223 TBA 08 SEM M/W 1:00 p.m.-2:15 p.m. B223 TBA 09 SEM TTH 10:30 a.m.-11:45 a.m. TBA 10 SEM M/W 8:00 a.m.-9:15 a.m. TBA 11 SEM M/W 10:30 a.m.-11:45 a.m. Gearon

CUL-101 If You Can’t Stand The Heat 3 credits This course introduces students to the challenges and rewarding career opportunities in the videogame industry. It provides students with an in-depth knowledge of the options available within the culinary arts industry. The course prepares students with skills necessary to pursue careers in culinary arts and become familiar with all of the resources that the college has to offer. Topics covered will include: preparing for a career in the food service field, resume preparation, career options and specific skills necessary to create a successful career, and discovering the best use of resources available to students at BHCC. Prerequisites: Writing Skills II (ENG095), Fundamentals of Math (MAT093), and Reading Skills II (RDG095). For Culinary Arts students only. 01 SEM T 2:30 p.m.-5:10 p.m. E450 M Barton 02 SEM M 3:35 p.m.-8:45 p.m. E419 K Spicer

EDU-501 Becoming a Teacher- A Learning Community Seminar 3 credits This learning community seminar is designed for education majors who are interested in making a difference in today’s public schools. Inspired by the movie Waiting for Superman, this seminar looks at some of the pressing issues facing today’s public schools: overcrowding, lack of funding, outdated curriculum, classroom chaos, and shortage of good teachers (among many others). Sign up for this seminar and join students who are looking to prepare for their first teaching experience. (Requirement: Must be an Education major to enroll and should be in first two semesters of study at BHCC with 16 college credits or less completed.) 01 SEM W 2:30 p.m.-5:10 p.m. H149 A Reyes Class meets at the new H building 02 SEM T 6:30 p.m.-8:45 p.m. B126 TBA

FPS-111 Fire Service, This Century and the Next, What Should We Expect 3 credits This course provides students with an understanding of the history of the fire service and its culture. The student will research the ways that the fire service has changed over the past century and how it is expected to change in the future. Topics include fire history for the fire service, changes in the fire service past and future, the evolution of equipment in the fire service, firefighter deaths and statistics as they pertain to the National Fallen Firefighters Foundation and its 16 Firefighter Safety Initiatives. As a field trip, it is a field trip to the NFPFA (National Fire Protection Association) and the role of the state training centers and a field trip to the Massachusetts Firefighting Academy in Stow, MA. These topics will be discussed with particular focus on the National Fire Administration's Fire and Emergency Services Higher Education (FESHE) Professional Development Model and its explanation of how education, training, experience and individual development is needed for a successful job in the fire service. This course incorporates the learning outcomes of BHCC’s Learning Community Seminar and fulfills the Seminar’s requirements for first-time, college students. 01 SEM T 6:00 p.m.-8:45 p.m. B126 TBA

HRT-105 Hospitalitv Seminar 3 credits This course provides students with an in-depth, experiential understanding of the options available within the hospitality industry. Topics covered include industry-specific areas such as hotels, resorts, cruises, tours, convention and visitors bureaus and travel agencies with particular focus on the skills and abilities that each individual needs to create a successful career. Guest speakers and site visits are an integral part of this course. 01 SEM M/W 8:30 a.m.-9:45 a.m. E450 M Lee-Locke 02 SEM T 3:35 p.m.-5:45 p.m. E419 K Spicer

OIM-159 Office and Information Management: Technology on the Move 3 credits Students explore career opportunities in medical, legal, and executive administration fields. This course includes critical thinking and teamwork projects to help students develop the ability to give and receive constructive criticism in a supportive environment. Students complete individual and team projects that use Internet research and library resources. Based on research related to office and information management issues, the course develops critical workplace skills. Time management, leadership, note-taking, and test-taking skills are emphasized. Security issues, legal and ethical issues, and cultural diversity are covered. Current students, alumni, and business personnel will provide perspectives on how to succeed in academia and in the business world. Prerequisites: Writing Skills II (ENG095) or placement and Academic Reading (ESL098) or Reading Skills II (RDG095) or placement. Pr/co-requisite: Keyboarding: Document Generation I (OIM101). Co-requisite: Group Dynamics (PSY107). Note: This change will not affect PSY107 requirements. 01C SEM TTH 8:30 a.m.-9:45 a.m. D119 M Briggs 01D SEM TTH 10:30 a.m.-12:15 p.m. PSY107-002 01S SEM 12:00 p.m.-2:45 p.m. D119 K Myers

PLG-101 Introduction to Law 3 credits This course provides students with an understanding of the paralegal field. The course assists students to become familiar with all aspects of the legal system. The course emphasizes the role of the paralegal and the way that role contributes to the work of the lawyer. The course explores the role of law in our society, the judicial system, contract law, tort law, equity, and criminal law. Prerequisites: Writing Skills II (ENG095), Reading Skills II (RDG095) or Academic Reading III (ESL098) or placement. 01 SEM TTH 10:00 a.m.-11:15 a.m. H120 S Atlas Class meets at the new H building 01T SEM 7:00 p.m.-8:15 p.m. B128 TBA

Course Descriptions & Section Listings

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LITERATURE

LIT-201 Introduction to Literature 3 credits
This course develops students' ability to interpret, analyze, evaluate, and respond to ideas about literature. Students explore the nature, structure, and form of poetry, short story, and drama. The course meets General Education "Humanities" Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC M, W 7:00 a.m.-8:15 a.m. B104 TBA
02 LEC T, TH 7:00 a.m.-8:15 a.m. B131 K. Waite
03 LEC T, TH 8:30 a.m.-9:45 a.m. B105 T. Hooper
04 LEC M, W 11:30 a.m.-12:45 p.m. B106 M. Dusbin
05 LEC M, W 2:30 p.m.-3:45 p.m. B104 E. Maurice
06 LEC M, W 10:00 a.m.-11:15 a.m. B221 G. Wagner
07 LEC M 1:30 p.m.-5:10 p.m. B139 TBA
08 LEC W 3:30 p.m.-5:10 p.m. B139 TBA
09 LEC T 3:30 p.m.-5:10 p.m. B222 M. Dusbin
10 LEC F 11:30 a.m.-2:15 p.m. B217 R. Chiasson
11 LEC M, W 1:00 p.m.-2:15 p.m. 209 S. Demarest
Class meets at the Chelsea Campus
12 LEC TH 5:30 p.m.-8:15 p.m. EBOS T. Oliver
Class meets at the East Boston Satellite
13 LEC T 6:00 p.m.-8:15 p.m. MLDN TBA
Class meets at the Malden Satellite
14 H1 LEC W 6:00 p.m.-8:45 p.m. MLDN B. Mannon
Class meets at the Malden Satellite
15 T1 LEC T 6:30 p.m.-8:51 p.m. D2 C. Mason
16 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. P. Catella

LIT-211 Masterpieces of World Literature I 3 credits
This course considers the landmarks of literature, from ancient times to the eighteenth century, which have shaped, reflected or criticized Western thought. Students will examine the many ways sex and gender are influenced by distinctions of race, class, and ethnicity. The course covers works both classic and contemporary. This course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC T, TH 11:30 a.m.-12:45 p.m. B131 Santos Silva
02 LEC M, W 11:30 a.m.-12:45 p.m. B215 C. Corona
03 LEC W 7:00 a.m.-8:45 a.m. B215 C. Corona
04 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. P. Catella

LIT-227 African-American Literature 3 credits
This course introduces students to African-American literature in all its forms, from fables to fairy tales, from realistic fiction to fantasy, from nonsense to narrative poetry. The course covers works both classic and contemporary. This course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC T, TH 11:30 a.m.-12:45 p.m. B131 Santos Silva
02 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. P. Catella

LIT-202 Literature in America I 3 credits
This course traces the physical, moral, and psychological development of an emerging nation through its literature. The course explores the themes of sin, guilt, justice, and equality in the historical movement of the nation from colonial settlement to westward expansion. The course includes works representative of the ethnic and racial diversity of American culture. The course meets General Education "Humanities" Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC M, W 8:30 a.m.-9:45 a.m. TBA
02 LEC T, TH 10:00 a.m.-11:15 a.m. B109 J. Cohn
03 LEC M, W 1:00 p.m.-2:15 p.m. B104 I. Larajeure
04 LEC T, TH 3:30 p.m.-5:10 p.m. B133 C. Mason
F1 LEC F 6:30 p.m.-9:15 p.m. B104 C. Kelley
LC SLF 1 hour per credit attendance is required Arrive hours in the CSDL H165 CSDL Staff
S1 LEC S 12:00 p.m.-2:45 p.m. 4 ENG111
SLF 1 hour per credit attendance is required Arrive hours in the CSDL H165 CSDL Staff
W1 LEC W 6:30 p.m.-9:15 p.m. G138 C. Kelley
WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. N. Oliveri

LIT-207 Literature in the South 3 credits
This course explores the role of literature as a mirror of the values and conflicts of a changing society. It also examines stereotypes associated with minorities and illustrates the role of literature in alerting society to social and moral issues. This course meets General Education "Humanities" Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC T, TH 6:30 p.m.-8:45 p.m. B106 A. Umansky
WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M. Lee

LIT-210 Masterpieces of World Literature II 3 credits
This course continues the examination of the great works of the humanist tradition. Faculty select readings from the eighteenth century to the twentieth century from Moliere, Voltaire, Chekhov, Ibsen, Tolstoy, Conrad, Turgenev, Zola, Kafka, Singer, Bellow, Mishima, Orwell, and Eliot. The list may vary. The course also includes an international studies module of the contemporary literature of Africa, Asia, and Latin America. The course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC W 2:30 p.m.-5:10 p.m. G138 R. Pennell
WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M. Lee

LIT-217 Children's Literature I 3 credits
This course introduces students to children's literature in all its forms, from fables to fairy tales, from realistic fiction to fantasy, from nonsense to narrative poetry. The course covers works both classic and contemporary. This course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC F 8:30 a.m.-11:15 a.m. D217 T. McLaughlin
02 LEC TH 6:00 p.m.-8:45 p.m. G303 E. Costello
Class meets at the Chelsea Campus
M1 LEC M 6:00 p.m.-8:45 p.m. D217 T. McLaughlin
S1 LEC S 9:00 a.m.-11:45 a.m. B217 K. Danovitch

LIT-219 African Literature 3 credits
This survey course covers works of contemporary African literature written both in its own language and in English. Students participate in a variety of class activities. The course covers works both classic and contemporary. This course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC T, TH 6:30 p.m.-8:45 p.m. B129 TBA
02 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. I. Santos Silva

LIT-220 Immigrant Experience 3 credits
This course explores the experiences and contributions of the many ethnic groups who have shaped American culture. Short stories, novels, plays, essays, and poems present the bi-cultural American story told by those who have roots who have long been established in this country and by those who have more recently arrived. The course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC T, TH 8:30 a.m.-9:45 a.m. B128 J. Rosser

LIT-501 Gender and Literature 3 credits
How has our idea of "femininity" and "masculinity" changed over time? What did it mean to be a man or woman? By examining some of the theories contributing to the gender debate in the west, and applying critical reading to a variety of literature, students will seek a deeper understanding of gender identity and gender roles. In doing so, the class will examine the many ways sex and gender are influenced by distinctions of race, class and ethnicity. The course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 LEC M, W 11:30 a.m.-12:45 p.m. B215 C. Corona

LIT-523 Supernatural & Horror Literature 3 credits
This course will analyze short and long works that deal with a variety of aspects of the supernatural. Students will read both classic and contemporary works by authors such as Bram Stoker, Robert Bloch, Ira Levin, Mary Wollstonecraft Shelly, Henry James, Edgar Allen Poe, Stephen King, Shirley Jackson and H.P. Lovecraft. The course explores the role of literature in alerting society to social and political conditions that affect the values and conflicts of a changing society. It also examines the many ways sex and gender are influenced by distinctions of race, class and ethnicity. The course meets General Education Humanities Requirement Area 6. Pre/corequisite: College Writing I (ENG111).

01 M1 LEC M 6:00 p.m.-8:45 p.m. E451 M. Dusbin

MANAGEMENT

MAN-105 Principles of Marketing 3 credits
This course is a study of the basic principles of marketing and the application of these principles in today's changing competitive environment. The focus of this course is on the behavior of the consumer market and the product, pricing, promotion and distribution decisions employed to create consumer satisfaction. Prerequisites: Academic Reading III (ENG098) or Reading Skills II (RDG099) or placement and Writing Skills I (ENG099) or placement.

01 LEC T, TH 8:30 a.m.-9:45 a.m. B134 T. Fontes
02 LEC F 8:30 a.m.-11:15 a.m. B128 TBA
03C LEC M.W 10:00 a.m.-11:15 a.m. B131 H. Jean Gilles
Class meets at the Chelsea Campus
03C LEC M.W 10:00 a.m.-11:15 a.m. B131 H. Jean Gilles
03C LEC M.W 10:00 a.m.-11:15 a.m. B131 H. Jean Gilles
Class must be taken with MAT181-12C
04 LEC M.W 3:30 p.m.-5:10 p.m. B224 H. Jean Gilles
WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M. Oliveri

06 LEC M.W 7:00 a.m.-8:15 a.m. B110 TBA
07 LEC T, TH 6:30 p.m.-8:45 p.m. 206 TBA
Class meets at the Chelsea Campus
H1 LEC T, TH 9:00 a.m.-11:45 a.m. B108 TBA

SLF 1 hour per credit attendance is required Arrive hours in the CSDL H165 CSDL Staff
MAN-107 Introduction to Entrepreneurship 3 credits
This is an introductory course for those interested in starting or running their own business. Students will assess how technology and innovation, demographics, economics and social changes create business opportunities. Students will evaluate the feasibility of business ideas based on strengths, weaknesses, financial goals and competitive threats. Students will also identify desirable characteristics of leading entrepreneurs to identify skills and behaviors which lead to success. Prequisites: Principles of Management (MAN111) or Principles of Management (MAN105).

MAN-111 Principles of Management 3 credits
The skills and functions, theories and principles of management are studied in respect to the socio-cultural environment within which a firm operates. An emphasis on decision-making, organizational strategy, planning and system design provides a framework for examining the application of management concepts in the modern business world and the evaluation of organization problems and issues. Prequisites: Principles of Management II (ENG905) or Academic Reading III (ESL098) or Reading Skills II (RDG095) or placements.

MAN-112 Organizational Behavior/Design 3 credits
Organizational behavior and design, social systems and contemporary management issues are explored, experienced and analyzed. Students will examine the different leadership characteristics and styles which affect an individual's ability to influence organizational strategy, planning and decision-making. Prequisites: Principles of Management (MAN111) or Principles of Management (MAN105).

MAN-120 Management Seminar 3 credits
Engaged in diagnosing business issues and managerial problems posed through actual real life case studies, students apply strategies developed in a variety of individual and competitive situations. Teams identify strategic issues; propose workable plans of action; explain, present and defend their assessments; where applicable, draw upon prior course study/life experiences and library and Internet research to create a sound industry/business analysis into a sound, realistic, action agenda supported by evidence. Note: This course is a Capstone course and should be taken in the student’s final semester. Prerequisites: Principles of Management (MAN111) and Principles of Marketing (MAN105).

MAT-093 Fundamentals of Mathematics 3 credits
Topics include solving applied problems with whole numbers, decimals and fractions; ratios and proportions; rates; percentages and applications in sales tax, interest, commissions, and discounts; determining numerical averages and means; converting and square roots; measurement; and geometry. Technology is incorporated to facilitate problem solving. This course does not satisfy degree requirements. Course requires Wk 1-5 Lab hour.

MAN-201 Management Fund Industry 3 credits
This course introduces the myriad aspects of the mutual fund business including the way mutual funds are structured, regulated, marketed, and distributed. In addition, the course explores shareholder serving systems and technology. Prerequisites: Principles of Accounting II (ACC102) and Investments (ACC111).

WBL WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. L Robertie
Class meets 09/16/13-12/22/13

MAT-201 E-Commerce Marketing Management 3 credits
This course provides an overview of the way E-Commerce is conducted, marketed, and managed, and describes its major opportunities, limitations, issues, and risks. E-Commerce is an interdisciplinary topic and, therefore, is of interest to managers and professional people in any functional area of the business world. The course describes the manner in which transactions take place over the Internet. The course covers descriptions and discussions of the process of electronically buying and selling goods, services, and information. It introduces specific applications, such as buying and selling stocks or books over the Internet, which are growing at a rate of several hundred percent a year. Prerequisite: Principles of Marketing (MAN105).

MAN-511 Principles of Sports Management 3 credits
This course is an overview of the discipline of sports management. Time will be spent exploring the development and composition of the industry as well as future trends, at both the amateur and professional levels. Students will be introduced to the fundamental components of sports management including personnel, marketing, events, management, ethics, and public relations. They will also identify the career options within the sports management profession. Prerequisites: Introduction to Business (BUS101) or permission of instructor.

MAN-106 International Marketing 3 credits
This course covers the study of marketing strategies adapted to fit the special requirements of international marketing structures, as well as the differing cultural, political, and legal environments. Students examine the marketing forces that play an important role in deciding the feasibility of internationalizing a product. Prequisite: Principles of Marketing (MAN105).

WBL WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M Sheehan
Class meets 09/16/13-12/22/13

MATHEMATICS
MAT-097 Foundations of Algebra 3 credits
This course is a continuation of Foundations of Math (MAT093). Topics include algebraic expressions, solving and graphing linear equations and inequalities, exponents and scientific notation, introduction to polynomial arithmetic, and systems of linear equations and their graphs. Technology is incorporated to facilitate problem solving. This course does not satisfy degree requirements. Prerequisite: Grade of C or better in Foundations of Mathematics (MAT093) or placement. Course may require an additional lab hour.

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MAT-099 Intermediate Algebra 3 credits
This course is a continuation of Foundations of Algebra (MAT097). Topics in this course include polynomial arithmetic, introduction to functions, factoring, roots and radicals, rational expressions, absolute value inequalities, quadratic equations and the quadratic formula, and solving applied problems. This course does not satisfy degree requirements. Prerequisite: Grade of C or better in Foundations of Algebra (MAT097) or placement. Course may require an additional lab hour.

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MAT-100 Topics in Career Math 3 credits
This course applies basic arithmetic techniques to the following business topics: percentage, trade and cash discounts, merchandising, depreciation, simple and compound interest, and percent change. The course covers additional topics that faculty choose from such as additional topics to be announced. This course is designed for students who are not planning to take a course in mathematics beyond the level of pre-college algebra.

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MAT-133 Introduction to Metric System 1 credit
This course enables students to recognize and use metric terms, roughly measure using body parts, and use estimation within the metric system.

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MAT-171 Finite Mathematics 3 credits
Set theory, coordinate systems and graphs, matrices and linear systems, linear programming, and probability are considered in this course. Applications to business and the social sciences are emphasized. This course meets General Education “Quantitative Thought” Requirement Area 4. Prerequisite: Grade of C or better in Foundations of Algebra (MAT097).

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MAT-172 Contemporary Math I 3 credits
This course covers mathematical topics that have applications in contemporary society. Topics include number theory (Fermat’s Theorem, characterization of primes, Diophantine equations), mathematical systems (base n and modular arithmetic, groups, rings, fields), logic (simple and compound statements, conditionals, symbolic logic, truth tables), graphs and symmetric matrices (Matrix Algebra, Golden Ratio), natural and artistic illustrations, fractals. The course encourages students to interpret, analyze, and evaluate from a mathematical perspective. The course meets General Education “Quantitative Thought” Requirement Area 4. Prerequisite: Grade of C or better in Foundations of Algebra (MAT097) or placement.

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MAT-173 Contemporary Math II 3 credits
This course covers mathematical topics that have applications in contemporary society. Topics include linear, quadratic, exponential, and logarithmic functions, number patterns, use in problem-solving, consumer math (payroll, investments, financing, budgets) and computers (algorithms, flowcharts, applications to the course’s other topics). The course encourages students to interpret, analyze, and evaluate from a mathematical perspective. The course meets General Education “Quantitative Thought” Requirement Area 4. Prerequisite: Grade of C or better in Foundations of Algebra (MAT097) or placement.

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<td>MAT-173</td>
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### MAT-193 Topics in Algebra and Trigonometry 3 credits
This course provides an intensive one-semester survey of topics in algebra and trigonometry. Topics include powers of ten, formulas, graphs, simultaneous equations, logarithms, right triangle trigonometry, vectors, sine waves, and complex numbers. Topics are illustrated by applications from electronics and other fields. Use of scientific calculator is required. Prerequisite: Placement or grade of C or better in Fundamentals of Algebra (MAT094).

- 01N LEC M,W 8:30 a.m.-9:45 a.m. M104 TBA 
  Electric Power Utility Program students only

### MAT-194 College Algebra for STEM 4 credits
This course is designed for science, technology, engineering, computer science, and mathematics students and provides a solid preparation for precalculus. The course covers systems of linear equations, matrices, partial fractions, linear programming, algebra of functions, quadratic equations, polynomials, rational and radical functions, complex numbers, exponential and logarithmic functions, maximum and minimum problems, symmetry, lines, conic sections, graphs of relations and functions, and applications. A graphing calculator is required for this course. This course meets General Education “Quantitative Thought” Requirement Area 4. Prerequisite: Grade of C or better in Intermediate Algebra (MAT099) or a grade of B or better is recommended or placement.

- 01 LEC M,W,F 7:00 a.m.-8:15 a.m. TBA 
  - 02 LEC T,H,F 7:00 a.m.-8:15 a.m. TBA 
  - 03 LEC M,W,F 7:55 a.m.-9:05 a.m. TBA 
  - 04 LEC T,H,F 7:55 a.m.-9:05 a.m. TBA 
  - 05 LEC F 8:00 a.m.-10:45 a.m. TBA 
  - 06 LEC T,H,F 10:00 a.m.-11:15 a.m. TBA 
  - 07 LEC T,H,F 8:30 a.m.-9:45 a.m. TBA 
  - 08 LEC M,W,F 10:00 a.m.-11:15 a.m. TBA 
  - 09 LEC M,W,F 11:30 a.m.-12:35 p.m. TBA 
  - 10 LEC T,H,F 11:30 a.m.-12:45 p.m. TBA 
  - 11 LEC F 1:00 p.m.-3:15 p.m. TBA 
  - 12 LEC F 1:00 p.m.-3:15 p.m. TBA 
  - 13 LEC M,W,F 2:30 p.m.-4:10 p.m. TBA 
  - 14 LEC M,W,F 2:30 p.m.-4:10 p.m. TBA 
  - 15 LEC W 6:00 p.m.-8:15 p.m. TBA 

### MAT-31 Calculus for Management Science 4 credits
This one-semester course covers topics designed for students in business, economics, and the social sciences. Topics include limits, differentiation and integration of algebraic, exponential and logarithmic functions, optimization, and other applications. Graphing calculator is required. Prerequisite: Grade of C or better in College Algebra for STEM (MAT194) or placement.

- 01 LEC T,H,F 2:30 p.m.-4:10 p.m. D217 TBA 
  - 02 LEC M,W 11:30 a.m.-12:45 p.m. D216 TBA 
  - 03 LEC M,W,F 7:00 a.m.-8:15 a.m. D216 TBA 
  - 04 LC SLF 1 hour per credit attendance is required All courses in the CSDL TBA 
  - 05 S 12:00 p.m.-3:45 p.m. D216 TBA 
  - 06 T 6:00 p.m.-10:00 p.m. D216 TBA 
  - 07 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. A Hamblett

### MAT-183 Statistics/Lab 4 credits
This computer-based course covers statistical concepts and methods. Topics include data organization, averages and variation; elementary probability; binomial, normal, and t-distributions; estimation and hypothesis testing; and linear correlation and regression. The course meets General Education “Quantitative Thought” Requirement Area 4. Prerequisite: Grade of C or better in Foundations of Algebra (MAT097).

- 01 LAB T 2:25 a.m.-8:15 a.m. D102 TBA 
- 02 LAB T,H,F 8:00 a.m.-11:25 a.m. B195B TBA 
- 03 LAB W 11:00 a.m.-2:50 p.m. M103 TBA 
- 04 LAB LEC M,W,F 9:30 a.m.-12:25 p.m. B195A TBA 
- 05 LAB M 4:00 p.m.-6:50 p.m. M103 TBA 
- 06 LC SLF 1 hour per credit attendance is required All courses in the CSDL TBA 
- 07 T 5:00 p.m.-5:50 p.m. M103 TBA 
- 08 TEC 6:45 p.m.-8:45 p.m. D218 TBA

### LAB Web Courses
WBL…………………Online Late Start Courses 
WBM…………………Mass Colleges online 
70-79…………………Chelsea Day 87…………………Somerville 
90-94…………………Chelsea Evening 
C1-Q4, R1-R4…………….Mini Session Courses 
S1-S4…………………Saturday 
SU-SU4…………………Sunday 
CLIN…………………Clinical 
HYB…………………Hybrid 
LAB…………………Lab Practicum 
LEC…………………Lecture 

L/L………………….Lab Practicum and Lecture 
SEM……………………Seminar 
SLF…………….Students determine their own schedule 
WBL…………….Students determine their own schedule 
WBM…………….Students determine their own schedule 
WBL…………….Students determine their own schedule 

Courses marked with a leaf symbol are part of BHCC’s ongoing efforts to integrate sustainability into the College’s curriculum. These courses emphasize the importance of environmental responsibility and contribute significantly to students, understanding and practice of sustainability. Not all sections may be sustainable, please check with the Registrar’s Office if you have questions.
substitution. Graphing calculator required. Prerequisite: Placement or grade of C or better in Trigonometry (MAT090). 01 LEC M,W 11:30 a.m.-1:30 p.m. H149 TBA Class meets at the new H building 02 LEC T,TH 2:30 p.m.-4:20 p.m. B106 TBA 03 LEC M,W 2:30 p.m.-4:20 p.m. B128 S Darwish LC SLF 1 hour per credit attendance is required. Arrange hours in the CSDL H165 M Prudent T1 LEC T 6:00 p.m.-9:45 p.m. D214 TBA W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

MAT-282 Calculus II 4 credits
This course is a continuation of Calculus I (MAT281) and begins with a study of numerical integration. Techniques of integration are applied to the following topics: transcendental functions (including their derivatives), area of region between two curves, volume and surface area of solids of revolution, arc length and curvature, vectors, arc-length and curvature, functions, several variables, directional derivatives, gradients, extrema of functions of several variables, Lagrange multipliers, line integrals, Green's Theorem, surface integrals, the Divergence Theorem, Stokes' Theorem, and applications to physics and sciences, and engineering. Graphic Calculator is required. Prerequisite: Grade of C or better in Calculus I (MAT281) or placement. 01 LEC T,TH 9:30 a.m.-11:15 a.m. E140 TBA 02 LEC T,TH, H 10:00 a.m.-11:15 a.m. B223 TBA H1 LEC TH 6:00 p.m.-9:45 p.m. B105 TBA LC SLF 1 hour per credit attendance is required. Arrange hours in the CSDL H165 A Kaloikoh SU LEC SU 12:00 p.m.-4:15 p.m. D209 TBA W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.

MAT-283 Calculus III 4 credits
This course is a continuation of Calculus II (MAT282) and includes plane curves, parametric equations, vectors, vector-valued functions, tangent and normal vectors, arc-length and curvature, functions of several variables, directional derivatives, gradients, extrema of functions of several variables, Lagrange multipliers, line integrals, Green's Theorem, surface integrals, the Divergence Theorem, Stokes' Theorem, and applications to physics and sciences, and engineering. Graphic Calculator is required. Prerequisite: Grade of C or better in Calculus II (MAT282) or placement. 01 LEC T,TH 11:30 a.m.-2:15 p.m. D208 Y Raco 02 LEC F 1:30 p.m.-4:15 p.m. B132 Y Raco F1 LEC F 6:00 p.m.-9:45 p.m. B110 TBA

MAT-285 Ordinary Differential Equations 4 credits
This course will include first and higher order differential equations and applications, series solutions of differential equations, transform techniques, systems of linear first order differential equations and numerical solutions of ordinary differential equations. Emphasis will be placed on analytical techniques and engineering applications aided by the use of computer software. Material on linear systems will be incorporated. Prerequisite: Grade of C or better in Calculus II (MAT282) or placement. 01 LEC M,W 2:30 p.m.-4:10 p.m. D218 Y Raco

MAT-291 Linear Algebra 4 credits
This course will include linear systems of equations, matrix operations, determinants, linear dependency, vector spaces, linear transformations, eigenvalues and eigenvectors. Proofs by mathematical induction and contruction will be incorporated. Emphasis will be placed on mathematical structure and axiomatic reasoning aided by the use of computer software. Prerequisite: Grade of C or better in Calculus I (MAT281) or placement. 01 LEC T,TH 6:00 p.m.-8:15 p.m. D210 Y Raco

MAT-520 Functions and Change 3 credits
This course is designed for students who are not fond of calculus-based curricula, but who still need a solid quantitative foundation for subsequent studies. This introduction to mathematical modeling offers an alternative to the standard calculus course. This course will introduce the students to mathematical models of real world problems. It emphasizes use of graphs, functions, and tables to describe the data and use the models to interpolate and extrapolate. Students will be expected to interpret results in writing and use technology (if it is necessary) to solve and display results. A graphing calculator is required for this course. Prerequisite: Grade of C or better in Foundations of Algebra (MAT097). 01 LEC M,W 8:30 a.m.-9:45 a.m. B129A TBA

MEDICAL IMAGING

CTC-111 Computed Tomography I 3 credits
This interactive, web-based course introduces the principles and physics on conventional and as well as spiral/ helical CT. It begins with descriptions of the hardware configurations, and progresses to include the computer science of the system, including digital image processing, data acquisition, display, and reconstruction methods. Technical factors affecting image quality, artifact, recognition and reduction, quality control and patient doses will be discussed. Multislice technology will have particular emphasis, and 3D applications, CT angiography, CT fluoroscopy and other advanced applications will be presented. Radiation safety, dosimetry and contrast agents will also be included in this course. Prerequisite: Acceptance into CT Certificate Program. W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. D Disereti

MAC-111 Mammography Principles I 3 credits
This interactive, web-based course presents the concepts of equipment design, technical factors and compares analog to digital mammography equipment and techniques. Quality assurance and special patient situations, as well as interventional procedures will also be discussed. Prerequisite: Acceptance into Mammography Certificate Program. W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. T Millard

MIG-101 Introduction to Ultrasound 2 credits
This course provides introductory exposure to the field of diagnostic medical sonography. The history and development of the modality as well as relevant medical terminology and vocabulary will be presented. Other topics discussed include caring for patients across cultural lines, the role of a sonographer in the medical field, and the prevention of repetitive strain injuries. Prerequisite: Admission into the Cardiac or General Sonography programs. 01 LEC W 8:30 a.m.-11:15 a.m. G218 M Gagnon

MIG-105 Ultrasound Physics and Instrument 3 credits
This course provides students with the theory of ultrasound physics and instrumentation. Topics will include an in-depth study of ultrasound principles and the way in which ultrasound is utilized in imaging. Propagation of sound, attenuation and acoustic impedance as well as reflection and scattering will be discussed. Ultrasound equipment components, including transducer construction and recording devices will be covered in great detail. Doppler principles including color Doppler will be examined. Prerequisite: Admission in to the Cardiac or General Sonography Program. 01 LEC T 8:30 a.m.-11:15 a.m. G218 M Gagnon

MIG-107 Introduction to Medical Radiography 2 credits
This course covers introductory exposure to the fields of medical radiography and ultrasound. The course covers the history of development of the two modalities, as well as an introduction to radiation protection. The importance of communication between the radiographer and the patient in a diverse environment will be stressed. Other topics will include legal and ethical issues in radiography and medical terminology. This will be a lab-lecture course, with a web-delivered component. Prerequisite: Admission to the Medical Radiography Program. 01 LEC M,W 12:05 p.m.-3:45 p.m. G225 D Disereti T1 LEC T 6:00 p.m.-9:15 p.m. G218 D Disereti

MIG-109 Patient Care for Medical Imaging 4 credits
This lab course covers organization and standards of the medical establishment: basic patient care procedures including vital signs, safety, immobility, body mechanics, and medical asepsis; CPR; and basic EKG, oxygen administration, and venipuncture skills. The importance of communication between the radiographer and the patient will be stressed. Simulated laboratory sessions offer students an opportunity to return demonstrated techniques. Co-requisite: Introduction to Medical Radiography (MIG107) or Introduction to Ultrasound (MIG121). 01 LEC F 8:30 a.m.-1:45 p.m. G218 T Millard H1 LEC TH 6:00 p.m.-11:30 p.m. G225 E Peterson

MIG-111 Imaging Tech I 3 credits
This course covers topics in physics of special significance in radiography. Specific areas include Newton’s Laws, and the concepts of mass force, energy, work, and power. It includes heat and its production and transfer. It emphasizes the physics of wave motion. The course covers some general concepts of modern physics including Einstein’s energy equation, the Heisenberg Principle, and quantum concepts. A computer component introduces students to the principles and background of computers. W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. Y Redd

MIG-122 Positioning I 3 credits
This course covers basic principles of patient positioning as applied to medical radiography. The course provides both lecture and lab experiences to help students develop competency in positioning and the way the patient is positioned across cultural lines, the role of a sonographer in the medical field, and the prevention of repetitive strain injuries. Prerequisite: Admission into the Cardiac or General Sonography programs. 01 LEC TH 8:45 a.m.-1:00 p.m. G225 L Pellecchia

MIG-124F Full-time Medical Radiography Clinical I 2 credits
This course is a continuation of Medical Imaging. This course covers topics in physics of special significance in radiography. Specific areas include Newton’s Laws, and the concepts of mass force, energy, work, and power. It includes heat and its production and transfer. It emphasizes the physics of wave motion. The course covers some general concepts of modern physics including Einstein’s energy equation, the Heisenberg Principle, and quantum concepts. A computer component introduces students to the principles and background of computers. W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. Y Redd

MIG-161 Intro to Diagnostic Imaging and PACs 3 credits
Designed for students with previous experience in Medical Imaging or Computer Science who wish to pursue a career in PACs administration, this course introduces the students to the history of medical imaging with a focus on state-of-the-art diagnostic imaging, the DICOM standard, and the clinical relevance of PACs to the members of the Radiology Department, referring physicians, the overall delivery of healthcare. For additional information and/or syllabus contact CITDepartment@bhcc.mass.edu. Prerequisite: Admission to PACs certificate program. W8 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. Y Redd

MIG-201 Echo III 4 credits
This continuation course of Echo I and II covers advanced cardiac interpretation and echo features of coronary artery disease and valvular heart disease. Students discuss a basic overview of pediatric echo and congenital heart disease. The course reviews related echo material before placement in the clinical sites. Prerequisite: Echo II (MIG119). 01 LEC M 8:30 a.m.-12:05 p.m. G218 M Gagnon

MIG-207 Ultrasound Physics and Math for the Cardiac Sonographer 2 credits
This course is a continuation of Ultrasound for the Cardiac Sonographer Physics and Instrumentation and is designed for the cardiac sonographer student.
to integrate their knowledge of ultrasound physics and instrumentation with clinical practice of actually producing a high quality diagnostic image. Image quality will be stressed throughout this course through the use of hands-on applications in the ultrasound lab. Additional topics discussed will include: Spectral display, image artifacts, bioeffects and safety as well as introduction to 3D ultrasound, contrast agents. Prerequisite: Ultrasound Physics and Instrumentation (MIG105) and Echo II (MIG119).

MIG-211 Cardiac Sonography Clinical I 3 credits
This course covers the development of students’ skills in the performance of echocardiograms at the clinical sites. Under supervision of their clinical instructor and the BHCC clinical coordinator, students gain knowledge through scanning patients in the clinical setting. Students’ performances are evaluated through clinical competencies in each related echo area. Additional expenses may include supplies, equipment, and/or uniforms. Course meets three (3) days/week.
Prerequisite: Echocardiography II (MIG119). Co-requisite: Echocardiography III (MIG201).

MIG-220 Postioning III 2 credits
This course applies the fundamentals of Positioning I and II to advanced level radiographic examinations. Lecture and laboratory include the anatomy and radiology of the skull, facial bones, and sinuses, TMJ, mastoids, and other advanced skull exams. The course provides an introduction to advanced exams including arthrogams and myelograms. Prerequisite: Positioning II (MIG126).

LEC: M 10:00 a.m.-1:45 p.m.  G225 M Gagnon

MIG-222P Part-time Medical Radiography Clinical III 1 credit
This course allows students to expand upon skills developed during the core curriculum and clinical experience. Students assume more direct responsibility for specific radiographic examination. Additional expenses may include supplies, equipment, and/or uniforms. Course meets two (2) evenings/week, with 8 hours of clinical practice weekly. Prerequisite: Part-Time Medical Radiography Clinical II (MIG128P).

M, W 6:00 p.m.-10:00 p.m. TBA D Misrati

MIG-224 Radiologic Technology II 3 credits
Using lecture and lab sessions, this course presents the x-ray circuit in terms of wave, function. Topics included are not limited to, characteristics of x-rays, wave-particle duality, x-ray production, target interactions, photon interactions with matter, digital and conventional fluoroscopy, and x-ray instrumentation. Prerequisites: Imaging Technology I (MIG111).

LEC: M, W 8:30 a.m.-11:05 a.m. G225 D Misrati
Course meets 10/27/13-12/20/13

MIG-226 Radiologic Imaging II 3 credits
Using lecture and lab sessions, this course explores the concepts of quality assurance, quality control and film critique. Additional topics include but are not limited to: advance digital concepts, cardiovascular and interventional techniques, computers in imaging, and special radiographic procedures. Prerequisite: Radiographic Imaging I (MIG120).

M, W 8:30 a.m.-12:00 p.m. G225 D Misrati
Course meets 09/03/13-10/26/13

MIG-227 Pharmacology of Radiology 1 credit
This course is designed to provide basic concepts of pharmacology to the medical radiography student. Content includes chemical, generic and trade names for select drugs; pharmacokinetics, pharmacodynamics, principles of select drugs; classification of drugs; action; effects, uses and side effects of select drugs on imaging procedures; categories of contrast agents; pharmacology of barium and iodine compounds; dose calculations for adult and pediatric patients; legal and ethical status of the radiographer’s role in drug administration; and the radiographer’s professional liability concerning drug administration. This course has a web-based component. Prerequisites: Patient Care for Medical Imaging (MIG109) and Anatomy and Physiology II/Lab (SON201).

LEC: M 11:15 a.m.-2:15 p.m. G225 D Misrati

MIG-228F Full-time Medical Radiology Clinical IV 3 credits
This course allows students to develop additional experience in Positioning I, II, III, and IV, and to further expand their clinical skills. Additional expenses may include supplies, equipment, and/or uniforms. Course meets three (3) days/week with 24 hours of clinical practice weekly. Prerequisite: Full-time Medical Radiography Clinical III (MIG222F).

LEC: M 10:00 a.m.-1:30 p.m.  G226 G Peterson
Course meets 10/28/13-12/20/13

MIG-230 Radiation Protection 3 credits
This course covers an overview of the effects of ionizing radiation on the human body and the protective measures available to minimize those effects. The course examines the effects that produce somatic as well as genetic changes. This course stresses methods of limiting and monitoring radiation exposure to personnel, patients, and the general public. Students gain a personal frame of reference regarding the importance of this issue today. Prerequisite: Radiologic Imaging II (MIG222) for day option only. Co-requisite: Radiologic Imaging II (MIG222) for evening option.

M, W 5:30 p.m.-8:30 p.m.  G225 E Peterson
Course meets 10/28/13-12/20/13

MIG-234 CT/Sectional Anatomy 2 credits
This course introduces students to CT (Computerized Axial Tomography) history, the development of CT equipment configuration, and the basic scanning protocols. The course exposes students to cross-sectional anatomy, which is necessary for proficiency in the areas of CT, Ultrasound, and MRI. Prerequisite: Anatomy/Physiology II/Lab (BIO204).

WEB: For username and password, go to w.bhcc.mass.edu/mycourseaccess. L Pellecchia

MIG-251A Sectional Anatomy 3 credits
This interactive, web-based course is designed to provide an in-depth look at the selected sections of anatomy and their particular relevance to the fields of CT and MR. Prerequisites: Anatomy/Physiology I (BIO203), Anatomy/Physiology II (BIO204), or current ARRT, NMTCB or ARDNS registry status.

WEB For username and password, go to w.bhcc.mass.edu/mycourseaccess. D Misrati

MRC-111 MR Concepts I 3 credits
This interactive, web-based course begins with MR science and principles of MR, patient assessment, monitoring and management, and interpersonal communications. Other content includes infection control, MR instrumentation, fundamental principles, data manipulation and sequence parameters and options. Prerequisite: Acceptance into MR Certificate Program.

WEB: For username and password, go to w.bhcc.mass.edu/mycourseaccess. P Bamford

SON-113 Imaging Cross Sectional Anatomy 4 credits
This course focuses on detailed cross-sectional anatomy as it relates to sonographic imaging. This study of serial sectional anatomy helps sonographers gain knowledge of the human body needed for the practical application of ultrasound. In class scanning will occur on a routine basis. Prerequisite: Admission to General Sonography Program. Co-requisite: Anatomy/Physiology/Lab II (BIO204).

LEC: T 8:30 a.m.-12:30 p.m. G218 C Seibert

SON-213 Ultrasound Physics and Instrumentation for General Sonographer 2 credits
This hybrid course presents Physics of Ultrasound for the General Sonographer and its applications to the performance and instrumentation used in the general sonographic practice. A review of the basic laws and instruments are also discussed as they relate to the specific topics of the Doppler effect, sonographic artifacts. Special emphasis is placed on bioeffects and safety in the performance of General Sonography. The advancements in sonographic applications and instrumentation such as 3D ultrasound are explored as well as the use of contrast agents; Review from Ultrasound Physics I is covered in the form of online assignments and testing. Prerequisite: Ultrasound Physics/Instrumentation (MIG105). Corequisite: General Sonography Clinical III (SON223).

LEC: M 10:00 a.m.-1:05 p.m.  G218 C Seibert
LEC: W 11:30 a.m.-2:30 p.m.  G218 C Seibert
Course meets 09/03/13-12/26/13

SON-215 Advanced General Sonography I 2 credits
This hybrid course is a combination of classroom teaching and online learning experience. Course topics include a review of abdominal and subspecialty sonography. Interesting sonographic cases will be presented for review. Articles from the Journal of Ultrasound in Medicine and the Journal of Diagnostic Medical Sonography will be reviewed and discussed. Registry practice exams will be taken online on a regular basis. Prerequisite: Abdominal Ultrasound (SON115). Co-requisite: General Sonography Clinical III (SON225).

LEC: M 8:30 a.m.-11:15 a.m.  G220 C Seibert

SON-219 Obstetrical/Gynecological Sonography I 3 credits
This course familiarizes the student with interpretation of normal sonographic findings of gynecological and obstetrical sonography. All measurement techniques including gestational dating will be discussed. Abnormal sonographic findings as they relate to gynecology and the first trimester will be covered. Related scanning techniques and associated Color Flow and Doppler are described. Sonographic/medical terminology, pathophysiology, clinical presentation and associated laboratory findings as they relate to gynecology and the first trimester will be covered. Prerequisite: General Sonography Clinical I (SON121), Co-requisite: General Sonography Clinical III (SON223).

LEC: M 10:00 a.m.-1:05 p.m. G218 C Seibert
LEC: W 11:30 a.m.-2:35 p.m. G218 C Seibert
Course meets 10/28/13-12/20/13

SON-223 General Sonography Clinical III 3 credits
This course is the hands-on application of ultrasound in the hospital setting. Scanning skills are developed during this clinical. Students will be performing sonograms on inpatients and outpatients cases to sonographers and or physicians. Students will become acquainted with the responsibilities needed to work in the ultrasound setting. Clinical will take place 5 days per week. Prerequisite: General Sonography Clinical II (SON215). Co-requisites: General Sonography Clinical I (SON219), Advanced General Sonography (SON215), and Diagnostic Instrumentation (SON213).

LEC: T 10:00 a.m.-11:15 a.m. G220 N Chernyak

SON-224 General Ultrasound Physics and Instrumentation 4 credits
This course explores the nature and scope of clinical Laboratory Sciences I 2 credits
This course explores the nature and scope of clinical laboratory sciences. It includes discussion of the role of the laboratory in the delivery of health care in various settings, emphasizing historical background, types of health care facilities, regulatory agencies affecting laboratory operations, responsibilities, duties and professional conduct expected of clinical laboratory technicians, safety in the laboratory, laboratory mathematics and quality control. A phlebotomy workshop will develop the fundamental skills required to procure and prepare blood specimens for testing. A field trip will be scheduled to an area hospital laboratory. Prerequisite: Admission to CLS Program.

LEC: T 10:00 a.m.-11:15 a.m. G333 R Fortin
LAB: T 11:30 a.m.-12:45 p.m. G333 R Fortin

MEDICAL LABORATORY TECHNICIAN

MLT-111 Intro Clinical 2 credits
This course focuses on the nature and scope of laboratory sciences. It includes discussion of the role of the laboratory in the delivery of health care in various settings, emphasizing historical background, types of health care facilities, regulatory agencies affecting laboratory operations, responsibilities, duties and professional conduct expected of clinical laboratory technicians, safety in the laboratory, laboratory mathematics and quality control. A phlebotomy workshop will develop the fundamental skills required to procure and prepare blood specimens for testing. A field trip will be scheduled to an area hospital laboratory. Prerequisite: Admission to CLS Program.

LEC: T 10:00 a.m.-11:15 a.m. G333 R Fortin
LAB: T 11:30 a.m.-12:45 p.m. G333 R Fortin

COURSES DESCRIPTIONS & Section Listings
**MLT-112** Urinalysis  2 credits  
This course explores the principles and procedures of the routine urinalysis test on the normal and abnormal physiological functions of the renal system. The course consists of didactic sessions and laboratory sessions where normal and abnormal cellular constituents will be reviewed. Prerequisite: Admission to CLS Program.  
01 LEC  T 7:30 p.m.-9:45 p.m.  E140 E Fortin  
LAB  T 3:30 p.m.-5:10 p.m.  B333  L Fortin  

**MLT-211** Hematology & Hemositosis  4 credits  
This course consists exploring the theory and practice of routine hematology. Topics include the collection and handling of blood specimens, the origin, development, and function of human blood cells in health, disease, hemostasis, and coagulation, automation, and quality control. Routine hematology and coagulation testing will be emphasized. Prerequisite: Introduction to Clinical Laboratory Science (CL111) and Microbiology/Lab (Bio1205).  
01 LEC  M 8:30 a.m.-9:45 a.m.  B333 E Symczak  
LAB  W 1:00 p.m.-3:45 p.m.  B333 E Symczak  
LAB  TH 8:30 a.m.-9:45 a.m.  B333 E Symczak  

**MLT-241** Immunohematology  4 credits  
This course consists of the study of the genetic basis and immunological interaction of the major blood group antigens and antibodies. Topics will include compatibility testing, antibody screening and identification techniques, blood donation, transfusion therapy, record keeping, and quality control techniques. Prerequisites: Chemical Science II/Lab (CHM111) or Introduction to Inorganic Chemistry/Lab (CHM120), and Immunology & Serology (MLT212).  
01 LEC  W 10:00 a.m.-12:45 p.m.  B333  R Fortin  
LAB  TH 10:00 a.m.-12:45 p.m.  B333  R Fortin  

**MUSIC**  
**MUS-119** Music Appreciation II  3 credits  
A continuation of the history and development of music, this course presents representative samples of music from the romantic era to the present. It explores music's relationship to historical events and other art forms of the periods. This course meets General Education “Humanities” Requirement Area 6. Prerequisite: Music Appreciation I (MUS110) or permission of the department chair.  
01 LEC  M,W 1:10 p.m.-2:15 p.m.  B124  TBA  
**MUS-122** Foundation of Music  3 credits  
This course explores music's relationship to historical events and other art forms of the periods. This course meets General Education “Humanities” Requirement Area 6. Prerequisite: Music Appreciation I (MUS110) or permission of the department chair.  
01 LEC  M,W 1:10 p.m.-2:15 p.m.  B124  TBA  
**MUS-129** Rock & Roll History  3 credits  
This course covers the full spectrum of rhythm, intervals, scales, key signatures, chords, triads and sevenths, and cadences for beginning students. The course fosters ear training, note reading, some keyboarding application, and emphasizes active listening.  
01 LEC  M,W 1:10 p.m.-2:15 p.m.  B124  TBA  
**MUS-131** Piano I  3 credits  
This course provides group instruction for the beginner in keyboard, including note reading, fundamentals of rhythm, intervals, chords and scales, and a variety of keyboard literature. Students progress at their individual pace.  
01 LEC  T,H 2:30 p.m.-3:45 p.m.  B124 C Fong  
02 LEC  T,H 11:30 a.m.-12:45 p.m.  B124 C Fong  
**MUS-132** Piano II  3 credits  
A continuation of Piano I (MUS131), this course emphasizes music theory and expands the repertoire.  
01 LEC  M 2:30 p.m.-5:10 p.m.  B124  TBA  
**MUS-151** Music in the U.S.  3 credits  
A survey of musical practice in the United States from the earliest colonial period to the present, this course is designed to give the student an understanding of the richness of our country’s musical heritage, both popular (eventual) and classical (cultivated). Students learn to and discuss old and new music of many styles - folk, symphonic, rock, opera, religious, ethnic, jazz, and pop.  
01 LEC  M 8:30 a.m.-11:15 a.m.  B124 J Ammon  
**MUS-157** Vocal Performance Workshop  3 credits  
This is a workshop class that offers instruction in basic vocal skills. Instruction in these techniques will lead students to develop their ability to sing accurately and with confidence in any style. This class is open to anyone with a sincere interest in becoming a better singer, regardless of past vocal experience. Each class begins with a group warm-up session that leads to individual performances before the instructor and the rest of the class.  
01 LEC  T,H 2:30 p.m.-3:45 p.m.  A300 E Mousally  
**MUS-159** Vocal Performance Workshop II  3 credits  
A continuation of Vocal Performance I, this class offers additional instruction in vocal skills. Instructors in these techniques will further develop the student's ability to sing accurately and confidently in any style. Prerequisite: Vocal Performance Workshop I (MUS157).  
01 LEC  T,H 2:30 p.m.-3:45 p.m.  A300 E Mousally  
**MUS-161** World Music  3 credits  
This course fosters an appreciation of music from around the world (especially non-Western music.) Students will explore the music of Africa, the Middle East, Asia, East Asia, the Indian subcontinent, and the Americas, including the Caribbean. Students will learn how music functions as an expression of social customs and shared values, and how it is impacted by the history and geography of each culture. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading for Placement (ENG095) and English Skills II (ENG095) or exemption by placement testing.  
01 LEC  T,H 3:55 p.m.-5:10 p.m.  E140 E Mousally  
**MUS-526** Instrumental Performance Workshop  3 credits  
This is a performance workshop designed for instrumental musicians of varying levels. Students will work to strengthen their performance skills by playing regularly in class and out in public. In order to get the most out of this workshop, students must have a serious commitment to designing, preparing, and presenting actual live performances for concert, audition, and other live settings. Admission is contingent upon a DVD/CD or live audition showing of 2 pieces demonstrating your current performing level—any style of music is acceptable.  
01 LEC  T 10:00 a.m.-12:45 p.m.  A300  TBA  

**NUR**  
**NUR-095** Success in Nursing  3 credits  
This introductory course focuses on assisting students with the upcoming challenges in the nursing curriculum. The course emphasizes test-taking skills, study skills, critical thinking, learning styles, and therapeutic nurse-patient communication and beginning nursing concepts. The course is designed for nursing students accepted to the nursing program in the fall semester and those students planning to apply to the Nursing Program. Course meets: 3 hrs. lecture.  
01 LEC  T 2:30 p.m.-4:45 p.m.  G227 D Westaway  
02 LEC  W 2:30 p.m.-5:10 p.m.  G227 H Weiner  
**NUR-099** Nursing Pathways  2 credits  
This course is designed for students who are seeking admittance to the nursing program. This course will assist students in analyzing their study skills, and designing a path for successful completion of the nursing program. Topics include time management, stress reduction, adapting study skills, and test-taking techniques and practice. Students are encouraged to use introspection and critical thinking as they formulate a plan that will enable them to complete the nursing program and take the licensure exam after graduation. Computer software and small group work for problem solving in answering multiple-choice questions will be utilized.  
01 LEC  W 1:00 p.m.-2:45 p.m.  G226 D Westaway  
M1 LEC  M 7:00 p.m.-8:50 p.m.  G226 R Love  

**NUR-100** Drug Calculation  1 credit  
This course covers the apothecary, metric, and household systems of weights and measures and is designed for students admitted to the Nursing Program. The course focuses on the computation of drug dosages for oral and parenteral medications. It emphasizes the applications of skills necessary to compute dosages for infants, children, and adults and the calculations of intravenous infusions and medications. Class meets: 1 hr. lecture. Prerequisite: Foundations of Algebra (MAT097) or placement.  
01 LEC  M 9:00 a.m.-9:50 a.m.  G227 TBA  
02 LEC  W 2:30 p.m.-3:20 p.m.  G139 TBA  
M1 LEC  M 6:40 p.m.-7:30 p.m.  G140 TBA  
01 LEC  TH 1:00 p.m.-4:00 p.m.  G227 TBA  
02 LEC  TH 1:00 p.m.-4:00 p.m.  G227 TBA  
Class meets 09/16/13-11/03/13  
R1 LEC  TH 1:00 p.m.-4:00 p.m.  G227 TBA  
Class meets 11/04/13-12/22/13  
T1 LEC  T 5:30 p.m.-5:50 p.m.  G139 M Roy  

**WEB**  
WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.  
WEB1 For username and password, go to www.bhcc.mass.edu/mycourseaccess.  
WEB2 For username and password, go to www.bhcc.mass.edu/mycourseaccess.  
WEB3 For username and password, go to www.bhcc.mass.edu/mycourseaccess.  
B Spraklin Class meets 08/09/13-10/12/13  

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WBLI WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. L Spraklin
M 12/27/13

NUR-101 Health Assessment and Basic Skills/Lab 2 credits
This course introduces students to basic health assessment of the adult client using the body systems approach. Students acquire hands-on physical assessment skills and then transfer these skills to the clinical setting. Students also learn the basic nursing skills necessary to provide care to the whole person in the clinical setting. Additional expenses may include uniforms. Course meets 1 hr. lecture; 3 hrs. simulation lab. Prerequisites: Acceptance into the Nursing Program and Anatomy/Physiology I/Lab (BIO203), College Writing I (ENG111), and Drug Calculations (NUR100).

01 LEC M 9:00 a.m.-9:50 a.m. G139 TBA
LAB T 8:00 a.m.-11:00 a.m. G243 TBA
02 LEC M 9:00 a.m.-9:50 a.m. G139 TBA
LAB T 11:30 a.m.-2:30 p.m. G243 TBA
M1 LEC M 6:00 p.m.-6:50 p.m. G139 M Roy
LAB M 7:00 p.m.-10:00 p.m. G243 M Roy
M2 LEC M 6:00 p.m.-6:50 p.m. G139 M Roy
LAB W 7:00 p.m.-10:00 p.m. G243 M Roy
S1 LEC S 9:00 a.m.-2:00 p.m. G277 TBA
S2 LEC S 9:00 a.m.-12:00 p.m. G243 TBA

NUR-111 Nursing I 7 credits
This course provides the foundation for the theory and practice of associate degree nursing. The concepts of optimal health, person, nurse, environment, and holistic nursing are introduced within the framework of health promotion, health restoration, and health maintenance. The student is introduced to the critical thinking skills required for nursing practice. The student learns and begins to apply the nursing process in the promotion of health for adult clients using functional health patterns categories. Additional expenses may include supplies, equipment, and/or uniforms. Course meets: 5 hrs. lecture, 12 hrs. clinical practice in selected health care facilities. Prerequisite: Acceptance into the Nursing Program and Anatomy/Physiology I/Lab (BIO203), College Writing I (ENG111), and Drug Calculations (NUR100).

01 LEC M 10:00 a.m.-12:00 p.m. G139 M Riordan
LEC W 10:00 a.m.-1:00 p.m. G139 M Riordan
CLN Days and times to be arranged TBA TBA
02 LEC M 10:00 a.m.-12:00 p.m. G139 M Riordan
LEC W 10:00 a.m.-1:00 p.m. G139 M Riordan
CLN Days and times to be arranged TBA TBA
F1 LEC F 4:00 p.m.-9:00 p.m. G277 TBA
CLN Days and times to be arranged TBA TBA
M1 LEC M 4:00 p.m.-6:00 p.m. G139 M Roy
LEC W 4:00 p.m.-7:00 p.m. G139 M Roy
CLN Days and times to be arranged TBA TBA
M2 LEC M 4:00 p.m.-6:00 p.m. G139 M Roy
LEC W 4:00 p.m.-7:00 p.m. G139 M Roy
CLN Days and times to be arranged TBA TBA

NUR-112 Nursing II 10 credits
This course builds upon the concepts introduced in Nursing I (NUR111). Students apply the nursing process within the framework of health restoration, health maintenance, and health promotion in the care of adults with medical/surgical and mental health problems. Students use critical thinking skills to meet the health care needs of the adult client. Students also learn beginning acute care nursing skills necessary to provide care to the whole person. Additional expenses may include supplies, equipment, and/or uniforms. Class meets: 5 hrs. lecture, 12 hrs. simulation lab, 12 hrs. clinical practice in selected health care facilities. Prerequisites: Anatomy/Physiology II/Lab (BIO204), Health Assessment and Basic Skills/Lab (NUR101), Nursing I (NUR111), and Principles of Psychology (PSY101).

01 LEC M 8:30 a.m.-11:00 a.m. G138 R Walwyn
LAB M 11:30 a.m.-2:30 p.m. G240 R Walwyn
CLN Days and times to be arranged TBA TBA
02 LEC M 8:30 a.m.-11:00 a.m. G138 R Walwyn
LAB W 11:30 a.m.-2:30 p.m. G240 R Walwyn
CLN Days and times to be arranged TBA TBA

NUR-211 Nursing III 9 credits
This course builds upon the concepts in NUR111, and NUR112 and includes the nurses role in health promotion, health restoration, and health maintenance for the childbearing family and childrearing family. Students use critical thinking skills in the application of the nursing process. The student provides nursing care to the childbearing family, and to children with physical and mental health problems. Additional expenses may include supplies, equipment, and/or uniforms. Class meets: 5 hrs. lecture, 12 hrs. clinical practice in selected health care facilities. Prerequisites: Microbiology/Lab (BIO205), Nursing II (NUR112), and Human Growth/Development (PSY113).

01 LEC T 8:30 a.m.-11:10 a.m. G227 D Westaway
CLN Days and times to be arranged TBA TBA
M1 LEC M 4:00 p.m.-6:00 p.m. G140 A Killiea
CLN Days and times to be arranged TBA TBA
S1 LEC S 8:00 a.m.-2:00 p.m. G139 D Megan
CLN Days and times to be arranged TBA TBA
M2 LEC M 4:00 p.m.-6:00 p.m. G139 R Love
CLN Days and times to be arranged TBA TBA

NUR-212 Nursing IV 9 credits
This course builds on all previous courses focusing on health promotion, health restoration, and health maintenance for persons with complex health problems. Students apply the principles of delegation and leadership in the clinical setting. Students integrate critical thinking skills in the application of the nursing process and in clinical decision-making. Clinical practice includes hospital/health care facilities/ community experiences, selected observations, and use of the computer lab. Course meets: 5 hrs. lecture; 12 hrs. clinical practice in selected health care facilities. Prerequisites: Nursing III (NUR211).

01 LEC M 10:00 a.m.-12:30 p.m. G227 M Folan
LEC T 10:00 a.m.-12:30 p.m. G138 M Folan
CLN Days and times to be arranged TBA TBA
M1 LEC M 4:00 p.m.-6:30 p.m. G138 R Love
CLN Days and times to be arranged TBA TBA

NUR-213 Nursing Seminar 1 credit
This seminar focuses on current health care issues and the ethical, legal, and professional framework necessary to provide nursing care as the student transitions from student nurse to beginning practitioner. The course utilizes a variety of learning activities that promote critical thinking. The course explores topics such as cultural competence, contemporary health care access, empowerment, and lifelong learning. Course meets: 1 hr. lecture. Prerequisite: Nursing III (NUR211).

01 LEC M 1:00 p.m.-1:50 p.m. G138 M Riordan
LEC TH 4:00 p.m.-7:30 p.m. G140 M Smith

PNP-111 Practical Nursing I 10 credits
This course provides the foundation for theory and practice of practical nursing. The concepts of optimal health, person, nurse, environment, and holistic nursing are introduced within the framework of health promotion, health restoration, and health maintenance. The student is introduced to critical thinking skills required for the practical nurse. The student learns and begins to apply the nursing process in the promotion of health for adult clients, using functional health patterns categories. The student is introduced to vocational trends and issues in the practical nursing field. Additional expenses may include supplies, equipment and uniforms. Course meets 6 hours of lecture/lab 1-2 days per week and 6 hours of clinical practice (in the college or in selected health care facilities) the same week. Co-requisites include: Drug Calculations (NUR100) and Principles of Psychology (PSY101). Prerequisite: acceptance into the Practical Nursing Certificate Program, Foundations of Algebra or placement testing (MAT997), College Writing (ENG111), Anatomy & Physiology/ Lab I (BIO203), Anatomy & Physiology/ Lab II (BIO204).

01 LEC W 9:00 a.m.-10:45 a.m. G140 TBA
LAB T 10:00 a.m.-2:00 p.m. G253 TBA
LAB F 9:00 a.m.-2:00 p.m. G243 TBA

OFFICE & INFORMATION MANAGEMENT

OIM-100 PC Keyboarding Techniques 1 credit
This is an introductory course in college keyboarding designed for students with little or no keyboarding proficiency as well as those looking to upgrade or maintain their skills. Learning how to type has never been more important. Using state-of-the-art, hands-on, self-paced software, students proceed from basic lessons through accuracy and speed-building exercises designed to improve their keyboarding proficiency. Taught through BHCC’s on-line eCollege, students submit hands-on progress reports to the course instructor as they proceed through each lesson. Upon completion of this course, students will gain the skill and knowledge necessary to type accurately based on one (1) minute timings at a minimum of 20 words per minute with one (1) error or less. For additional information and/or a course syllabus, contact CITDepartment@bhcc.mass.edu.

WBLI WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. L Bergmann
WBI WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. L Bergmann

OIM-101 Keyboarding: Document Generation I 3 credits
This course focuses on learning the keyboard and developing keyboarding technique, speed, and accuracy. It introduces students to environment and basic word processing skills, such as editing, saving, changing appearance, and proofreading. Students learn the correct format for basic business documents, such as resumes, letters and memos, and other reports to the course instructor as they proceed. Students will gain the skill and knowledge necessary to type accurately based on one (1) minute timings at a minimum of 20 words per minute with one (1) error or less. For additional information and/or a course syllabus, contact CITDepartment@bhcc.mass.edu.

OIM-102 Medical Computer Applications 3 credits
This course includes keyboarding instruction with an emphasis on proper technique, speed building, and proofreading. Students will gain the correct format for business letters, memorandums, business reports, and medical documents. Students use the Internet for e-mail and job searches. In addition, they create a resume, resume skills, and cover letter. Note: High School students or by permission of department chair.

70HB HYB W 10:00 a.m.-11:15 a.m. D19 D Khare-Nazam
92HYB T 11:30 a.m.-12:45 p.m. D19 B Steitz
S1 LEC S 9:00 a.m.-11:45 a.m. D19 B Steitz

COURSE DESCRIPTIONS & Section Listings

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team projects that include Internet research as well as a written and oral presentation on an issue related to medical office administration. Pre/co-requisite: Keyboarding: Document Generation I (OIM01).
70 LEC 8:00 a.m.-11:45 a.m. 207 C Jordan Class meets at the Chelsea campus

OIM-199 Office and Information Management: Technology on the Move 3 credits
Students explore career opportunities in medical, legal, and executive administration fields. This course includes critical thinking and teamwork projects to help students develop the ability to give and receive constructive criticism in a supportive environment. Students complete individual and team projects that use Internet research and library resources. Based on research related to office and information management, they develop written and oral presentation skills. Time management, learning, note-taking, and test-taking skills are emphasized. Security issues, legal and ethical issues, and cultural and business personnel will provide perspectives on how to succeed in academia and in the business world. Prerequisites: Writing Skills II (ENG095) or placement and Academic Reading (ESL098) or Reading Skills II (RDG095) or placement. Pre/co-requisite: Keyboarding: Document Generation I (OIM01). Co-requisite: Group Dynamics (PSY107). Note: This change will not affect PSY107 requirements.
01C LEC 10:30 a.m.-1:45 p.m. 419 D19 B Myers
01T LEC 3:00 p.m.-6:15 p.m. 419 D19 J Myers

OIM-200 Introduction to Physicians’ Billing 3 credits
This course presents the “revenue cycle” concept to students, which encompasses registration practices and the impact this process has on the billing function. The varied health care delivery systems and the history of the delivery of medical care are presented. The variety of prospective reimbursement systems on data collection, billing, and effective processes are defined and discussed. The principles of ICD and CPT coding, the management of data, and the constantly changing regulations of CMS and other external regulators is reviewed. Technicallities of managing all aspects of claims submission and denial are examined. The course is offered only in the evening. Pre/co-requisite: Medical Terminology (NPH180).
01 LEC 6:00 p.m.-8:45 p.m. 178 D19 J Pinkham

OIM-230 Administrative Business Communication 3 credits
This course covers written (letters, memos, fax, e-mail, reports, and resumes); verbal (listening, note-taking, telephone messages, voice mail, intercom discussions, and video conferencing); and nonverbal communications (transmission of attitude, facial expressions, hand gestures, and body language). To enhance these skills, students use Internet research to investigate topics related to the office administration field. It includes human relation skills, diversity, cultural sensitivity, and global awareness. This course is offered fall semester only. Pre/co-requisites: Completion of or concurrent with Records and Information Management (OIM06), Document Generation II (OIM10), Administrative Technology and Procedures (OIM15), and Business Correspondence and Editing (OIM130).
01 LEC 8:30 a.m.-9:45 a.m. 612 D120 J Custeine/Varam

PARALEGAL

PLG-101 Introduction to Law 3 credits
This course provides students with an understanding of the legal system, the role of the lawyer, and the processes that assist clients to become familiar with all aspects of the legal system. The course emphasizes the role of the paralegal and the way that role complements that of the lawyer. The course explores the role of law in our society, the judicial system, the role of the law in the administration of justice, and the impact that the paralegal profession has on society. Prerequisite: Writing Skills II (ENG095), Reading Skills II (RDG095) or Academic Reading III (ESL098) or placement.
01C LEC 9:00 a.m.-11:15 a.m. 300 H149 S Atlas Class meets at the new H building
01T LEC 7:00 p.m.-9:15 p.m. 417 B128 TBA

PLG-102 Legal Research/Writing 3 credits
This course covers an introduction to legal writing and proper use of legal terminology in developing and drafting a format for the legal memorandum, preparing briefs, and, in particular, formulating research skills. Prerequisite: Introduction to Law (PLG101).
01C LEC 9:00 a.m.-11:15 a.m. 120 W1 D217 TBA

PLG-103 Litigation 3 credits
This course is a core requirement of many law firms. Students will learn the rules and requirements necessary to provide effective litigation support in a law office environment. It includes the organization of both the federal and state courts, the preparation of pleadings, motions, interrogatories, judicial notice, preparation and admission of evidence, subpoenas, depositions and trial notebooks, interviewing clients, trial and appellate procedures, the rules of evidence, and the preparation of cases for hearing or trial. The roles of arbitration, mediation, and negotiation will also be covered. Prerequisite: Introduction to Law (PLG101).
01 LEC 7:20 p.m.-9:35 p.m. 419 H155 S Atlas Class meets at the new H building

PLG-104 Legal Ethics 3 credits
This course presents the major areas of legal ethics and the responsibilities and considerations that affect the rules affect paralegals. It aids students in understanding how the legal profession is regulated generally and the impact that paralegals conduct has on the lawyers who hire them. Through case studies specifically toward paralegals, demonstrations of the rules are introduced and applied. Prerequisite: Introduction to Law (PLG101).
01 LEC 7:00 p.m.-9:15 p.m. 420 B108 TBA

PLG-201 Family Law 3 credits
This course covers the laws concerning family relationships, marriage, cohabitation, adoption, divorce, child custody, support, alimony, and the effects of wills and probate. Prerequisite: Introduction to Law (PLG101).
01 LEC 7:10 a.m.-9:25 a.m. 300 H155 S Atlas Class meets at the new H building

PLG-202 Business Organizations 3 credits
Choosing the proper form of business organization can mean the difference between success and failure. Many attorneys are involved in advising their commercial clients regarding the appropriate form of business. This course covers the rules and requirements to establish sole proprietorships, partnerships, limited partnerships, limited liability companies, limited liability partnerships, corporations, limited liability partnerships, and joint ventures. Practical considerations include the preparation and management of the documents necessary for the organization and maintenance of each business entity. Corporate materials are reviewed, as are corporate characteristics, formation procedures, financial structure, meetings, dividends, share ownership, amendments, dissolution, and Massachusetts incorporation procedures. Prerequisite: Business Law I (BUS201).
01 M1 LEC 6:00 p.m.-8:45 p.m. 419 E140 TBA

PLG-203 Real Estate Law 3 credits
This course thoroughly investigates the theory and practice of real estate transactions from the perspectives of both the buyer and the seller. The topics include examination of titles, estates in land, restrictions, easements, covenants, options, deeds, mortgages, and foreclosure proceedings. Prerequisites: Writing Skills II (ENG095), Reading Skills II (RDG095) or Academic Reading III (ESL098) or placement.
01 LEC 7:00 a.m.-9:15 a.m. 419 B135B TBA

PLG-299 Paralegal Internship 3 credits
An internship in Paralegal Studies is a hands-on learning experience at law firms, public agency, corporation, or other law related organizations, under the direct supervision of a legal professional. It is intended to provide students the opportunity to gain practical experience in their field of study. Students perform 150 hours of supervised work at the agency designated by the academic advisor. Prerequisites: PLG101, PLG102, PLG103, PLG104.
hours of internship service over the course of 10-15 weeks, during the spring, fall, or summer semesters. Prerequisites: Completion of all PGII required courses.

PMT-101 Pharmaceutical Calculations 3 credits
This course develops a solid base in the principles of Ratio and Proportion Dosage Calculation. It includes applications and operations of ratios, proportions, fractions and decimals, percent in community pharmacy (compound preparation, dosage, refill, dispensing fee, co-pay, discount, gross and net profit, pricing, inventory control) and institutional pharmacy (parenteral doses, powdered drug preparation, dosage calculations based on weight and infusion, drip rates, dilutions, allegation, medical label). Prerequisite: Must have good arithmetic skills.

PHIL-101 Introduction to Philosophy 3 credits
This introductory course acquaints students with the philosophic method, the problems and living issues of philosophy, and the great philosophers. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) and Writing Skills II (ENG095), or exemption by placement testing.

PHIL-103 Ethics 3 credits
This course covers the major philosophical issues in normative ethics and moral philosophy. It covers discussions regarding philosophical views about what is right and wrong, and the applications to the individual and society. This course emphasizes contemporary problems, issues, and value conflicts. Grade of C or better in Academic Reading III (ESL098) or Reading Skills III (RDG090) or Reading Skills I (RDG090) and Writing Skills I (ENG095), or exemption by placement testing.

PHIL-111 World Religions 3 credits
This course analyzes the beliefs and practices of major world religions, including Hinduism, Buddhism, Judaism, Christianity, and Islam. Through study of these religions, students compare the beliefs of various traditions and understand their values in an historical context. The course meets General Education “World View” Requirement Area 3. Prerequisites: Grade of C or better in Academic Reading III (ESL098) or Reading Skills II (RDG095) and Writing Skills II (ENG095), or exemption by placement testing.

PMT-111 Pharmacy Practice I 3 credits
This course is designed to give the student practical experience in the pharmacy setting. The practicum and seminar are problem solving group discussion and to prepare the student to apply and compete for work. Prerequisites: Writing Skills II (ENG095) or placement.

PMT-112 Pharmacy Practice II 3 credits
This course provides the student with the knowledge to be able to begin participation in prescription, order processing in the pharmacy. This course includes an introduction to drug formulation, pharmacy operations, third party billing and inventory control that are essential to working in a pharmacy. A general introduction to hospital pharmacy and drug action will be provided. Prerequisite: Pharmacy Practice for Pharmacy Technicians I (PMT111).

PMT-113 Pharmacy Practice III 3 credits
This course provides the student with a basic introduction to the pharmacology of drugs in common use. The course will be taught by examining body systems, e.g. gastrointestinal, and will include discussion of the drugs commonly used in treating diseases affecting the system. Drugs will be discussed by grouping them into general classes and with important differences among group members being highlighted. The dosage, routes of administration, generic and trade names, common adverse reactions and important drug interactions will be emphasized. Calculation of patient dosage and patient days supply will be used when appropriate. Prerequisite: Pharmacy Practice for Pharmacy Technicians II (PMT112).

PMT-299 Pharmacy Practice IV/Seminar 4 credits
This course combines group discussion in a seminar setting with an internship program based in a live pharmacy practice. The practicum and seminar are designed to give the student practical experience in the basic roles the technician fulfills in the pharmacy and to complete their preparation for the transition to the workplace. The experience component encompasses the services to the pharmacy associated with the identification and prescription processing role. The shared learning experience in the weekly seminar will be used as a problem solving group discussion and to prepare the student to apply and compete for work. Prerequisites: Writing Skills II (ENG095) or placement.

PRNG-100 Microbiology 3 credits
This course is designed to give the student practical experience in the pharmacy setting. The practicum and seminar are problem solving group discussion and to prepare the student to apply and compete for work. Prerequisites: Writing Skills II (ENG095) or placement.

PHR-100 Health Information Management 3 credits
This course describes the roles of the technician fulfilling in the pharmacy setting. The practicum and seminar are problem solving group discussion and to prepare the student to apply and compete for work. Prerequisites: Writing Skills II (ENG095) or placement.

PHR-101 Introduction to Pharmacy 3 credits
This course covers the major philosophical issues in normative ethics and moral philosophy. It covers discussions regarding philosophical views about what is right and wrong, and the applications to the individual and society. This course emphasizes contemporary problems, issues, and value conflicts. Grade of C or better in Academic Reading III (ESL098) or Reading Skills III (RDG090) or Reading Skills I (RDG090) and Writing Skills I (ENG095), or exemption by placement testing.

PHR-102 Understanding Pharmacy 3 credits
This course is designed to give the student practical experience in the pharmacy setting. The practicum and seminar are problem solving group discussion and to prepare the student to apply and compete for work. Prerequisites: Writing Skills II (ENG095) or placement.

PSY-101 Principles of Psychology 3 credits
This introductory psychology course covers a survey of information and theory. Topics include the brain and behavior, research methods, learning, consciousness, motivation, emotion, human growth and development, personality, abnormal behavior, and psychotherapy, social cognition and understanding, General Education “Individual and Society” Requirement Area 2. Prerequisite: Academic Reading III (ESL098) or Reading Skills II (RDG095) or co-enrollment in integrated courses, or exemption by placement testing.
Prerequisite: Grade of C or better in Principles of Psychology (PSY101) or permission of instructor.

PSY-203 Psychology of Personal Adjustment 3 credits
This course explores the development and expression of the personality through an examination of processes by which the self-concept is formed. The course surveys the theories of behavioral scientists that have contributed to the study of adjustment. Scientific study of the effects of stress and stress management techniques are included in this curriculum. The course prepares students for advanced study in psychology and places emphasis on critical thinking skills, especially as applied to scientific research. Prerequisite: Grade of C or better in Principles of Psychology (PSY101) or permission of instructor.

01 LE M W 09:30 a.m.-10:45 a.m. H147 TBA
02 WE For username and password, go to www.bhcc.mass.edu/mycourseaccess. S. Starr

PSY-209 Child Psychology 3 credits
This course examines the normal physical, cognitive and socio-emotional development of children from conception to age twelve. This course is to be used for meeting the requirements of the A.A. Psychology Concentration or for use in other programs. However, this course may not be used to meet program requirements for degrees or certificates in the ECDiv, EDO, or HV programs. Students may not receive credit for both PSY-209 and ECDiv 105 to meet requirements for degrees or certificates for college graduation. Prerequisite: Grade of C or better in Principles of Psychology (PSY101).

01 LE M, W 10:00 a.m.-11:15 a.m. D218 M. Puente
02 LE F, S 8:30 a.m.-11:15 a.m. H147 E. Kelllogg
03 LE F, S 2:30 p.m.-5:10 p.m. H147 TBA

PSY-215 Counseling 3 credits
This course explores theories and practices in the helping professions. The course introduces students to theoretical approaches to counseling, and provides practical exercises in counseling. This course is restricted to those students enrolled in the Human Services, Social Work, Early Childhood, Psychology, or Sociology programs or by permission of the department chair of Education, Early Childhood, and Human Services or the department chair of Behavioral Sciences. Prerequisite: Grade of C or better in Principles of Psychology (PSY101).

01 LE M, W 10:00 a.m.-11:15 a.m. B135A T. Cao
02 LE F, S 6:00 p.m.-8:45 p.m. B104 J. Williams
03 LE F, S 2:30 p.m.-5:10 p.m. H147 TBA

PSY-219 Social Psychology 3 credits
This course covers the complex interrelationship between the individual, small groups, and the greater society. Topics include attitude formation and change, social conformity, obedience, prosocial behavior, and cooperation versus competition and aggression. Prerequisite: Grade of C or better in Principles of Psychology (PSY101).

01 LE M, W 8:30-9:45 a.m. H147 S. Dottin
02 LE T, H 2:30 p.m.-4:35 p.m. H147 S. Dottin
03 LE F 2:30 p.m.-5:10 p.m. H147 TBA

PSY-223 Personality 3 credits
This course covers distinctive patterns of behavior, including the thoughts and emotions that characterize individuals' adaptation to life. It examines four major approaches: the study of personality: psychoanalytic, behavioral, trait dispositional, and humanistic. Students study varying degrees of emphasis on processes or forces impinging on individuals' interaction with their environment. Prerequisite: Principles of Psychology (PSY101).

01 LE T, H 8:00 a.m.-9:15 a.m. H165 J. Lambrecht
02 LE M, W 12:00 p.m.-1:15 p.m. H165 TBA
03 LE F 1:30 p.m.-2:45 p.m. H165 TBA

PSY-224 Adolescent/Adult Development 3 credits
In this course, students study adolescents and adults in the areas of physical, intellectual and social changes, and their emotional growth and development during life stages of adolescence and adulthood. Prerequisite: Grade of C or better in Principles of Psychology (PSY101) or permission of instructor.

01 LE T, H 11:30 a.m.-12:45 p.m. B127 D. Mullin
02 LE M, W 10:00 a.m.-11:15 a.m. B104 TBA
03 LE F 1:30 p.m.-2:45 p.m. B104 TBA

PSY-227 Abnormal Psychology 3 credits
This advanced course for the serious student of psychology covers the history of mental illness and its treatment, modern classification, diagnosis, the theoretical causes of disorders, and treatments. The range of psychopathology extends from the disorder-free person to adjustment reactions, anxiety disorders, personality disorders, and borderline disorders, to psychosis and major disorders. Prerequisite: Grade of C or better in Principles of Psychology (PSY101) or permission of instructor.

01 LE T, H 10:00 a.m.-11:15 a.m. B104 T. Sabatowska
02 LE F 12:00 p.m.-1:15 p.m. B104 TBA
03 LE M, W 10:00 a.m.-11:15 a.m. B104 TBA

PSY-235 Introduction to Behavioral Research 3 credits
This course is an introduction to the ways of discovering, describing, and making warranted assertions about aspects of people and social life. The chief objectives are 1) to help students develop the skills and knowledge necessary to become intelligent critics of research in the behavioral and social sciences, and 2) to give them a rudimentary understanding of the design and evaluation of scientific research. Statistical material is treated in a conceptual manner. Prerequisite: Principles of Psychology (PSY101).

01 LE T, H 10:00 a.m.-11:15 a.m. B106 J. Mullin
02 LE M, W 11:30 a.m.-12:45 p.m. H147 TBA
03 LE T, H 6:30 p.m.-7:45 p.m. H120 TBA

WE For username and password, go to www.bhcc.mass.edu/mycourseaccess. M. Puente

W1 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M. Puente

W2 WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. M. Puente
READING
RDG-090 Reading Skills I 3 credits
This course develops basic reading skills necessary for success with college level material. The course will focus on improving comprehension and vocabulary. In particular, students will improve their ability to recognize and articulate main ideas, supporting details, and patterns of organization. Students will also improve vocabulary skills using context clues and the dictionary.

RDG-095 Reading Skills II 3 credits
This course develops advanced reading skills necessary for success with college level material. The course will focus on achieving college level comprehension skills and vocabulary. In particular, students will recognize and articulate main ideas, supporting details, and patterns of organization. Students will develop critical reading and thinking skills and improve vocabulary. In addition, students will improve note-taking and test-taking skills. Note: Students must meet exit-level requirements or pass a departmental reading final in order to earn a passing grade of C in this course.

RESEARCH

READINESS

RTH-101 Principles of Respiratory Therapy I 4 credits
This course introduces students to the profession of Respiratory Therapy. Course content includes: communication in the healthcare setting, patient safety, charting, and written communication. Students will learn ethical and legal implications of the practice of respiratory therapy, decision-making protocols, applied anatomy and physiology as well as gas exchange and transport. Prerequisite: Admission to the Respiratory Therapy Program. Co-requisites: Modalities of Respiratory Therapy I (RTH111) and Clinical Practice in Respiratory Therapy I (RTH121).

RTH-111 Modalities/Respiratory Therapy 2 credits
This course introduces students to diagnostic and therapeutic modalities used in Respiratory Therapy. Students study the equipment and techniques related to drugs used in relation to the practice of Respiratory Therapy. Course content includes: lung expansion therapy, emergency ventilation, and bronchial hygiene therapy. Course meets: 1 hr lecture, 2 hrs lab. Prerequisite: Admission to the Respiratory Therapy Program. Co-requisites: Principles of Respiratory Therapy I (RTH101) and Clinical Practice in Respiratory Therapy I (RTH121).

RTH-121 Clinical Practice/Respiratory Therapy I 2 credits
This course introduces students to the hospital environment and the practice of Respiratory Therapy. Students employ infection control techniques, use the medical record, communicate with the health care team, perform lung expansion and bronchial hygiene therapies, and apply respiratory care protocols. Course meets 8 hrs. clinical practice in selected health care facilities. Prerequisite: Admission to the Respiratory Therapy Program. Co-requisites: Principles of Respiratory Therapy I (RTH101) and Modalities of Respiratory Therapy I (RTH111).

RTH-132 Respiratory Therapy II 1 credit
This course introduces students to the principles of pharmacology, the anatomy and physiology of the autonomic nervous system, and the major classifications of drugs used in the practice of Respiratory Therapy, including bronchodilators, muscarinic agents, inhaled corticosteroids, non-steroidal anti-inflammation drugs, allergens, antiviral, and anti-microbial agents. Course meets 1 hr lecture. Prerequisite: Admission to the Respiratory Therapy Program.

RTH-201 Principles of Respiratory Therapy III 4 credits
This course continues introduces students to acute and critical care, with a particular focus on the critically ill patient. Course content includes: understanding of acute and chronic respiratory failure, principles of airway management, mechanical ventilation and its affect on various systems of the body, monitoring the ICU patient, and current techniques for the discontinuation of mechanical ventilatory support. The use of evidence-based approach will be emphasized. Course meets 4 hrs lecture/ lab. Prerequisites: Principles of Respiratory Therapy II (RTH102), Modalities of Respiratory Therapy II (RTH112), Clinical Practice in Respiratory Therapy II (RTH122). Co-requisites: Respiratory Therapy Program. Co-requisites: Respiratory Therapy III (RTH201), Clinical Practice in Respiratory Therapy III (RTH220) and Cardiopulmonary Disease (RTH232).

RTH-221 Clinical Practice in Respiratory Therapy 4 credits
This course introduces students to the hospital III critical care environment. Students will perform techniques and procedures related to patient assessment, airway management and mechanical ventilatory support. Students will demonstrate competence in the provision of invasive and non-invasive ventilation, as well as the proper technique for monitoring the critically ill patient. Course meets: 16 hrs clinical practice in selected health care facilities. Prerequisite: Principles of Respiratory Therapy II (RTH102), Modalities of Respiratory Therapy II (RTH112), Clinical Practice of Respiratory Therapy II (RTH122). Co-requisites: Principles of Respiratory Therapy III (RTH201), Modalities of Respiratory Therapy III (RTH211), and Cardiopulmonary Disease (RTH232).

RTH-232 Cardiopulmonary Disease 2 credits
This course is designed to provide the students with the basic knowledge and understanding that is essential to assess and plan treatment for patients with respiratory-related diseases. Case study discussion and practice will be emphasized. Course meets: 2 hrs lecture. Prerequisites: Cardiopulmonary Physiology (RTH134). 

SCIENCE

AST-102 Astronomy/Lab 4 credits
This course covers an introductory study of basic astronomy, including the planets, the apparent motions of celestial objects, the seasons, constellations, comets and meteors, stars, galaxies, and the large-scale structure of the universe. The course also current events in space exploration. The course meets General Education “Science and Technology” Requirement Area 5. Course meets: 5 hrs lecture; 15 hrs lab. Prerequisites: Writing Skills II (ENG095) and a grade of C or better in Foundations of Algebra (MAT097) or placement equivalency.

BIOL-105 Introduction to Biology 4 credits
This course will investigate the major biological concepts that connect all forms of life and is designed for students with little or no background in science. Topics will include the process of scientific inquiry, the cell as the basic unit of life, metabolism, cellular reproduction, genetics, evolutionary theory and principles of ecology. Laboratory work will introduce students to the basic investigative techniques used to study life's processes. There will be no animal dissection in this course. This course will satisfy the General Education "Science
& Technology Area 5 requirement for all programs and may be used to satisfy the biology prerequisite for Anatomy and Physiology I (BIO101) and 2. This course will not satisfy the general biology requirement of the Associate in Science: Biological Science program. Prerequisites: Writing Skills II (ENG095), a grade of C or better in Foundations of Mathematics (MAT095), and Reading Skills II (RDG095) or placement equivalent.

**BIO 111 -- Food and Nutrition** 3 credits

This course covers a study of plant and animal sources of human food, their nutritional values, and how they are utilized by the body in health and disease. Topics include the selection of an adequate diet, evaluation of nutrition status, nutrition in pregnancy and lactation, nutrition in infancy and in aging, weight control, and diseases related to diet, including an analysis of nutrition-related health problems. The department recommends this course for students in Allied Health programs. The course is offered in the Center for Self-Directed Learning.

**BIO 115 -- Nutrition Science/Lab** 4 credits

This course covers a study of plant and animal sources of human food, their nutritional values, and the way they are utilized by the body in health and disease. Topics include chemistry and biology of food, personal nutrition evaluation, nutrition-related health problems, and global food and nutrition issues. Laboratory exercises introduce students to the diagnostic procedures used by nutritionists and to reinforce learning of nutritional theory. A background in biology or chemistry is not required. The course meets General Education “Science and Technology” Requirement Area 5. Course meets 3 hrs. lecture, 1.5 hrs. lab. Note: May be used as a prerequisite for Anatomy & Physiology I (BIO203). Prerequisites: Writing Skills II (ENG095), a grade of C or better in Foundations of Mathematics (MAT095), and Reading Skills II (RDG095) or placement equivalent.

**BIO 108--Human Biology/Lab** 4 credits

This course is designed to introduce students pursuing careers in the health fields to the structure and function of the human body. It is intended to help students with a limited scientific background grasp the fundamental concepts of biology as well as human anatomy and physiology. Pathophysiology, genetics and relevant clinical aspects are discussed with each system so that students can develop critical learning skills. This course does not substitute for programs that require BIO203 and BIO204. Open to all students and satisfies General Education “Science and Technology” Requirement Area 5, Course meets 3 hrs. lecture, 1.5 hrs. lab. Note: May be used as a prerequisite for Anatomy & Physiology I (BIO203). Prerequisites: Writing Skills II (ENG095), a grade of C or better in Foundations of Mathematics (MAT095), and Reading Skills II (RDG095) or placement equivalent.

**BIO 120 -- Introduction to Biotechnology** 4 credits

This course offers an introduction to biotechnology designed for students in all programs of study. General principles of biology, their implications in biotechnology and the concepts and work practices of the biotechnology industry will be presented. The medical, social, political, and ethical implications of recombinant DNA technology and the Human Genome Project will be discussed. Career opportunities in biotechnology will also be presented. Students will be introduced to basic investigative techniques and procedures used in Biotechnology research. Labs are designed to reinforce lecture content. This course meets General Education “Science and Technology” Requirement Area 5. Course meets 3 hrs. lecture, 1.5 hrs. lab. Prerequisites: Writing Skills II (ENG095), Foundations of Mathematics (MAT095), and Reading Skills II (RDG095) or placement equivalent.

**BIO 195 -- Gen Biology I/Lab** 4 credits

This course will examine the cell as the basic unit of life. Topics will include cell chemistry, cell structure and function, metabolism, cellular respiration, photosynthesis, and cell division. The course will conclude with an examination of the genetic and chromosomal basis of inheritance. Laboratory work will provide students with the basic skills necessary to work in advanced biology laboratory courses. This is the first required biology course in the AS Biological Science program. Students planning to enroll in a health science program should enroll in Principles of Biology I/Lab (BIO101) or Human Biology I (BIO105). This course meets General Education Science and Technology Requirement Area 5. Prerequisites: Writing Skills II (ENG095) and Reading Skills II (RDG095) or placement equivalent. A grade of C or better in College Algebra-STEM (MAT194).
microbial cultivation and growth characteristics, staining and bacterial isolation techniques, differential biological traits, identification of unknown bacterial species, and testing effectiveness of antimicrobial agents. Course meets 3 hrs lecture and 3 hrs lab. Prerequisite: Anatomy and Physiology I/Lab (BIO205) or General Biology I/Lab (BIO195) or admission to the Nursing Program.

1. Areas of study will include the endocrine system, the cardiovascular system, lymphatic and immune systems, reproductive system. Laboratory activities will facilitate an understanding of basic scientific field topics related to: distribution and abundance of species; statistical analysis, computer simulation, and formal regression. Course meets 3 hrs lecture and 3 hrs lab. Prerequisites: Writing Skills II (ENG095), Reading Skills (ENG096) and a grade of C or better in General Chemistry I/Lab (CHM201) or permission of the science and engineering department.

2. Laboratory work will introduce students to basic concepts related to: distribution and abundance of species; statistical analysis, computer simulation, and formal regression. Course meets: 3 hrs. lecture, 4 hrs. lab. Prerequisites: Calculus I (MAT281) and a grade of C or better in General Chemistry I/Lab (CHM201). Co-requisite: Calculus II (MAT282).

3. This course offers a broad understanding of classical, molecular and evolutionary genetics. Highlighted topics will include the molecular and chromosomal basis of inheritance, extranuclear inheritance, gene mapping and analysis, comparison of gene expression in prokaryotes and eukaryotes, Chi square analysis, probability theory, DNA mutation and repair, genetics of cancer, population and human genetics. Experimental work will focus on the theory and application of current techniques in genetics. Prerequisite: A grade of C or better in General Biology II/Lab (BIO196) or permission of science and engineering department.

4. This course is designed to give students an overview of the science of population biology. The course covers topics related to: distribution and abundance of species; mathematical models of logistic and exponential growth; the application of the Hardy-Weinberg principle to describe changes in gene frequencies via natural selection or other processes on populations; life-history strategies, inter specific interactions; population regulation and sustainable ecosystems; and human impact on the sustainability of wild populations. Laboratory activities include basic field techniques for collection and estimation of populations, basic statistical techniques, laboratory computer simulation, and formal lab exercises. Lab experiments are designed to facilitate an understanding of basic scientific field research and principles of population ecology. This course is designed for advanced science students and may be taken as an elective for the general biology major program. Prerequisite: General Biology II/Lab (BIO196) or permission of the science and engineering department.

5. This course will focus on recombinant DNA technology, genetically engineered organisms, sequencing, gene expression in prokaryotes and eukaryotes, protein expression and analysis, and genomics. Advanced topics will include Bioinformatics, Protein engineering, RNA interference and biological products as therapeutic agents. Laboratory activities will emphasize proper laboratory protocol and documentation, inquiry-based investigations, formal laboratory report writing, and standard laboratory skills used in biotechnology research. The course will also focus on career opportunities and hiring trends in the biotechnology industry. Students will be required to work on their job readiness skills. Upon completion of this course, students will be qualified for entry level employment or internships in the biotechnology field. Course meets: 3 hrs. lecture, 4 hrs. lab. Prerequisites: grade of C or better in Introduction to Biotechnology (BIO120), Cell Biology and Lab (BIO207) and Genetics and Lab (BIO208) or department approval.

6. This is a first course in Biomedical Engineering (BME), this course introduces students to preliminary Biomedical Engineering topics. Topics include: the BME profession, ethics, computers and technology, static biomechanics, rehabilitation engineering, static bioinstrumentation, biosensors, biosignal processing, and models of neurons. MATLAB is used for case in problem solving. Laboratory involves using a virtual instrument (Biopac) to record and analyze signals from the body. Course meets: 3 hrs. lecture, 2 hrs. laboratory. Prerequisites: Grade of C or better in Calculus I (MAT211) and a grade of C or better in General Chemistry I/Lab (CHM201). Co-requisite: Calculus II (MAT282).

7. This course is an introduction to the basic concepts of inorganic chemistry. Topics include measurement theory, methods of scientific investigation, atomic theory, nuclear radiation, compound formation, chemical nomenclature, chemical reactions, the mole concept, solution chemistry, acid-base chemistry, and the relevance of chemistry in health professions. Laboratory work will introduce students to basic laboratory techniques, safety regulations, and chemical hygiene. This course does not satisfy the chemistry requirement of the AS Biological Sciences or AS Engineering programs or the AA Chemistry/Physics concentrations. Course meets 3 hrs. lecture; 5 hrs. lab. Prerequisites: Writing Skills II (ENGL095), Reading Skills II (RDG095), and Foundations of Algebra (MAT097) or Department equivalents.

8. This course is designed to give students an overview of the science of population biology. The course covers topics related to: distribution and abundance of species; mathematical models of logistic and exponential growth; the application of the Hardy-Weinberg principle to describe changes in gene frequencies via natural selection or other processes on populations; life-history strategies, inter specific interactions; population regulation and sustainable ecosystems; and human impact on the sustainability of wild populations. Laboratory activities include basic field techniques for collection and estimation of populations, basic statistical techniques, laboratory computer simulation, and formal lab exercises. Lab experiments are designed to facilitate an understanding of basic scientific field research and principles of population ecology. This course is designed for advanced science students and may be taken as an elective for the general biology major program. Prerequisite: General Biology II/Lab (BIO196) or permission of the science and engineering department.

9. This canpstopecourse presents the major concepts of molecular biology and their relationship to the field of biotechnology. The course will focus on recombinant DNA technology, genetically engineered organisms, sequencing, gene expression in prokaryotes and eukaryotes, protein expression and analysis, and genomics. Advanced topics will include Bioinformatics, Protein engineering, RNA interference and biological products as therapeutic agents. Laboratory activities will emphasize proper laboratory protocol and documentation, inquiry-based investigations, formal laboratory report writing, and standard laboratory skills used in biotechnology research. The course will also focus on career opportunities and hiring trends in the biotechnology industry. Students will be required to work on their job readiness skills. Upon completion of this course, students will be qualified for entry level employment or internships in the biotechnology field. Course meets: 3 hrs. lecture, 4 hrs. lab. Prerequisites: grade of C or better in Introduction to Biotechnology (BIO120), Cell Biology and Lab (BIO207) and Genetics and Lab (BIO208) or department approval.

10. This is a first course in Biomedical Engineering (BME), this course introduces students to preliminary Biomedical Engineering topics. Topics include: the BME profession, ethics, computers and technology, static biomechanics, rehabilitation engineering, static bioinstrumentation, biosensors, biosignal processing, and models of neurons. MATLAB is used for case in problem solving. Laboratory involves using a virtual instrument (Biopac) to record and analyze signals from the body. Course meets: 3 hrs. lecture, 2 hrs. laboratory. Prerequisites: Grade of C or better in Calculus I (MAT211) and a grade of C or better in General Chemistry I/Lab (CHM201). Co-requisite: Calculus II (MAT282).

11. This course is an introduction to the basic concepts of inorganic chemistry. Topics include measurement theory, methods of scientific investigation, atomic theory, nuclear radiation, compound formation, chemical nomenclature, chemical reactions, the mole concept, solution chemistry, acid-base chemistry, and the relevance of chemistry in health professions. Laboratory work will introduce students to basic laboratory techniques, safety regulations, and chemical hygiene. This course does not satisfy the chemistry requirement of the AS Biological Sciences or AS Engineering programs or the AA Chemistry/Physics concentrations. Course meets 3 hrs. lecture; 5 hrs. lab. Prerequisites: Writing Skills II (ENGL095), Reading Skills II (RDG095), and Foundations of Algebra (MAT097) or Department equivalents.
**CHM-121  Principles of Organic & Biochemistry/Lab  4 credits**

This course introduces students to organic and biochemistry. The naming and reactivity patterns of common organic functional groups will be presented. A study of biochemistry will introduce students to the chemical structures and reactions of lipids, carbohydrates, proteins, and nucleic acids and their role in metabolism. The standard length three hour laboratory session will serve to reinforce the concepts discussed during lectures and will provide students with practical experience in organic synthesis reactions and organic compound identification methods. This course does not satisfy the Organic Chemistry requirement of the AA Chemistry Concentration. Prerequisites: Grade of C or better in Chemical Science I & Lab (CHM110) or Principles of Inorganic Chemistry & Lab (CHM120).

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<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
<th>M 11:30 a.m.-12:45 p.m.</th>
<th>B329</th>
<th>K Atkinson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>T 12:30 p.m.-1:45 p.m.</td>
<td>B329</td>
<td>K Atkinson</td>
</tr>
</tbody>
</table>

**CHM-251  Organic Chemistry I and Lab  4 credits**

This course is an introduction to organic chemistry, including nomenclature, molecular structure and functional groups. Topics include the reactivity and properties of saturated and unsaturated hydrocarbons, stereochemical relationships and nucleophilic substitution and elimination reactions. Mechanisms are presented as a unifying principle for these reactions. Students are required to purchase approved safety goggles. Course meets: 3 hours lecture; 3 hours lab. Prerequisites: Grade of C or better in General Chemistry II and lab (CHM202) and a grade of C or better in College Writing II (ENG112).

<table>
<thead>
<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
<th>T 7:30 p.m.-9:45 p.m.</th>
<th>B316</th>
<th>G Griffin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>T 9:00 a.m.-11:15 a.m.</td>
<td>D314</td>
<td>K Atkinson</td>
</tr>
</tbody>
</table>

**CHM-252  Organic Chemistry II/Lab  4 credits**

This course is a continuation of Organic Chemistry I and Lab (CHM251). Topics include aromatic substitution reactions, carbonyl addition reactions, acid derivatives, amines, and carbohydrates. Both the laboratory and lecture portions of the course apply instrument methods for the structure and analysis of organic compounds. Students are required to purchase approved safety goggles. Course meets: 3 hours lecture; 3 hours lab. Prerequisites: Grade of C or better in General Chemistry I and lab (CHM201).

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<thead>
<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
<th>M 1:00 p.m.-2:15 p.m.</th>
<th>D316</th>
<th>K Atkinson</th>
</tr>
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<tbody>
<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>W 1:00 p.m.-2:15 p.m.</td>
<td>B216</td>
<td>K Atkinson</td>
</tr>
</tbody>
</table>

**ENR-101  Introduction to Engineering  4 credits**

This course provides an overview of the engineering profession. Topics to be discussed include fields of study within engineering; the engineering profession, including engineering ethics; and engineering design and problem-solving. Emphasis is on team-building and teamwork approach to engineering projects. Course meets 3 hrs. lecture - 3 hrs. lab. Pre/co-requisite: Grade of C or better in College Algebra for STEM (MAT194).

<table>
<thead>
<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
<th>T 8:30 a.m.-11:15 a.m.</th>
<th>B329</th>
<th>G Griffin</th>
</tr>
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<tbody>
<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>T 9:00 a.m.-11:15 a.m.</td>
<td>G Field</td>
<td>F Field</td>
</tr>
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</table>

**ENR-505  Computer-Aided Design  4 credits**

This course will introduce students to the use of computer software for creating engineering drawings and designing mechanical designs. Students will use the AUTOCAD software package and learn standard dimensions and views for engineering drawings, replicate standard geometrical models using AUTOCAD commands for the structural, 2D and 3D engineering designs and projects. Pre/ co-requisite: Intro to Engineering (ENR101) course meets at Somerville High School.

<table>
<thead>
<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
<th>M 1:00 p.m.-2:15 p.m.</th>
<th>B216</th>
<th>J Levine</th>
</tr>
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<tbody>
<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>W 1:00 p.m.-2:15 p.m.</td>
<td>B216</td>
<td>J Levine</td>
</tr>
</tbody>
</table>

**ENV-105  Environmental Science I/Lab  4 credits**

This course covers an introduction to the physical and biological structure of the natural environment within a global perspective. The critical emphasis is on the physical and global perspective on the study of natural systems and the impacts of human society on these systems. Topics include: ecosystem dynamics, international conservation, biodiversity, evolution and adaptation, population dynamics, climate, and the role of science and technology in business and society, and sustaining ecosystems and wildlife. Laboratory work demonstrates both a local and formal report writing skills. The department recommends this course for A.S. degree students as the General Education “Science and Technology” Requirement Area 5. Course meets 5 hrs. lecture; 1.5 hrs. lab. Prerequisites: Writing Skills II (ENG095), a grade of C or better in Foundations of Mathematics (MAT093), and Reading Skills II (RDG095) or placement.

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<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
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<th>D316</th>
<th>K Frashure</th>
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<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>T 9:00 a.m.-11:15 a.m.</td>
<td>D022</td>
<td>K Frashure</td>
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**ENV-106  Environmental Science II/Lab  4 credits**

This course examines the global and local impact of energy upon the environment. Students investigate both destructive and constructive elements of human action within the natural environment. Also, students learn the role of science and technology in the environment and society; including: air and water pollution; toxicity; ozone depletion; global warming; hazardous waste; the role of science and technology in business and society; and renewable and nonrenewable energy resources. Laboratory work develops students' critical thinking skills and formal report writing skills. Course meets 3 hrs. lecture; 1.5 hrs. lab. Pre/co-requisite: Writing Skills II (ENG095), a grade of C or better in Fundamentals of Math (MAT091) or placement and Academic Reading III (ESL098) or Reading Skills II (RDG095), or placement.

<table>
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<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
<th>W 8:30 a.m.-9:45 a.m.</th>
<th>D301</th>
<th>S Benjamin</th>
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<tbody>
<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>T 8:30 a.m.-11:15 a.m.</td>
<td>D022</td>
<td>S Benjamin</td>
</tr>
</tbody>
</table>

**ENV-110  Sustainability & Resource Conservation/Lab  4 credits**

This course is an introduction to fundamental concepts of sustainability and resource conservation as related to the human environment. Through lectures, laboratories and dialogue, students develop literacy in sustainability topics found in local, regional and global spheres and study a collaborative approach to reducing ecological impact of individuals and organizations. The course provides an opportunity for in-depth exploration of three topics related to sustainability: energy and conservation, renewable energy sources and climate action planning. Assigned readings illustrate the impact of resource conservation on the quality of life. Laboratory work demonstrates concepts such as heat transfer principles and technologies such as solar, wind and fuel cells. Assignments support the College’s pursuit of climate neutrality. This course meets the General Education Requirement Area 1. 5 Course meets 3 hours lecture; 1.5 hrs lecture. Prerequisites: Foundations of Algebra (MAT097), Writing Skills II (ENG095), Reading Skills II (RDG095), or placement equivalency.

<table>
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<tr>
<th>Lecture</th>
<th>01</th>
<th>LEC</th>
<th>M 8:00 a.m.-11:15 a.m.</th>
<th>H232</th>
<th>K Reichert</th>
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<tr>
<td>Lab</td>
<td>01</td>
<td>LAB</td>
<td>M 10:00 a.m.-12:45 p.m.</td>
<td>H152</td>
<td>K Reichert</td>
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</table>

**W8 WEB** For username and password, go to www.bhcc.mass.edu/mycourseaccess.
This introductory course covers the principles of physics, using a problem-solving approach. Laws of motion, forces, work, energy, momentum, and harmonic motion will be covered. For the biology student this course will provide him or her with an enhanced understanding of the physical aspects of living systems. Laboratory work will be used to develop an understanding of physical concepts and promote the development of problem solving skills. This course satisfies the physics requirement of the AS Biological Science program. This course does not satisfy the physics requirement of the AA Chemistry Science or Physics/Engineering concentrations or the AS Engineering program. Prerequisite: Grade of C or better in Precalculus (MAT197).

01 LEC T 11:30 a.m.-12:45 p.m. B335 J Schlesinger
LAB M 11:30 a.m.-12:30 p.m. B335 J Schlesinger
M1 LEC M 6:00 p.m.-8:15 p.m. B335 J Schlesinger
LAB W 6:00 p.m.-8:15 p.m. B335 J Schlesbian
F1H HYB F 6:00 p.m.-8:30 p.m. TBA

PHY-251 College Physics II/Lab 4 credits
This course is an introduction to some of the fundamental principles and concepts of physics, using a problem-solving approach. The topics considered include the basic equations of motion, Newton's laws and their applications, work, energy, momentum, rotational kinematics and dynamics, conservation laws, laws of universal gravitation, and simple harmonic and oscillatory systems. 5 hrs. lecture and 3 hrs. lab. Prerequisite: Grade of C or better in Calculus I (MAT281).

01 LEC M 10:00 a.m.-11:15 a.m. B335 A Bhuyan
LAB W 1:00 p.m.-3:30 p.m. B335 A Bhuyan
02 LEC M 8:30 a.m.-11:15 a.m. B335 TBA
LAB F 8:30 a.m.-11:00 a.m. B335 TBA
03 LEC M 3:30 p.m.-5:45 p.m. B335 TBA
LAB T 1:30 p.m.-4:45 p.m. TBA

PHY-252 College Physics II/Lab 4 credits
In the first half of the course, this continuation of College Physics I (PHY251) covers the following topics: basic topics in electricity and magnetism, electromagnetic radiation, the nature of light, and optics. In the second half, the course covers an introduction to some basic ideas in modern physics. It also covers the additional topics: atomic structure, quantization, and nuclear physics. Course meets: 5 hrs. lecture; 3 hrs. lab. Prerequisite: College Physics I/ Lab (PHY251). Pre/co-requisite: Grade of C or better in Calculus II (MAT282).

01 LEC W 11:30 a.m.-12:45 p.m. B329 G Field
LAB M 8:30 a.m.-11:00 a.m. B329 G Field
T1 LEC T 6:00 p.m.-8:45 p.m. B329 G Field
LAB TH 6:00 p.m.-8:30 p.m. B329 G Field

SOCILOGY
SOC-101 Principles of Sociology 3 credits
This course covers an introduction to the concepts and theories of society and social institutions. The course meets General Education “Individual and Society” Requirement Area 2. Prerequisite: Academic Reading III (ESOL098) or Reading Skills II (RDG095) or co-enrollment in integrated courses or exemption from reading requirement by placement testing.

01 LEC M 7:00 a.m.-8:15 a.m. B108 T Tassinari
02 LEC M 8:00 a.m.-9:15 a.m. B108 J Scott
03 LEC M 8:00 a.m.-9:15 a.m. B133 J Reeves
04 LEC M 8:30 a.m.-9:45 a.m. D217 S Eves
05 LEC F 6:30 a.m.-11:15 a.m. B134 TBA
06 LEC M 10:00 a.m.-11:15 a.m. D208 J Reeves
07 LEC T 10:00 a.m.-11:15 a.m. D208 J Reeves
08 LEC T 10:00 a.m.-11:15 a.m. B130 T Scott
09C LEC T 10:00 a.m.-11:15 a.m. TBA L Sarpay
10 LEC M 11:30 a.m.-12:45 p.m. B223 S Scott
11 LEC M 11:30 a.m.-12:45 p.m. D208 Vissing
12 LEC M 11:30 a.m.-12:45 p.m. B126 L Sarpay
13 LEC T 11:30 a.m.-12:45 p.m. TBA L Sarpay
14C LEC T 11:30 a.m.-12:45 a.m. D215 A Bautista
14T LEC T 11:30 a.m.-12:45 a.m. TBA L Sarpay

SOC-109 Cultural Anthropology 3 credits
This course demonstrates the way that the basic concepts and techniques developed by cultural anthropologists help us understand various cultures and intercultural relations. Through ethnographic readings, films, student-led debates, and discussions on kinship, gender, ethnicity, religion, and social change in a variety of cultures. The course increases awareness of cultural dimensions of human experience and the diversity and flexibility of human culture. This course meets General Education “Individual and Society” Requirement Area 2. Prerequisite: Academic Reading III (ESOL098) or Reading Skills II (RDG095) or co-enrollment in integrated courses or exemption from reading requirement by placement testing.

01 LEC T 2:30 p.m.-5:10 p.m. B224 A Bautista
02 LEC T 3:30 p.m.-5:10 p.m. TBA A Bautista
WB WEB For username and password, go to
www.bhcc.mass.edu/mycourseaccess. 
A Bautista

SOC-110 Physical Anthropology 3 credits
This course introduces students to the field of physical anthropology, genetics, human evolution, and evolution of behavior. Module topics include the biological background of physical anthropology; man in the natural world; practical genetics; classification within the human species; homin sapiens; homer erectus; the Australopithecines; evolution leading to Homo sapiens: where do we go from here? This course is offered through the Center for Self-Directed Learning only.

1C SLF 1 hour per credit attendance is required GLS 3 credits
Class meets in the CS10 B15 H Amini

SOC-111 The Family 3 credits
This course examines psychological and sociological factors related to the dynamics of family life. The course covers the process of the growth and adjustment of each family member as the family structure changes. Students discuss the historical, contemporary, and future family. Prerequisite: one introductory Behavioral Science course.

WB WEB For username and password, go to
www.bhcc.mass.edu/mycourseaccess. J Schroyer

SOC-127 Race, Class, and Gender 3 credits
This course explores issues of color, gender, class, and caste as they exist in contemporary American society. The impact of “hate” groups on American life and culture will be explored through the concept of “difference” and the ideas of superiority and inferiority. Topics to be discussed include racism, sexism, multiculturalisms and Eurocentrism. Prerequisite: Principles of Sociology (SOC101) or Principles of Psychology (PSY101) or Cultural Anthropology (SOC109).

01 LEC T 8:30 a.m.-9:45 a.m. D217 TBA
LEC T 8:30 a.m.-9:45 a.m. TBA
1C LEC T 11:45 a.m.-1:30 p.m. E491 J Solomon

SOC-205 Urban Sociology 3 credits
This course covers the problems of social issues of contemporary urban life. It covers individuals' responses to cultural, racial, political, institutional,
eductional, economic, and other challenges of city life.
Prerequisite: Sociology of Homosexuality (SOC-225).

SURGICAL TECHNOLOGY

NHP-180 Medical Terminology 3 credits
This course provides instruction in the development of basic medical terminology. Competency in medical terminology promotes effective communication among members of the healthcare team.

SGT-105 Surgical Technology I 5 credits
This course covers an introduction to the profession of surgical technology. The course covers principles of aseptic technique, sterilization and disinfection, universal precautions, surgical equipment, and instrumentation in a coordinated class and simulated laboratory setting. An included seminar defines and develops a surgical conscience and professional demeanor.

THEATRE

THE-107 Acting I 3 credits
This course covers a total approach to the actor's art and stresses the use of body and voice. It includes improvisation, theater games, and sensory exercises with eventual involvement in scene study and character development. This course meets General Education "Humanities" Requirement Area 6.

THE-113 Voice and Movement 3 credits
This course frees the body and voice from habitual tensions and patterns and opens and expands the possibilities for vocal and physical expressiveness. Voice training focuses on the cultivation of a flexible and expressive voice and the development of interpretive skills. Movement focuses on body awareness, control, and flexibility for the stage.

VISUAL AND MEDIA ARTS

VMA-100 VMA Freshman Seminar 3 credits
This interdisciplinary course builds a connection to the aesthetic, historical and intellectual aspects of an artist community and creative work while helping students navigate through some of the logistical hurdles of the first year experience. Students participate in a variety of group activities, discussions and presentations with faculty and visiting artists. Field trips include local galleries/studios and museums. A journal/sketchbook is required. The course is required for all Visual and Media Arts majors. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT095).

VMA-105 Digital Imaging with Photoshop 3 credits
The Adobe Photoshop workshop introduces the technical basis of the digital image. Understanding the structure of this important application enables the student to systematically build confidence and skill in its use, and also applies its principles in related applications. This course surveys the breadth and depth of the Photoshop workspace and toolset through lecture presentations and lab exercises. An overview of the digital imaging workflow will be presented, with emphasis on image processing. Students must have basic computer literacy. Prerequisite: Writing Skills II (ENG095) and Foundations of Mathematics (MAT095).

VMA-106 Interactions to Mass Media 3 credits
This course covers an overview of the history and theory of mass media, including print, radio, television, the Internet, movies, advertising and public relations. The course covers general concepts of mass media, the development of media, and practical methods to analyze and understand the influence of the mass media on social, cultural, and political life, not only in the United States, but also around the globe. In addition, the course
looks at ways individuals themselves can influence the media. The course meets General Education World View Requirement Area 3. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT093).

01 LEC TH 10:00 a.m.-11:15 a.m.  E171  D Paschal
02 LEC M 10:00 a.m.-11:15 a.m.  E171  V Bisson

Electric Power Utility students only

01 LEC TH 11:30 a.m.-12:45 p.m.  E171  D Paschal

Power Management students only

01 LEC TH 6:00 p.m.-8:45 p.m.  E171  J Sullivan-Cozar

M1 LEC M 6:00 p.m.-8:45 p.m.  H148  TBA

Class meets at the new H Building

VMA-112 Art History - Prehistoric-Medieval 3 credits

The course is a broad multicultural survey of the art and architecture of Egypt, Rome, Greece, the Near East, and Far East, and Europe, from the Paleolithic Era through the Minoan Age. The course stresses the understanding of art through examining visual concepts such as composition, space, rhythm, symmetry, perspective, and subject matter, as well as its social, political, and cultural contexts. Students will experience and analyze works of art through lectures, written assignments, journal entries, identification and essay exams, presentations, group critiques, and visits to museums. The course meets General Education "Humanities" Requirement Area 6. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT093).

01 LEC TH 8:30 a.m.-9:45 a.m.  H147  D O'Malley

LEC must be taken with ENG110 to complete: Introduction to Art History

01 LEC M 11:30 a.m.-2:15 p.m.  D219  TBA

02 W/B WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.  K Currier

WEB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.  K Currier

VMA-113 Art History - Renaissance to Contemporary 3 credits

This course is a broad multicultural survey of art and architecture from the Early Renaissance through contemporary times. Major movements in both Western and non-Western traditions are covered. The course stresses the understanding of art through examining visual concepts such as composition, space, rhythm, symmetry, perspective, and subject matter, as well as its social, political, and cultural contexts. Students will experience and analyze works of art through lectures, written assignments, journal entries, identification and essay exams, presentations, group critiques, and visits to museums. The course meets General Education "Humanities" Requirement Area 6. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT093).

01 LEC M 8:30 a.m.-11:15 a.m.  D219  TBA

02 LEC M 11:30 a.m.-2:15 p.m.  D219  TBA

03 TWEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. Y Chen

VMA-122 Painting I 3 credits

This course introduces students in the painting medium of acrylic and/oil paint. The course places emphasis on drawing, composition, color, values, and paint quality. Students acquire basic skills in painting from observation. Class time includes one-on-one instruction and group critiques. The course meets General Education Humanities Requirement Area 6. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT093).

01 LEC T 10:00 a.m.-12:45 p.m.  D219  TBA

02 LEC W 1:00 p.m.-3:45 p.m.  D219  TBA

03 TH 10:00 a.m.-12:45 p.m.  D219  TBA

04 T 10:00 a.m.-12:45 p.m.  D219  TBA

T1 T 6:15 p.m.-9:00 p.m.  TBA

VMA-123 Water Color I 3 credits

An introduction to the medium of watercolor paint, this course demonstrates and explores basic techniques such as wet-on-dry, wet-on-wet, and washes. Students draw from observation and learn to manipulate value, tone, and color. Class time includes one-on-one instruction and group critiques. The course meets General Education Humanities Requirement Area 6. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT093).

01 LEC M 8:30 a.m.-11:15 a.m.  D219  TBA

02 LEC M 11:30 a.m.-2:15 p.m.  D219  TBA

03 TWEB For username and password, go to www.bhcc.mass.edu/mycourseaccess. Y Chen

VMA-124 Printmaking I 3 credits

An introduction to a variety of printmaking processes, this course includes woodcut, monotype, engraving, and dry point. The course encourages experimentation in a self-motivated workshop environment. Class time includes one-on-one instruction and group critiques. Some drawing experience is desirable, although not required. The course meets General Education Humanities Requirement Area 6. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT092).

01 LEC T F 10:00 a.m.-12:45 p.m.  A148  TBA

VMA-131 Digital Publishing w/InDesign 3 credits

This course introduces students to the fundamental knowledge required to operate Macintosh computers for use in digital publishing. Students become computer literate by learning the basic principles of digital publishing. Through an introduction to the word processing program Microsoft Word and the page layout program InDesign, students are directed in the production of documents that require the application of those principles. Students are also exposed to Adobe Illustrator and Adobe Photoshop as they are used in conjunction with InDesign. Students will develop skills in InDesign. Previous computer experience are encouraged to take Applications/Concepts (CIT110). Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT093).

01 LEC M 8:30 a.m.-11:45 a.m.  E171  E Kiermaier

WEB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess.  K Currier

VMA-134 Digital Photography w/InDesign 3 credits

Digital photography has made it technically possible to generate countless photographs at virtually no cost, yet the formal problems of picture-making remain. How is it possible to create photographs with power and significance? This course explores basic technical issues of the digital photography workflow joined with

WBL................. Online Late Start Courses
WBM ................. Mass Colleges online courses 70-79................. Chelsea Day 87........................Somerville 90-94................. Chelsea Evening Q1-Q4, R1-R4............ Mini Session Courses S1-S4................. Saturday SU-SU4.................Sunday CLIN..........................Clinical HYB ................. Hybrid LAB..........................Lab Practicum LEC.......................... Lecture

L/L ....................... Lab Practicum and Lecture SEM .................................. Seminar SLF...Students determine their own schedule WEB..............Web Based M ........................ Monday T ........................ Tuesday W ........................ Wednesday TH........................ Thursday F ........................ Friday S ........................ Saturday SU................. Sunday

Sustainability within Curriculum
a formal exploration of seeing photographically, using both shooting assignments and lab exercises. Examples from the photographic tradition will be examined. Adobe Photoshop is used to adjust and manipulate images for printing. Inkjet printers are used to create photographic quality output. Students must have a digital camera and basic computer literacy. This course fulfills General Education “Humanities” Requirement Area 6. Prerequisites: Writing Skills II (ENG095) and Foundations of Mathematics (MAT093).

01 LEC M,W 10:00 a.m.-11:15 a.m. E160 P Bartkiewicz
02 LEC M,W 11:30 a.m.-12:45 p.m. E160 P Bartkiewicz
03 LEC M,W 1:00 p.m.-2:15 p.m. E160 P Bartkiewicz
04 LEC M 2:30 p.m.-5:10 p.m. E160 G Duerr
05 LEC T,TH 10:00 a.m.-11:15 a.m. E160 M Diamond
06 LEC T,TH 11:30 a.m.-12:45 p.m. E160 M Diamond
M1 LEC M 6:15 p.m.-9:00 p.m. E160 G Duerr
S1 LEC T 9:00 a.m.-11:45 a.m. E160 P Dube
S2 LEC S 1:00 p.m.-3:45 p.m. E160 P Dube
T1 LEC T 6:15 p.m.-9:00 p.m. E160 M Sweeney
W1 LEC W 6:15 p.m.-9:00 p.m. E160 M Sweeney
WB WEB For username and password, go to www.bhcc.mass.edu/mycourseaccess S Philbrick

VMA-204 Drawing II 3 credits
A studio course designed to examine basic vocabulary and drawing skills and concepts in the study of the human form. Using a wide range of drawing media, students work primarily from anatomical drawings and observation of the nude model to gain proficiency with gesture strategies, contour drawing, sighting and measuring, light in relation to planar relationships, and tonal structure of composition. Students develop an understanding of abstraction in relation to figure/ground, scale, positive and negative space, proportion, volume in relationship to light, compositional issues and pictorial unity. There is an emphasis on writing and communication skills for mastery of basic vocabulary, and process of evaluation and critique. Prerequisite: Drawing I (VMA104).

01 LEC T 9:30 a.m.-12:45 p.m. D213 Y Chen

VMA-222 Painting II 3 credits
This course emphasizes developing students’ personal sense of aesthetics and increasing their awareness of the painting process. Students choose to work in either acrylic or oil paint while exploring color theory, composition, value, and paint application. Class time includes one-on-one instruction and group critiques. Prerequisite: Painting I (VMA122) or permission of instructor.

01 LEC W 8:30 a.m.-12:45 p.m. D219 TBA

VMA-231 Digital Illustration w/Illustrator 3 credits
This course explores the use of the computer as a design tool. Instruction emphasizes the mastery of fundamental computer functions and software operations. It prepares graphic design students in computer software and technology used in graphic design. Students explore the creative potential, solve design and layout problems, and exhibit an understanding of the professional requirements of document preparation and production. The course uses Adobe InDesign and Adobe Illustrator software. Prerequisite: Digital Publishing with InDesign (VMA131).

01 LEC W 10:00 a.m.-12:45 p.m. E167 TBA

VMA-232 Design Communication I 3 credits
This course explores the use of the computer as a design tool. Instruction emphasizes the mastery of fundamental computer functions and software operations. It prepares graphic design students in computer software and technology used in graphic design. Students explore the creative potential, solve design and layout problems, and exhibit an understanding of the professional requirements of document preparation and production. The course uses Adobe InDesign and Adobe Illustrator software. Prerequisite: Introduction to Desktop Publishing (VMA131).

01 LEC M 10:00 a.m.-12:45 p.m. E167 TBA

VMA-241 Advanced Video Production 3 credits
This course focuses on development of the skills and concepts necessary for digital video production. Students learn the advanced use of the HDV digital camcorder microphones, the field audio mixer and lightning techniques. The course uses images and materials acquired in the course in its co-requisite class, Video Post Production (VMA242), in order to complete a final project counting for both courses. Topics covered include fiction and non-fiction production techniques, including research, script development and interviewing. Discussion of theoretical issues in applied media aesthetics will be an integral and essential part of the class. Prerequisite: Elements of Video Production (VMA141) or permission of instructor. Co-requisite: Video Post Production (VMA242).

01 LEC M 10:00 a.m.-12:45 p.m. E167 TBA

VMA-242 Video Post-Production 3 credits
This course delivers an intensive workshop in digital nonlinear post-production software, theory and techniques. Students work in-depth with Final Cut Pro and will also explore other aspects of the Final Cut Studio package, including Live Type, Soundworks Pro, and Motion. The course also provides a solid foundation in the theory and aesthetics of film and video editing by examining the history and development of the editing process. The course uses images and materials acquired in its co-requisite course, Advanced Video Production (VMA241) in order to complete a Final Project counting for both courses. Prerequisite: Elements of Video Production (VMA141) or permission of instructor. Co-requisite: Advanced Video Production (VMA241).

01 LEC W 10:00 a.m.-12:45 p.m. E169 D Pastel

VMA-244 Media Project Planning 3 credits
This course is an intensive survey of all aspects of pre-production planning for video and multimedia productions. Special emphasis is given to the process of writing for the media, including idea development, preparation of proposals, treatments, storyboards and scripts that clearly define message, intent and audience. A variety of storytelling methods and approaches to the creative process will be explored, including the dramatic, educational, corporate and documentary formats. In addition, the fundamentals of production management will be presented, including script breakdown, production scheduling, resource planning, and budgeting. Students will be expected to utilize skills gained in this class in subsequent media production classes. Prerequisite: Elements of Video Production (VMA141).

01 LEC T,TH 8:30 a.m.-9:45 a.m. H155 Y Chen

VMA-504 Drawing III 3 credits
This course is a continuation of the study of the human figure and objects from an observational perspective. Students will continue to explore the relationship between diverse methods of drawing, and its emphasis on observation, pictorial space, form and light. Prerequisites: Drawing II (VMA204), or permission of instructor.

01 LEC TH 8:30 a.m.-10:45 a.m. D213 Y Chen

VMA-505 Variable Media Studio 3 credits
This studio course explores the integration of concept and technical approach using a variety of video, audio, web delivery, and other digital media. Centered on student projects, concepts transcending traditional categories are developed which are then realized in different forms. The historical and contemporary context of media delivery is emphasized through an holistic approach to technique. Prerequisite: Elements of Video Production (VMA131) or permission of instructor/department.

01 LEC M 2:30 p.m.-5:10 p.m. E171 E Kiemseir
Massachusetts Community College
In-State Tuition Eligibility Form

Bunker Hill Community College requires all students claiming in-state tuition eligibility to submit documentation. An eligible person shall mean (A) a U.S. Citizen, lawful immigrant, permanent resident, or holder of another legal immigration status, (B) who has satisfied the durational residency requirement and can demonstrate his/her intent to remain in Massachusetts.

PROVIDE ONE DOCUMENT FROM LIST (A)

- U.S. Citizen (student must submit birth certificate or U.S. passport)
- Resident Alien (student must submit copy of resident alien card)
- U.S. permanent resident with I-151, I-551, and I-551C forms (students must submit INS documentation)
- I-94 from the U.S. Immigration and Naturalization Service with one of the following designations stamped on the card: refugee; Cuban-Haitian entrant status pending; asylum granted; indefinite parole; or humanitarian parole (student must submit passport or INS documentation).
- Non-citizen who is in (or who is eligible to apply and who has applied for) refugee/asylum status

PROVIDE TWO DOCUMENTS FROM LIST (B)

Please present the two documents you selected from the other side of this form.

The documents must be dated at least 6 months prior to the first day of classes for the semester/session you are enrolling, but not more than one year prior to that date.

Documentation must be provided to the Admissions & Registration Desk at the time of registration or upon submission of your admission application, whichever comes first. For questions concerning residency requirements, please contact the Office of Admissions at 617-228-3398.
In-State Tuition Eligibility Form

MSNBCATTS COMMUNITY COLLEGES – IN-STATE TUITION ELIGIBILITY FORM

Last Name ____________________________________________First Name __________________________MI ______
Street Address ________________________________________City ________________State____Zip Code ________
Student I.D. Number __________________________________ Date of Birth ____________Phone ________________

Are you a U.S. Citizen? ❑ Yes ❑ No    If not, please complete the following:
Are you a Permanent Resident?  ❑ Yes ❑ No   (If yes, list alien registration number: ______________________________)
If you are not a U.S. Citizen or Permanent Resident, please state your Visa or immigration status in detail:
________________________________________________________________________________________________________

PLEASE CHECK THE IN-STATE OR REDUCED TUITION ELIGIBILITY CATEGORY THAT APPLIES TO YOU:
❑ I have been a Massachusetts resident for six (6) continuous months and intend to remain here.
❑ I have been a Massachusetts resident for LESS THAN six (6) continuous months.

As proof of my intent to remain in Massachusetts, I possess at least 2 of the following documents, which I shall present to the institution upon request. These documents* must be dated between six (6) months and one (1) year of the start date of the academic semester for which I seek to enroll (except for my high school diploma, which may only be used if I graduated within one (1) year of the start date of the academic semester for which I am enrolling †). The institution reserves the right to make any additional inquiries regarding the applicant's status and to require submission of any additional documentation it deems necessary.

Please check the documents you possess as proof of your intent to remain in Massachusetts and bring them with you to BHCC.
❑ Valid Drivers License  ❑ Utility bills*  ❑ Employment pay stub*
❑ Valid Car registration  ❑ Voter registration*  ❑ State/Federal tax returns*
❑ Mass. High School Diploma †  ❑ Signed lease or rent receipt*  ❑ Military home of record*
❑ Record of parents' residency for unemancipated person*  ❑ Other_________________

❑ I am an eligible participant in the New England Board of Higher Education's Regional Student Program.
❑ I am a member of the armed forces (or spouse or unemancipated child) on active duty in Massachusetts.

CERTIFICATION OF INFORMATION

I certify that this information is true and accurate. I understand that any misrepresentation, omission or incorrect information shall be cause for disciplinary action up to dismissal, with no right of appeal or to a tuition refund.

Applicant Signature: ___________________________________________ Date ______________________
Parent/Guardian Signature: ___________________________________________ Date ______________________
(Applicant is Under 18 Years Old)

FOR OFFICIAL USE ONLY - DO NOT WRITE IN THIS BOX

I have reviewed the above information in order to determine this individual's eligibility to receive the in-state tuition rate. Based on my review I have determined that this individual:
❑ IS eligible for the in-state tuition rate. ❑ IS NOT eligible for the in-state tuition rate.
❑ I am unable to make a determination at this time.

The following additional information has been requested from the applicant:
________________________________________________________________________________________________________

Authorized College Personnel: ___________________________________________ Date:___________________
Final exams for day and evening classes will begin on **MONDAY, DECEMBER 16** and end on **THURSDAY, DECEMBER 19**. Final exams for Weekend College will begin on **FRIDAY EVENING, DECEMBER 20** and end on **SUNDAY, DECEMBER 22**. Please note that Weekend College consists of Friday evening classes and Saturday and Sunday classes. For the convenience of students, exams are scheduled as close as possible to the original meeting time of the course in the same classroom. This includes the Chelsea Campus.

To determine what day and time your exam will be given, review the A-O time blocks to identify the block in which your class is currently held. For example, if your class meets Mondays and Wednesdays from 8:30 a.m.-9:45 a.m. your exam falls under the C block. Check the C block on the grid for the day and time of your exam. The C block exam is on Wednesday, December 18 from 8:00 a.m.-10:00 a.m.

There are many courses that meet at times other than those listed on the grid. If your time is not listed on the grid, please check with your instructor to determine the date and time of your final exam.

If you are enrolled in a MAT093, 097, or 194, RDG090 or RDG095, or ENG095 or ENG111, you are scheduled to take a department exam. MAT093 and 097 exams will be held on **MONDAY, DECEMBER 16** from 12:00 p.m.-2:00 p.m. and MAT099 and 194 exams will be held on **THURSDAY, DECEMBER 19** from 1:00 p.m.-3:00 p.m. All English and reading exams will be held on **TUESDAY, DECEMBER 17** from 12:00 p.m.-2:00 p.m.

Monday through Thursday evening class final exams are scheduled on their regularly scheduled evenings during final exam week. Weekend final exams are scheduled at their regularly scheduled time **BEGINNING FRIDAY, DECEMBER 20 AND ENDING SUNDAY, DECEMBER 22**.

**SCHOOL CLOSURE**

**IF THE SCHOOL IS CLOSED DURING ONE OF THE MAKE-UP EXAM DAYS OR TIMES, STUDENTS WILL BE NOTIFIED THROUGH BHCC EMAIL** when their make-up exam will be held. **ALL STUDENTS ARE REQUIRED TO REGULARLY LOG ON TO THEIR BHCC EMAIL ACCOUNT.** If you have questions concerning your exam schedule, please visit the Academic Records Office located on the second floor, main lobby, Room B204.

<table>
<thead>
<tr>
<th>MONDAY DECEMBER 16</th>
<th>A</th>
<th>7 a.m.-9 a.m.</th>
<th>E</th>
<th>9:30 a.m.-11:30 a.m.</th>
<th>DEPT EXAMS</th>
<th>12 noon-2 p.m.</th>
<th>MAT093/097</th>
<th>J</th>
<th>2:30 p.m.-4:30 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUESDAY DECEMBER 17</td>
<td>B</td>
<td>7 a.m.-9 a.m.</td>
<td>F</td>
<td>9:30 a.m.-11:30 a.m.</td>
<td>DEPT EXAMS</td>
<td>12 noon-2 p.m.</td>
<td>ENG095/111</td>
<td>K</td>
<td>2:30 p.m.-4:30 p.m.</td>
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<tr>
<td>WEDNESDAY DECEMBER 18</td>
<td>C</td>
<td>8 a.m.-10 a.m.</td>
<td>G</td>
<td>10:30 a.m.-12:30 p.m.</td>
<td>I</td>
<td>1 p.m.-3 p.m.</td>
<td>L</td>
<td>3:30 p.m.-5:30 p.m.</td>
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<tr>
<td>THURSDAY DECEMBER 19</td>
<td>D</td>
<td>8 a.m.-10 a.m.</td>
<td>H</td>
<td>10:30 a.m.-12:30 p.m.</td>
<td>DEPT EXAMS</td>
<td>1 p.m.-3 p.m.</td>
<td>MAT099/194</td>
<td>M</td>
<td>3:30 p.m.-5:30 p.m.</td>
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<tr>
<td>FRIDAY DECEMBER 20</td>
<td>N</td>
<td>8 a.m.-10 a.m.</td>
<td>O</td>
<td>10:30 a.m.-12:30 p.m.</td>
<td>MAKE-UP EXAMS</td>
<td>1 p.m.-3 p.m.</td>
<td>O</td>
<td>3:30 p.m.-5:30 p.m.</td>
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<tr>
<td>Day</td>
<td>7:00-8:15</td>
<td>8:30-9:45</td>
<td>10:00-11:15</td>
<td>11:50-12:45</td>
<td>1:00-2:15</td>
<td>2:30-3:45</td>
<td>3:55-5:10</td>
<td>Early Evening</td>
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<td>Tuesday</td>
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<td>ACTIVITY PERIOD</td>
<td>K</td>
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<tr>
<td>Wednesday</td>
<td>A</td>
<td>C</td>
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<td>Thursday</td>
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<td>D</td>
<td>F</td>
<td>H</td>
<td>ACTIVITY PERIOD</td>
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<td>Friday</td>
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<tr>
<td>Saturday</td>
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<td>A.M. Classes: 9:00-11:45 a.m.</td>
<td>P.M. Classes: 12:00 p.m. on</td>
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<tr>
<td>Sunday</td>
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<td></td>
<td>A.M. Classes: 9:00-11:45 a.m.</td>
<td>P.M. Classes: 12:00 p.m. on</td>
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</tbody>
</table>
BHCC fax-in
Registration Form for Credit and Non-Credit courses

Students taking credit courses may use this form to register if:

- they are registering for one or two classes (8 credit maximum);
- they are willing to accept responsibility for their own course selection on the basis of published program requirements for credit courses under their curriculum year;
- they either have taken the College Placement Test (CPTs) or have completed an English or mathematics course at an accredited institution (if they are signing up for a course in these subjects);
- they fax a copy of their transcript from another institution if they are taking a course which requires a prerequisite;
- they are paying in full at the time of registration;
- they are providing or have provided a completed Application for Massachusetts In-State Tuition form and all supporting documentation to receive the in-state tuition rate;

Register by Fax:
Fax the form and related documents with your credit card information to: 617-228-3481.

The deadline to register for Fall 2013 credit courses by fax is August 15, 2013.

Students may register for non-credit courses throughout the semester.
Register Online (for Non-Credit courses only) http://www.bhcc.mass.edu/CE

Course Selection (sample below in color)

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>COURSE NUMBER</th>
<th>SECTION</th>
<th>COURSE TITLE</th>
<th>CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG</td>
<td>111</td>
<td>M1</td>
<td>College Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Note to Student: When you sign this registration form, you are academically and financially responsible for the courses for which you register including required prerequisites and the requirements for the program in which you are enrolled.

Social Security Number: ___________________________ Date of Birth: ____________ Gender: M F

Student’s Last Name: ____________________________________________

Student’s First Name: __________________________________________

Mailing Address: _______________________________________________

City: __________________________________________________________

State: ____ Zip: ________

Area Code & Home Phone: ________________________ Area Code & Work Phone: _______________________

Residency: □ Massachusetts Resident □ Out-of-State Resident

Citizenship: □ U.S. Citizen □ Resident Alien # _________________ □ Non-Resident Alien (needs I20)

Ethnicity (Choose One): □ Hispanic/Latino □ Non-Hispanic/Latino

Race (Please Select One or More of the Following):
- AI - American Indian/Alaskan Native
- AD - Black/African American
- AS - Asian
- NP - Native Hawaiian/Pacific Islander
- WH - White
- CV - Cape Verdean

Cost of Attendance
For the cost of credit courses, refer to the Tuition and Fee Schedule listed in this publication. To calculate the cost of credit courses: multiply the tuition and fees by the total number of credits you are taking.

Non-Credit Courses: Fill in the TOTAL COST line.

Tuition & Fees* ______________________ x Credits ______________________ = TOTAL COST ______________________

* For Health Courses, add an additional $35 per credit.

Cost of attendence

Note to Student: When you sign this registration form, you are academically and financially responsible for the courses for which you register including required prerequisites and the requirements for the program in which you are enrolled.

Signature: ______________________ Date: __________

Method of Payment

- Check
- Money Order
- VISA
- MasterCard
- DISCOVER
- American Express

Note: For credit courses, if you are claiming entitlement to in-state tuition privileges, you must complete an application for Massachusetts In-State Tuition Rates form and meet the requirements.

Name: ______________________

Account Number: _____________

Expiration Date: ____________

CVS Security Code: *

Signature: ______________________ Date: __________

*CVS Security Code:

- Visa: MasterCard: Discover: Security code is a 3-digit code on the back of your card (last 3 digits of the number to the right of the signature stripe).
- American Express: Security code is the 4-digit code appearing above your credit card number on the front of your card.
Bunker Hill Community College is an affirmative action/equal opportunity institution and does not discriminate on basis of race, creed, religion, color, sex, sexual orientation, gender identity, age, disability, genetic information, maternity leave, and national origin in its education programs or employment pursuant to Massachusetts General Laws, Chapter 151B and 151C, Title VI, Civil Rights Act of 1964; Title IX, Education Amendments of 1972; Section 504, Rehabilitation Act of 1973; Americans with Disabilities Act; and regulations promulgated thereunder, 34 C.F.R. Part 100 (Title VI), Part 106 (Title IX) and Part 104 (Section 504). All inquiries concerning application of the above should be directed to Thomas L. Saltonstall, Director of Diversity and Inclusion, Affirmative Action Officer, and Coordinator of Title IX and Section 504, at 617-228-3311, 250 New Rutherford Avenue, Room E236F, Boston, MA 02129.

When a student or employee believes s/he has been discriminated against based on race, creed, religion, color, national origin, age, sex, gender identity, genetic information, maternity leave, sexual orientation or disability status, the College's Affirmative Action Plan provides an informal complaint process and a formal grievance process which may be accessed by any member of the College community. For more information, or for a copy of the plan and/or grievance procedure, contact Thomas L. Saltonstall, the College's Affirmative Action Officer at 617-228-3311.